

Showtime

Innovation at the heart of VICTAM Asia 2018

VICTAM Asia 2018 will be organised from March 27 – 29, 2018 at BITEC in Bangkok, Thailand. As the doors open on March 27th visitors from all over Asia/Pacific will find exhibition stands full of products and services directly relating to their industry.

Firmly established as the event dedicated to the animal feed processing, grain processing, ingredients & additives, aqua feed and pet food industries within Asia, these senior industry executives will also see many new products and services that are being launched at the show.

The VICTAM exhibition displays the latest technology, ingredients and additives available to manufacture and process feed for animals, pets and aquatics, together with a wide range of necessary ancillary equipment – silos, conveyors, bagging, elevators, etc. The exhibitions also showpiece the newest equipment for grain, rice and flour milling.

Co-located with VICTAM Asia are a series of high quality industry conferences: Petfood Forum Asia 2018, Aquafeed Horizons Asia 2018, FIAAP Animal Nutrition Conference Asia 2018, GRAPAS and Global Milling Conference Asia 2018, Proagrica Feed Efficiency Seminar 2018, World Feed Industry Perspectives Conference and a

GMP+ seminar. Additionally, FAMI-QS and the 11th Asian Pacific Poultry Conference will be held at off-site. Exhibitors will also be given the opportunity to present technical seminars. More information about the 2018 conferences and technical seminars can be found on our website www.victam-asia.com. *continued on page 3* ▶

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► continued from front page

New features at VICTAM Asia 2018 include a **business matchmaking program** and the **VICTAM newsroom**.

The matchmaking program focusses on high quality meetings and will consist of a combination of an online tool, which allows exhibitors and visitors to plan their appointments very efficiently and a personal approach by our matchmaking consultants. They will help exhibitors and visitors get the most out of the program and will support in finding their match.

The other new feature is the VICTAM newsroom. The VICTAM newsroom will report semi-live from the show floor to allow those that can't attend to still be part of the action. Furthermore, speakers, visitors and exhibitors will be interviewed about their expertise and the news crew will make running reports about the event through Victam's social media channels.

Supporters

We are proud to have the support of the following organisations:

- The Feedstuff Users Promotion Association
- Thai Feed Mill Association
- The Animal Husbandry Association of Thailand
- Animal Health Products Association
- Department of Livestock Development
- Department of Fisheries
- The Thai Chamber of Commerce
- Ministry of Industry
- Thailand Convention and Exhibition Bureau



Why attend?

- **Specific conferences with key topics in line with your interests**
- **Build your network**
- **Business matchmaking opportunities**
- **Access to the industry exhibition**

Who should visit the event?

If you are a:

- CEO • Director • Mill owner
- Mill manager • Purchaser
- Nutritionist • Formulator
- Veterinarian • Processor

From:

- Animal feed mill • Aquafeed mill
- Dry petfood manufacturer
- Hatchery • Fish Farm • Integrator
- Large livestock farm • Rice mill
- Flour mill • Grain processor
- Grain storage facility
- Port authority • Food processor

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<https://victamasias.com/registration>



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Conference timetable **at-a-glance**

Tuesday 27th March 2018

Rooms 211/212

- 08:30 – 09:00 **Registration and coffee**
- 09:00 – 10:30 **Aquafeed Horizons Asia 2018**
- 10:30 – 11:00 **Coffee break**
- 11:00 – 12:30 **Aquafeed Horizons Asia 2018**
- 12:30 – 13:30 **Lunch break**
- 13:30 – 15:00 **Aquafeed Horizons Asia 2018**
- 15:00 – 15:30 **Coffee break**
- 15:30 – 17:05 **Aquafeed Horizons Asia 2018**

Room 213

- 09:30 – 10:00 **Registration and coffee**
- 10:00 – 12:00 **GRAPAS Asia 2018**
Session A: Milling Materials
- 12:00 – 13:00 **Lunch break**
- 13:00 – 15:00 **GRAPAS Asia 2018**
Session B: Rice Milling – Processing & Handling
- 15:00 – 15:30 **Coffee break**
- 15:30 – 17:30 **GRAPAS Asia 2018**
Session C: Milling Innovation Technology & Development

Rooms 214/215

- 08:30 – 09:00 **Registration and coffee**
- 09:00 – 10:30 **FIAAP Animal Nutrition Conference Asia 2018**
- 10:30 – 11:00 **Coffee break**
- 11:00 – 12:30 **FIAAP Animal Nutrition Conference Asia 2018**
- 12:30 – 13:30 **Lunch break**
- 13:30 – 15:00 **FIAAP Animal Nutrition Conference Asia 2018**
- 15:00 – 15:30 **Coffee break**
- 15:30 – 17:00 **FIAAP Animal Nutrition Conference Asia 2018**

Rooms 220/221

- 09:00 – 17:00 **Technical seminars**
Sessions of 30 minutes

Off-site **FAMI-QS Workshop**

Wednesday 28th March 2018

Rooms 211/212

- 08:30 – 09:00 **Registration and coffee**
- 09:00 – 10:30 **Proagrica Feed Efficiency Seminar**
- 10:30 – 11:00 **Coffee break**
- 11:00 – 12:30 **Proagrica Feed Efficiency Seminar**

Rooms 215/216/217

- 08:30 – 09:00 **Registration and coffee**
- 09:00 – 10:30 **Petfood Forum Asia 2018**
- 10:30 – 11:00 **Coffee break**
- 11:00 – 12:30 **Petfood Forum Asia 2018**
- 12:30 – 13:30 **Lunch break**
- 13:30 – 15:00 **Petfood Forum Asia 2018**
- 15:00 – 15:45 **Coffee break**
- 15:45 – 17:05 **Petfood Forum Asia 2018**

Rooms 218/219

- 08:30 – 09:00 **Registration and coffee**
- 09:00 – 10:30 **GMP+ Workshop**
Date/time to be determined
- 10:30 – 11:00 **Coffee break**
- 11:00 – 12:30 **GMP+ Workshop**
Date/time to be determined

Rooms 220/221

- 09:00 – 17:00 **Technical seminars**
Sessions of 30 minutes

Thursday 29th March 2018

Rooms 218/219

- 09:00 – 10:30 **World Feed Industry Perspectives Conference**
- 10:30 – 11:00 **Coffee break**
- 11:00 – 12:30 **World Feed Industry Perspectives Conference**
- 12:30 – 13:30 **Lunch break**
- 13:30 – 16:00 **World Feed Industry Perspectives Conference**

Rooms 220/221

- 09:00 – 16:00 **Technical seminars**
Sessions of 30 minutes

Timings may be subject to change



You can register for the exhibition and the conferences at <https://victamasias.com/registration>

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27 MARCH 2018

Aquafeed Horizons to focus on processing and formulation advances

The 11th Aquafeed Horizons Asia Conference, taking place on the first day of VICTAM Asia 2018, will bring together fish and shrimp feed processors, nutritionists, buyers and other industry professionals from throughout the region and beyond, to learn about the latest developments in aquafeed production.

Extrusion technology

Generally, fish feed, and increasingly shrimp feed, is produced by extrusion. This complex and nuanced technology is the focus of the processing talks at Aquafeed Horizons Asia 2018. Different types of feed are subject to different demands, for example, the feed's functionality on fish farms in terms of floatability or sinkability and the pellets' durability to assist mechanical handling without generating fines. Changing trends in raw materials also give new challenges to ensure that extrusion technologies and process control are developed to adapt accordingly, Thomas Ellegaard Mohr will tell delegates. According to Rob Strathman, factory performance is hindered by inflexible and unreliable hardware and software used in the extrusion systems of today. However, we can redesign the systems of the future, allowing significant improvements in factory performance to be realized. He will point out that he need to find efficiency in every aspect of production has driven other manufacturing industries to dramatically change course. The future of aquafeed production, he will say, will be digital.

Micro aquafeeds, in the of 0.5mm to 1.2mm dia. range, are required in the nursery phase of aquaculture. Their manufacture involves a series of meticulous steps to be followed, from the selection of high quality ingredients to specific grinding, sifting, mixing, precision twin screw extrusion and optimal drying process. Ramesh Gangatharan will explain how advanced computer controls, variable frequency drives, unique die designs and specially selected dryer screens all contribute to a smooth process at high production capacities. In-line moisture and density monitoring systems can be fixed at critical points to monitor the production

process so as to minimize production of out of spec product and to have a final product which is uniform in size, shape and density.

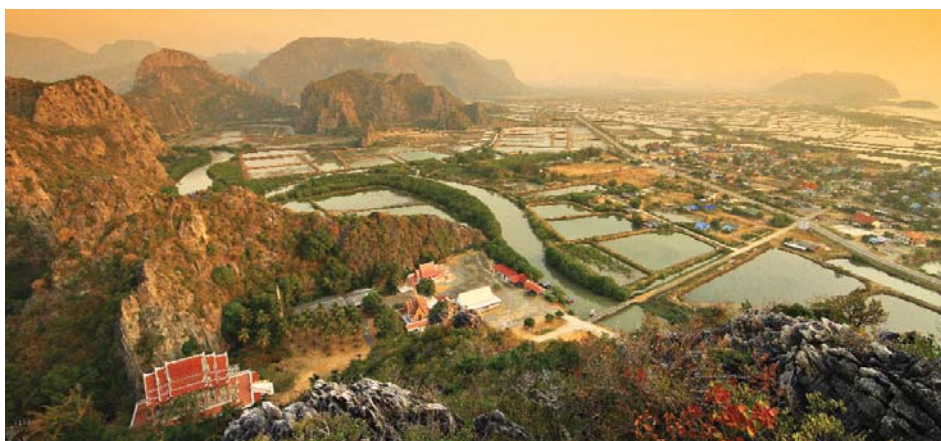
Recent research on the drying of extruded feed, particularly as related to technical product quality, have identified a connection between drying parameters and mechanical durability. The initial phase of drying is important to avoid early and spatially uneven glass transition following evaporative cooling. It follows that high air velocity, high temperature and high humidity are recommended. Obviously, extruded feed products start to flash off and dry, immediately when exiting the extruder. Hence, focus needs to be put on the design and operation of the different transport mechanisms, immediately upstream the dryer.

Validated model simulations visualize how many existing airlifts and conveyor belts could damage the pellets when transported to the dryer. Different process design options for new as well as existing production lines, will be presented by

Anders Fjeldbo Haubjerg, PhD., and compared in terms of energy efficiency, capital and operational expenditure, impact on mechanical durability, flexibility and hygienic design. The airlift using heated air is superior for durability of the product for existing production lines. Energy efficiency can optionally be optimized by invoking recirculation of the transport air. For new production facilities, process designs facilitating stacked dryer and extruder layout are superior.

Mycotoxins

No conference in Asia Pacific would be complete without addressing the threat of mycotoxins. There is an increasing trend towards plant ingredients in aquaculture feeds, and a commensurate rise in the risk of mycotoxin contamination. These toxins are produced as secondary metabolites by fungi and can have serious detrimental effects on fish and shrimp, ranging from mortalities in severe cases, to economic impacts such as reduced growth, reduced



Freshwater marshes at Khao Sam Roi Yot National Park, Prachuap Khiri Khan, Thailand, converted into shrimp farms. Photo: Kosin Sukhum via Wikimedia Commons

immunity, decreased feed efficiency. They can be caused by a single mycotoxin, or as is more common, by more mycotoxins working together synergistically, causing even more damage. Clinical signs of mycotoxicosis can easily be overlooked or misinterpreted, often leading to a wrong approach in dealing with the negative effects, Maarten Jay van Schoonhoven will say. Knowledge and awareness of the role of mycotoxins in aquaculture feed production is necessary, just as adequate strategies with a wide spectrum are necessary to deal with mycotoxin risk management.

Replacing fishmeal

New technologies are emerging to take on the growing opportunity to replace fishmeal in whole or in part. David Tze will argue that given the relative simplicity and efficiency of microbes, compared to reduction fishery species, plants, or insects, it makes sense to consider the merits of various microbial single cell protein technologies. These newer technologies include fermentation of bacteria, microalgae, yeast, and other fungi. The substrates may be purchased or received as waste streams. Those inputs might be solid, liquid, or even gas. But there are questions: What challenges will these new technologies face as they break from the lab and race to scale up to commercialization? What advantages does each have? Can any be economically produced? If so, what global scale are they likely to achieve? What might be the effect on the feed industry and players within it?

Insects are a natural source of nutrients for many fish species and can be produced sustainably. The EU has approved the use of processed insect proteins in aquaculture since 1 July 2017 as it is convinced this new feed ingredient can be produced in a safe manner and offer the quality needed for robust performance and health of the fish. Tarique Arsiwalla will focus on the use of insect proteins in diets for shrimp, Atlantic salmon and trout. Trial results will be shown as well as first commercial use of the products in Europe. The opportunities for the Asian market include the use of not only insect proteins, but also insect lipids in diets for young animals and challenged species. The potential for antibiotics reduction will also be touched upon.

Functional feed

The optimal nutrient profile of a shrimp feed depends on many factors, including the culture density, environmental conditions (temperature, salinity, oxygen, etc.), productivity of the pond water, the stability of the feed, feeding method, frequency, etc. These factors often differ depending on the season, region, farm or even pond, which makes the selection of the ideal feed rather

a complex and often unstable decision for the farmer. As a result, research in optimizing feed formulations under practical conditions continues to be a major objective for feed producers. Also, we can expect a wide variety in nutritional specifications among commercial shrimp feeds as composition may depend on the target market.

Increasing cost and fluctuating availability of raw materials in combination with an increasingly competitive market is demanding a creative mind from the shrimp feed formulator. The nutritional strategy is key to maintaining or gaining market share. Aside from that, diseases like white spot, vibriosis and white gut/faeces are an emerging risk during the production cycle of shrimp in India and require good nutritional support to the animal. Alexander van Halteren will present a study that investigated the different nutritional strategies in commercial shrimp feeds in India during 2016, when the number of shrimp feed suppliers increased sharply. Feed samples of 8 major brands were collected in the market and analyzed for proximate composition as well as a number of essential nutrients (amino acids, phospholipids, cholesterol, n-3 highly unsaturated fatty acids). Some of the nutrient levels detected during the survey, revealed the potential for functional feed additives to optimize nutrient utilization in shrimp feeds in India.

Beneficial bacteria, probiotics, are becoming increasingly popular in aquaculture. Amongst other benefits, probiotics can boost immunity, improve disease resistance, reduce feed conversion ratio, improve growth performance and survival and improve water quality. The benefit obtained is largely dependent on the probiotic formulation. Different probiotic strains have different modes of action; thus, they can bring different benefits to the host. For example, *Bacillus* spp. are capable of producing enzymes contributing to improved digestibility and feed conversion, whereas lactic acid bacteria (LAB) have functions in intestinal colonization and immunity. However, since probiotics are 'live' microbial components, they are sensitive to heat and pressure, which makes their inclusion in aqua feeds difficult, regardless of whether pelleting or extrusion technologies are used. Generally, post pelleting application (PPA) is necessary. Benedict Standen, PhD, will tell delegates how, using PPA, a novel application for

probiotic usage in fish and shrimp feeds has been developed that guarantees high probiotic viability without compromising the shelf life of the compound feed. This presentation will discuss the benefits of in feed probiotics and summarize results from recent trials, including probiotic application at the feed mill.

Applying innovative solutions such as immunomodulation through nutrition and the use of bioactive peptides as a functional, high-quality source of hydrolyzed protein can contribute to achieving health benefits in marine species. The beneficial effects of dietary nucleotides of yeast origin and bioactive peptides from intestinal mucosa have already been demonstrated in several studies in shrimp, salmon, tilapia, meager and sea bream among other species. Nonetheless, further research studies are still warranted. Francisco González will discuss scientific studies currently focused in evaluating the effects of bioactive peptides on growth, nutrient utilization, digestibility, intestinal health and meat quality of rainbow trout (*Oncorhynchus mykiss*) fed with high levels of vegetable protein, and the effects of dietary nucleotides in white shrimp (*Litopenaeus vannamei*) affected by Acute Hepatopancreatic Necrosis Disease (AHPND). Besides that, new product developments are also undergoing and should soon lead to specific formulations for other marine species of high commercial value, such as sea cucumber.

In recent years, there has been increasing attention to natural immunostimulants or organic acids or other bio-active compounds for antibiotic free production. Immunostimulants are naturally occurring compounds that modulate the immune system by increasing the host's resistance against diseases caused by pathogens under duress. Several products such as beta-glucans, chitins, mannoproteins, peptidoglycans, alginates, bacterial compounds (lipo-polysaccharides - LPS) and some phyto-genic compounds are being used as immunostimulants. Kabir Chowdhury, PhD will cover mainly the stress related factors in major farmed species and some relevant immunostimulatory solutions available today to the industry.

● Aquafeed Horizons Asia is Aquafeed.com's international technical conference. For full information, visit: <http://feedconferences.com>



About the author

Suzi Dominy is the founder and publisher of Aquafeed.com. She brings unique insight and depth of experience, gained over three decades in professional feed industry journalism and publishing. She can be contacted at editor@aquafeed.com

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27 MARCH 2018

GRAPAS Asia 2018: A conference for cereal, flour and rice millers

Following the success of the 'GRAPAS and Global Milling Conference 2017' held during the recent FVG Select gathering in Cologne, Germany, this highly-anticipated event will be back this year in Bangkok, Thailand, on March 27, the first day of VICTAM Asia which runs from March 27 - 29 at the Bangkok International Trade and Exhibition Centre (BITEC).

GRAPAS 2018 is a one-day conference for cereal, flour and rice millers. Focusing on milling technology, milling innovation and milling materials over three sessions, the conference aims to achieve synergy between milling sectors worldwide.

The conference will be held at the Bangkok International Trade and Exhibition Center, Bangkok, Thailand as part of VICTAM Asia in association with Milling and Grain Magazine, tickets are US\$100 – which includes a conference dinner.

Announced speakers

Two of the speakers currently include, Mr Archit Newaskar and Mr Yiannis Christodoulou.

Mr Newaskar will be presenting the advantages of Square-Silo Integrated Building Solutions at the GRAPAS Conference 2018 in Bangkok. SCE of which Mr Newaskar belongs is an over 30 year-old family owned business, it started its South East Asia office in Singapore five years ago, together with him as its first employee. He was entrusted with the responsibility of first, listening to the needs of customers in this space and then offering a suitable SCE solution.

Since then, SCE has established a promising footprint in the region and looks forward to building on this foundation. He spends most of his time exploring opportunities with industry players and offering solutions best suited to their needs in a way that the value-add is clear. At GRAPAS he hopes that you will share with him your expansion plans and SCE will help you to identify and develop the best suited solution for your mill building.

Mr Christodoulou is actively involved with Agentis Innovations, Progressus, and Athene Consulting, companies he founded in 2011. Throughout his career, Yiannis has



worked in various Asian countries in roles such as; technical support, sale representative, general manager and regional director for international companies operating within the animal health and nutrition market sector.

With the successes of the 2017 meeting, creating waves throughout the industry, readers should stay tuned for upcoming details and speaker programme for the event in Thailand. Aside from the beautiful setting – this is one conference you won't want to miss.

Conference Program

The GRAPAS conference is divided into

three sessions. The sessions will cover:

- **Session A: Milling Materials**
- **Session B: Global Milling**
- **Session C: Milling Innovation – Technology & Development**

The conference will be in English with simultaneous translation into/from Thai. Morning and afternoon coffee and refreshments will be provided (but not lunch).

Organizers

This conference is organized by Perendale Publishers Limited – the publishers of the International Milling Directory and the long-standing Milling and Grain magazine.

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27 MARCH 2018

FIAAP Animal Nutrition Conference: Feed industry experts explore gut health, alternative proteins

2018 FIAAP Animal Nutrition Conference explores utilization of animal feed additives for AGP replacement, improved animal health and performance. By Jackie Roembke.

The 9th edition of the FIAAP Animal Nutrition Conference aims to address the most pressing issues facing today's nutritionists and animal feed producers. The one-day event, held on March 27 in Bangkok, Thailand, will circle around several key topics: monogastric gut health, antibiotic elimination strategies, animal feed additives and alternative ingredients.

Antibiotic elimination strategies

Throughout Asia, as in other parts of the world, livestock producers are looking to limit, reduce or eliminate antibiotics used for growth promotion. While farm management is a key element, nutrition and feed additives play an important role in maintaining animal health and performance. During FIAAP's antibiotic replacement strategy track, three presentations tackle this topic from different angles.

As formulations change, feed producers are faced with the challenge of navigating

feed processing with new feed additive products. "Reducing Antibiotics in Livestock Feed Through Feed Processing" will identify how proper manufacturing practices can deliver pathogen-free feed that is fortified with probiotics, prebiotics and other nutritional additives to promote gut health. Wenger Manufacturing UP/C technology manager Spencer Lawson will focus on the essential feed-processing steps for maximizing antibiotic-free feeds, animal health, pellet quality, feed conversion and palatability.

Eubiotic Nutrition combines modern nutritional principles with the use of non-antibiotic feed additives to create a status of Eubiosis, a well-balanced microflora in the gastrointestinal tract. Consultant and nutritionist André Meeusen's presentation, "Eubiotic Nutrition in Antibiotic-free Animal Production," explains the three key principles of the Eubiotic Nutrition concept. Meeusen will discuss how nutritionists can maximize nutrient utilization with multiple enzymes; improve fat digestion and nutrient absorption with lysolecithins; and how to obtain a healthy intestinal microflora using alpha-monoglycerides.

While there is already significant scientific data on the efficacy of bacteriophage therapy as a treatment of drug resistant bacterial infections, the use of bacteriophages to prevent illness in food animals requires more research to further reduce antibiotic usage on farms. Proteon Pharmaceuticals production director Arkadiusz Wojtasik's presentation, "Bacteriophage: Antibiotic-free Solution Against Salmonella in Poultry," will outline the practical challenges and issues raised by the development and testing of a bacteriophage-based solution to prevent and/or treat salmonellosis in poultry. He will

discuss development of a bacteriophage-based technology platform, which could be used to selectively eliminate most dangerous pathogenic bacterial strains in poultry, aquaculture and dairy, using a mixture of carefully selected and genotypically characterized phages that inhibit the growth of targeted bacterial serovars.

Monogastric gut health examined

Three sessions will address the application of feed additive solutions for improved gut health and intestinal development.

With the never-ending genetic quest for a bird that grows at the lowest possible feed conversion ratio, hyperphagic birds must always be able to digest and absorb high feed intake. Taking into account the diverse challenges that are common under field conditions, almost all birds raised will at some point encounter a moment that the physiologic capacities are surpassed by their hyperphagic nature, which causes microbiota disruptions and enteritis. In the past, the industry has focused on coping with these changes by using antimicrobial growth promoters (AGPs) and/or therapeutic antimicrobials to literally "close the gap," but today there is a huge pressure, at least in some areas, to limit or ban those AGP and/or antimicrobials. Vetworks founder and poultry consultant Dr. Maarten De Gussem will explore what is needed to achieve high performance in poultry production during his talk, "Poultry Gut Health in 2018: A Holistic View."

While it has become clear that several classes of feed additives have the potential to exert beneficial effects in terms of gut health and animal performance, many questions regarding their optimal use remain unexplored. Nutriad's business

FIAAP Exclusive!

2018 Nutrition & Feed Survey

For nearly a decade, WATT Global Media has reached out to its global feed and poultry audience to highlight the industry trends influencing animal nutrition and feed formulations.

Kicking off the FIAAP Conference, Feed Strategy editor Jackie Roembke will reveal the results of the 2018 edition of the Poultry Nutrition and Feed Survey and offer insight into the feeding shifts and challenges identified by survey respondents.

Speakers at the FIAAP Animal Nutrition Conference



Maarten De Gussem



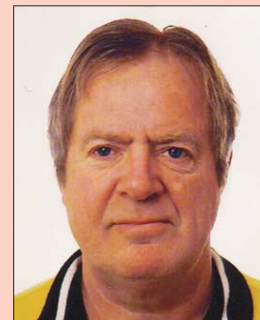
Kevin Herrick



Jan Dirk van der Klis



Spencer Lawson



Andre Meeusen



Christine Potthast



Daniel Ramirez



Jackie Roembke



Robert Thaler

development manager Daniel Ramirez will discuss recent developments in this area.

The use of plant-derived bioactive compounds, or phytochemicals, such as herbs and spices, essential oils, polyphenols, saponins and tannins, can provide a first line of defense against disease in an animal's gastrointestinal tract. Phytochemicals have been shown to reduce the pathogenicity of the intestinal microbiota; stimulate intestinal integrity and immunity; and limit oxidation and inflammation in the intestinal epithelial cells – therefore, they resemble the effects of antibiotic growth promoters (AGPs). Delacon's director of products and innovation Dr. Jan Dirk van der Klis's presentation, "How Phytochemicals Support Resilience Against Intestinal Infections," will examine phytochemical feed additives, their physiological functions and the modes of action that enables nutritionists to maximize their synergies to improve resilience against intestinal disorders, e.g. necrotic enteritis, dysbacteriosis and coccidiosis.

Ingredient solutions

Beyond additives, nutritionists are always looking for new research and formulation insights regarding the use of alternative proteins and feed ingredients.

As global fish stocks decrease, fishmeal will become difficult to source and cost prohibitive. As a result, the animal feed industry needs to find a fishmeal alternative

– excluding soybean meal because of the allergic reaction it causes in piglets. The session, "The Use of Pea Protein as a Functional Ingredient in Southeast Asian Piglet Feed," will explore a recent 35-day nursery trial at the Bangkok Animal Research Center Co. Ltd. (BARC) to test fishmeal alternatives using diet formulations and ingredients typically used in Southeast Asia. Dr. Bob Thaler, a swine professor at South Dakota State University, will highlight how pea protein in nursery diets allowed for the successful decrease of fishmeal inclusions.

In 2017, U.S. dried distillers grains with solubles (DDGS) imports to Southeast Asia grew by nearly 20 percent. As U.S. ethanol producers continue to develop new technologies or improve on current practices to increase ethanol yields, changes to ethanol production can have significant effects on the nutritional value of the DDGS. Accurately describing these characteristics and identifying how different ethanol production practices affect distillers nutrition can help nutritionists more accurately formulate diets when using DDGS. Distillers grains represents a cost-competitive, consistent, and nutrient-dense feedstuff which can be fed to all species of livestock. POET Nutrition's director of technical service Dr. Kevin Herrick's will explore, "Opportunities for DDGS in Southeast Asian Livestock Diets," in his presentation. He will provide an overview of

how DDGS differ in nutritional value as well as introduce formulation and management strategies to optimize DDGS inclusion in livestock diets for Southeast Asian producers.

Dietary fiber for piglets – especially at weaning – is essential to maintain the health of the gastrointestinal system and to promote GIT development. The beneficial effects of fibers in piglet nutrition are closely related to the functional properties of the fibers provided to the animal. Lignocellulose consisting of fermentable and non-fermentable insoluble fibers can serve as a functional and prebiotic ingredient to reduce diarrhea in piglets while improving performance. Dr. Christine Potthast, director of R&D with Agromed Austria, will explore how increasing amounts of insoluble and fermentable fibers from lignocellulose can have a positive effect on growth performance and promote GIT development in weaners during "Evaluating Fiber Sources for Piglet Gut Health Management."

FIAAP ANIMAL NUTRITION CONFERENCE 2018

● For more information about the 2018 FIAAP Animal Nutrition Conference and its speakers or to register visit:
www.FIAAP-Conferences.com

28 MARCH 2018

Petfood Forum Asia 2018: Innovation for dynamic pet food markets

Pet food industry experts will address the latest research and key topics for these fast-growing pet food markets.

Most pet food markets in Asia are growing by double digits annually, thanks to overall economic and income growth and the increasing numbers of pet owners feeding commercial, packaged pet food.

Professionals in these markets can learn information and tips for taking advantage of this growth during Petfood Forum Asia 2018.

Co-located again with VICTAM Asia 2018, Petfood Forum Asia will feature industry experts addressing how to build an online community to better market and sell pet food via ecommerce, plus providing information on novel and functional pet food ingredients, pet food processing innovations and savings, and other key topics.



Petfood Forum Asia 2018 will draw pet food professionals from throughout Asia and around the world.

● Petfood Forum Asia updates

Information on specific topics and speakers will be available at www.PetfoodForumEvents.com/Asia. Bookmark website to learn about early-bird registration savings, the agenda and more.

● Spotlight on Asia petfood markets South Korea:

www.PetfoodIndustry.com/articles/6638

China:

www.PetfoodIndustry.com/articles/5995

Philippines:

www.PetfoodIndustry.com/articles/6679

Conference Program

Following is the schedule and line-up of topics and speakers as of press time.

08:30 – 09:30 **Registration and check-in**

09:30 – 10:15 **Welcome and opening session:**

Recipe for success: Why the human-animal bond is the #1 ingredient in pet food

Sandy Robins, pet lifestyle expert and author

10:15 – 10:45 **Process solutions for current pet food trends**

Brian Streit, director of pet food and aquatic technology for Wenger Manufacturing Inc.

10:45 – 11:15 **Coffee break**

11:15 – 11:45 **Creating value with alternative protein sourcing while ensuring pets' enjoyment**

Aurélie de Ratuld, PhD, R&D cat platform manager for Diana Pet Food

11:45 – 12:15 **Health benefits of nutritional lipids beyond regulatory recommendations**

Shiguang Yu, PhD, global technical manager for DSM Nutritional Products

12:15 – 13:45 **Lunch**

13:45 – 14:15 **Building a social community to support a pet food ecommerce business**

Jin Huang, international business director for Navarch Petcare Inc.

14:15 – 14:45 **Using novel technologies to extract pet food nutrients from single-cell organisms**

Dejan Miladinovic, quality control manager at the Centre for Feed Technology, Norwegian University of Life Sciences

14:45 – 15:15 **Decreasing dryer variation to sustainably raise discharge moisture, increase capacity, reduce energy**

Douglas Beloskur, product manager of automation for Buhler Aeroglide

15:15 – 15:45 **Coffee break**

15:45 – 16:15 **An energy efficient process design solution for chilling, cooling and drying**

Anders Haubjerg, PhD, senior process engineer for Graintec A/S

16:15 – 16:45 **Beta-glucans effects in pets: benefits and possible applications**

Fernando Roberti, technical expert for pet food at Biorigin

28 MARCH 2018



Proagrica event to focus on feed and cost efficiency

Proagrica, a global division of Reed Business Information, and publisher of All About Feed, will host the Feed Efficiency Seminar on March 28th at VICTAM Asia 2018.

This event will focus on how to achieve an improved level of feed efficiency and how to produce feed in a cost efficient way. Speakers will delve deeper in new approaches and translate them to feed processing and formulation professionals.

We also look forward to meeting you at our booth at VICTAM Asia 2018 and at our events.

● For more information on how to become part of the conference and sponsor one of the presentations, contact us at salesint@proagrica.com

28 MARCH 2018

GMP+ International celebrates 25th anniversary with conference



In 2017 GMP+ International marked 25 years since a Good Manufacturing Practice (GMP) code for animal feed was created. The scheme evolved throughout the years to what GMP+ Feed Safety Assurance is today.

GMP+ International celebrated this anniversary with an exclusive conference "Feed safety: from control to responsible chain management" in November 2017. The future of food & feed and its impact on feed safety assurance were discussed. The program highlights consisted of several

industry heavyweight keynote-speakers and live discussions on stage.

GMP+ International is grateful and proud of what it has built in the past 25 years. GMP+ International is active in more than 80 countries, works together with 30 accepted certification bodies, has 32

partners in multiple countries, numerous partnerships and hope to welcome its 18,000th GMP+ certified company in 2018.

● Visit www.gmpplus.org for more information and highlights of the conference.

29 MARCH 2018

World Feed Industry Perspectives Conference to address several topics

The World Feed Industry Perspectives Conference will address several interesting topics. You will find the tentative program below:



● You can register for World Feed Industry Perspectives Conference online at:
www.victam-asia.com/registration

On our website you will also find information on the exhibition, conferences, hotels and visa invitations (under 'practical information').

Conference Program *Schedule is tentative to change*

08:30 – 09:00	Registration and check-in
09:00 – 09:45	Opening Ceremony Welcome Address by organizer and supporter Opening Speech by Director of the Department of Livestock Development
09:45 – 10:00	Walk Tour Exhibition
10:00 – 10:45	Introduction: Opportunities to do business with and from Thailand
10:45 – 11:30	Session 1: Buyers with Feed Industry in Thailand
11:30 – 12:15	Session 2: Expectation / Regulation about Feed Mill
12:15 – 13:00	Break and lunch
13:00 – 13:45	Case Study 1: Importance of Animal Feed (as part of total value chains) for Meat Export
13:45 – 14:30	Case Study 2: Brazil Situation!
14:30 – 14:45	Coffee break
14:45 – 15:30	Session 3: Is Thailand ready for Meat Import ?



Technical seminars

Exhibitors will have the opportunity to give presentations during a technical seminar. Technical seminars will be given on all three show days between 10:30 and 17:30 on the first two days and 10:30 – 15:30 on the last day. During these seminars you will be able to receive more information on specific products of one of our exhibitors.

Off-site events

In addition to the conference program at VICTAM Asia 2018, two off-site events are being organised:

25 – 27 March 2018

11th Asian Pacific Poultry Conference

Plaza Athénée Bangkok, a Royal Méridien Hotel.

27 March 2018

FAMI-QS Training

FAMI-QS will organize a one-day training event (please see details on page opposite).

FAMI-QS will organise a one-day training on the 27th March 2018, in Bangkok, Thailand

In 2016, FAMI-QS carried out the challenging task of fully revising its system, in order to stay abreast of the new developments in our fast evolving industry. With an experienced and active team of experts, as well as valuable partners in Brazil, China, Europe and the U.S., and thanks to their efforts, we were able to make this revision of the Code, having a robust final document that provides requirements for implementing measures necessary to ensure feed safety and quality of specialty feed ingredients.

The aim of the training is to provide the necessary information to the participants on the revised version and cover the following topics:

- FAMI-QS Certification Process;
- FAMI-QS Code;
- FAMI-QS Process Documents;
- FAMI-QS Regulatory Compliance.

Who should attend the 'FAMI-QS: Awareness in Feed Safety' training program?

- Anyone involved in the implementation of the FAMI-QS Certification System (Quality Managers, Consultants, etc.);
- Internal FAMI-QS Auditor;
- Producers, Suppliers and Traders of Specialty Feed Ingredients;
- Individuals who want to get further information on FAMI-QS Certification.

PRACTICAL INFORMATION

Venue LE MERIDIEN BANGKOK 40/5 Surawong Road, Bangrak, Bangkok 10500 – Thailand

Schedule 09:00 AM – 04:00 PM

Admission Fee 150 € per participant (the fee includes training material, coffee breaks and lunch)

Binding registration 16th February 2018

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ENTER YOUR PRODUCT OR SERVICE INTO THE GRAPAS AWARD FOR INNOVATION 2018

Milling and Grain magazine, the oldest milling magazine still in print – and first published in 1891 – is once again holding the GRAPAS Innovation Awards at Victam Asia 2018 from March 27-29, 2018 in Bangkok, Thailand.

The Award will be made to the most innovative and economically beneficial equipment, process or service in the milling of grains and cereals for food production at GRAPAS Asia 2018.

Entries can be made from one of three categories:

- A milling technology development (for flour, rice or other cereal)
- A production process or refinement that makes for more efficient and/or safe production of food
- A service (online or otherwise) that helps millers achieve their goals more efficiently



TAKING PLACE AS PART OF
VICTAM

To find out more and to enter, visit
bit.ly/GRAPASinnovation

GRAPAS and Global Milling award

The award will reward the most innovative and economically beneficial equipment, process or service in the milling of grains and cereals for food production at the event.

All award recipients will be published in an edition of Milling and Grain magazine alongside a review of the event itself. This will also be heavily publicised through the magazines social media, ensuring maximum publicity and awareness of the winner within the industry globally.

Nominations can be given from all sectors of food milling. A panel of independent industry experts will judge the entries. Their selection will account for 60 percent of the final vote. Delegates attending the one-day conference will be able to vote on the award, and their combined vote will account for the remaining 40 percent of the final vote. The award winners will be announced during VICTAM Asia 2018.

As the shortlist of nominations will be displayed at VICTAM Asia 2018 for final voting, please be prepared to supply a small display (details of size and dimensions to be forwarded following application submission) to be set up in the awards area at VICTAM. The winner will receive a certificate plus a GRAPAS trophy, runners up will receive a certificate of achievement.

The entries being accepted are – A milling technology development (for flour, rice or other cereals), a production process or refinement that makes for more efficient and/or safe production of food and a service (online or otherwise) that helps millers achieve their goals more efficiently.

This will be the fourth time the Award has been held in Asia (it has been held twice in Europe and three times in Bangkok), and will offer exhibitors an opportunity to put forward their grain and food milling-related products and services.

Previous winners are as follows:

2016 – VICTAM Asia

Winner: Denmark-based company Eye-Grain Aps for their iGrain and crop-protector. Crop-Protector by Eye-Grain Aps specialises in developing and



Past recipients of the award include 4B Braime Elevator Components.

manufacturing technology for the post-harvest sector. The company boasts a vast range of products that can monitor stored grain and perform aeration control in order to maintain and enhance the quality of stored commodities.

2015 – VICTAM Europe

Winner: Jointly shared by Alapala of Turkey and Bühler Group of Switzerland. The two roller mill entries stand out as being the most significant entries, but it was not possible to rate one over the other. Each offers different merits but both are worthy contenders as winners.

2014 – VICTAM Asia

Winner: 4B Braime Elevator Components won the GRAPAS Award with their Hazardmon product. *Recommended:* Morillon for their Super SHG Hydrascrew and Bühler for their Combistoner.

2012 – VICTAM Asia

Winner: The ProFoss Online Analysis has true in-line capability has very great potential, said the judging panel. It was the product that swept the pool of innovations coming from the grain milling industry and on display at the exhibition.

2011 – VICTAM Europe

Winner: CPM Europe/Amsterdam, The Netherlands. CPM Europe/Amsterdam won the inaugural 'Award for Milling' at the 2011 VICTAM exhibition in Köln Germany.

● To enter, please complete the application form found at;
<http://www.gfmt.co.uk/innovation>, and submit by email to tutit@perendale.co.uk.

Innovations at VICTAM Asia 2018

As Asia's showpiece event for the animal feed, dry petfood, aquafeed, grain processing, rice and flour milling, visitors can see several innovations during the exhibition. A few of the innovation that visitors can expect to see are:

- Avivagen's (Canada) OxC-beta™ LIVESTOCK. Introduced in July 2016, OxC-beta™ LIVESTOCK is an effective AGP alternative and improves the health of livestock and productivity.
- Schenck Process' (USA) new dust collector for sanitary applications and quick and easy cleanout, the hygienic Round Top Removal (HRT) 3-A Filter, in December 2017.
- Agentis Innovations Ltd. (Cyprus) introduced the M007 Dry Matter Compensation last year. This product optimizes the feed formula by real time formulated dry matter adjustment.
- Dol-Sensors' (Denmark) iDOL - SmartAdjust was introduced in 2017. SmartAdjust enables bulk configuration of sensors and is a simple and quick way to configure feed sensors.
- Hydro-Mix XT Moisture Sensor, the new moisture sensors for the grain and feed market was introduced by Hydronix Ltd (United Kingdom) in May 2017. The Hydro-Mix XT Moisture Sensor improves quality and reduce wasted material.
- Yont Phol Dee (Thailand) introduced the BIO-Q in July 2017. The BIO-Q is a Radio Frequency Insects Disinfector which kills insects 100% of all stages in its cycle by RF
- Yingtan Wing Biotechnology Co., Ltd. (China) introduced their pet treat palatability enhancer in May 2017. Unique about this product is that it uses vegetarian ingredients only.
- The Aerodynamic separator ADS by the Sigur Group (China) was introduced in 2017 and is a separation technology based on biological value. Biological sorting brings harvest increase up to 40%.
- Yemtar's (Turkey) Gear Driven Pellet Press was introduced in 2017. This pellet press, with a high efficient motor and gear driven technology, gives 96% efficiency, lower energy consumption, and higher production.

Two new features for VICTAM Asia

VICTAM Asia 2018 will see two new features introduced: a business matchmaking program and the VICTAM News Room.



The business matchmaking program (above) and News Room (below) were very popular features at FVG Select 2017.

Matchmaking at VICTAM Asia 2018

Meeting the right companies and people and having relevant meetings is your number one priority during an event.

Successfully introduced during FVG Select, Victam International BV will implement the business matchmaking program at VICTAM Asia 2018 from 27 – 29 March in Bangkok.

There are many ways you will benefit from making use of this program:

- Find companies to buy or sell your services and products to
- Locate investment opportunities in your fields of interest
- Form lucrative partnerships and collaborations for business
- Broaden your personal network to advance your career

The business matchmaking is designed for both exhibitors and visitors. The program is an easy-to-use online technology platform

called JUBLIA. The tool allows you to review profiles and schedule meetings with attendees who interest you before the event. Combined with a personalised service from our business matchmaking consultants, it will help you maximize your networking opportunities.

We will open up the tool six weeks before the event, in February 2018.

VICTAM News Room

Another new feature that will be introduced during VICTAM Asia is the VICTAM News Room. Speakers, visitors and exhibitors will be interviewed about their expertise. The news crew will also make running reports about the event through Victam's social media channels.

To catch an impression of what to expect you can watch all the interviews and movies from FVG Select on our YouTube channel: Victam International.



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11th Aquafeed Horizons Asia 2018

March 27, 2018, BITEC, Bangkok, Thailand

Aquafeed.com's technical conference
for aquaculture feed industry stakeholders.

Details at: feedconferences.com

2017 Proceedings Available

Proceedings from the 2017 conference are available in the
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Practical information

Bangkok is the political, economic, cultural, culinary and spiritual capital of Thailand and features both old-world charm and modern convenience.

Visitors who travel to Bangkok can be overwhelmed by the sheer size of the city and the vast number of attractions Bangkok has to offer. Indeed there is a wide variety of Bangkok sightseeing opportunities spanning more than two centuries of rapid development following the city's founding in 1782 by King Rama I, the first king of the present Chakri dynasty.

Since that auspicious date, Bangkok has swelled to a cosmopolitan, 21st century city of more than ten million inhabitants. Whilst the immensity of the city and its bustling streets can be intimidating at first, those who spend some time in Bangkok are quickly enamoured by the myriad of attractions it contains, from exotic temples, which underscore Thailand's strong Buddhist history, to modern shopping malls.

Try to visit Thailand's Grand Palace, arguably the premier Bangkok sightseeing

attraction. Situated in the heart of Bangkok's Rattanakosin Island, the gleaming spires of the Grand Palace are conveniently located nearby Bangkok's most spectacular temples, including the Temple of the Emerald Buddha (Wat Phra Kaeo), the Temple of Dawn (Wat Arun), and Wat Pho. These iconic destinations are top attractions to all visitors who travel to Bangkok looking to appreciate Thailand's unique cultural traditions.

When you travel around Bangkok, a cruise on the Chao Phraya, a visit to a floating market, or an exploration of the cities 'back alley' canals (khlongs) are themselves unique attractions. Other historical and cultural Bangkok sightseeing 'must sees' include the National Museum, Vimanmek Mansion, and Suan Pakkad Palace, all of which either house fine art or are national treasures in their own right.

Key tips

- Beware of scams involving tuk tuks, gem shops, and tailors, particularly around popular tourist attractions. Remember, there is no such thing as a free ride. It's better to flag down taxis that are already driving (the red light means empty); these will generally use the meter while parked taxis typically ask for higher fixed fares or will take you for the proverbial 'ride'.
- Be aware of the possibility of credit card fraud. Don't lose sight of your card during transactions.
- Be on your guard against pickpockets and bag snatchers. Foreign visitors have had items snatched by thieves on motorbikes when walking along busy streets or travelling in open transport like tuk tuks.
- If you travel by bus, make sure cash and valuables you have are kept securely. There



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for VICTAM Asia 2018

have also been incidents where passengers have had items taken from bags while asleep.

- If you need emergency medical assistance during your trip, dial 1669 and ask for an ambulance. You should contact your insurance/medical assistance company promptly if you are referred to a medical facility for treatment.
- You should also take mosquito bite avoidance measures.

The venue

VICTAM Asia 2018 takes place at the Bangkok International Trade and Exhibition Centre (BITEC). BITEC has its own station at Bangna on the efficient Skytrain system. This enables fast, air-conditioned and cheap travel to the exhibition halls.

Entrance ticket

The entrance ticket for the exhibition is *free of charge*. We do encourage you to register online to avoid a queue onsite. A separate fee may be charged for the

conferences. Visitor registration now open: <https://victamasias.com/registration>.

Accommodation and travel

Bangkok's international airport, Suvarnabhumi airport, is served by the major airlines, with frequent flights from all over the world, and especially its Asian neighbours (see table, right).

Bangkok offers a wide range of hotels to suit your budget requirements. A number of local hotels have been selected to accommodate visitors and conference delegates. These hotels will be offering special accommodation rates and are in the bustling downtown area of Bangkok.

We have selected a number of hotels in different price ranges for your stay in Bangkok. We have been able to secure a discount for visitors and exhibitors of VICTAM Asia 2018.

Please use only the links on our website, <https://victamasias.com/hotels-and-travel> to book your room, otherwise you will not receive the discount. *continued overleaf* ▶

Flight duration times from major Asia/Pacific cities (approximate timings)

Beijing	5.25 hours
Christchurch	11.75 hours
Dhaka	2.50 hours
Hanoi	2.00 hours
Hong Kong	2.75 hours
Jakarta	3.50 hours
Kuala Lumpur	2.25 hours
Manila	3.25 hours
Mumbai	4.75 hours
New Delhi	4.50 hours
Phnom Penh	1.25 hours
Rangoon	1.50 hours
Saigon	2.00 hours
Seoul	5.75 hours
Shanghai	4.50 hours
Singapore	2.25 hours
Sydney	9.00 hours
Taipei	4.00 hours
Tokyo	5.50 hours
Vientiane	2.00 hours



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Please note that Victam International B.V. does not take any responsibility for hotel rates, requirements, bookings, payments, cancellations, etc.

Warning

There are several companies offering unsolicited hotel rooms in Bangkok. Please do not book with these companies as this can cost you a lot of money.

Victam International BV has never cooperated or collaborated with any of these companies. Please use the official hotel links below to book the hotel of your choice directly.

Preferred hotels for VICTAM Asia 2018

JW Marriott Hotel Bangkok

5-star luxury hotel

Discover the essence of luxury at the JW Marriott Hotel Bangkok. Ideally placed on iconic Sukhumvit Road, we're moments from the BTS SkyTrain; we allow for convenient travel to a wealth of landmarks here in the city centre, including Siam Paragon and CentralWorld Bangkok.

Make yourself at home in your immaculately appointed hotel room or suite; all lodging is furnished with luxury bedding, an elegant marble bathroom, an ergonomic workspace, high-speed Wi-Fi access and much more.

The Landmark Hotel

5-star luxury hotel

The Landmark Bangkok is an all-round impressive hotel offering 31 storeys of elegant and spacious accommodation comprising 399 rooms, including suites.

Our accommodation and restaurants are of the highest international standards, while the service is sublimely Thai.

Bangkok Marriott Marquis Queen's Park

5-star luxury hotel

Make the brand new Bangkok Marriott Marquis Queen's Park your destination of choice when visiting Bangkok's vibrant city center. We welcome both business and leisure guests with 5-star hotel rooms and suites and a truly unparalleled location in the EM District, near the city's most celebrated shopping, dining and nightlife attractions.

Our hotel rooms feature modern Thai-inspired design elements, mesmerizing panoramic views of Bangkok city center and a vast assortment of 5-star amenities.

The Continent Hotel Bangkok

5-star luxury hotel

The Continent Hotel Bangkok, where you will experience the peak of luxury and convenience in a 5-star boutique hotel. Sukhumvit Road is adjacent to our hotel,

and offers Bangkok's best in dining, night life, shopping and entertainment, for both the business and the leisure traveler.

Thanks to a masterful combination of style, design and location, the Continent Hotel is probably the top lifestyle hotel Sukhumvit has on offer.

Radisson Blu Plaza Bangkok

5-star hotel

Nearly scraping the city's sky with its 30th floor, the Radisson Blu Plaza Bangkok provides savvy travelers with a central location on Sukhumvit Road, only 200 meters from the subway and Skytrain.

Guests can walk to destinations like Benjakitti Park and shop their way through nearby malls like The Emporium, Emquartier and Terminal 21. When it's time to relax, 290 elegant rooms with stunning views invite patrons to unwind.

Renaissance Bangkok

Ratchaprasong Hotel

5-star hotel

The 5-star Renaissance Bangkok Ratchaprasong Hotel is redefining luxury here in the city center, with elegant accommodation and exceptional amenities.

You'll find our hotel right in the middle of everything you want to do, see and experience in Bangkok – from Siam Square to Platinum Mall and the Grand Palace. We're also steps away from the BTS Sky Train station, allowing you to explore the city with ease.

Sheraton Grande Sukhumvit

5-star hotel

Sheraton Grande Sukhumvit, A Luxury Collection Hotel, Bangkok is steps away from all the best the city has to offer. Hotel guests are moments away from major corporate offices, shopping malls, cultural attractions and entertainment areas.

Mövenpick Hotel Sukhumvit

5-star hotel

Mövenpick Hotel Sukhumvit 15, Bangkok perfectly situated in the heart of Bangkok, just a short stroll away from all the action and the hotel is connected to the rest of the city via both the BTS Skytrain and MRT Subway.

U Sukhumvit Bangkok

4-star luxury hotel

U Sukhumvit enjoys a prime location in the heart of Bangkok's business and dining area in Sukhumvit Soi 15.

The overall interior and architectural design concepts are created with a modern living lifestyle in mind but featuring unique local touches. All 82 rooms ranging from 28-40 sqm and other facilities are luxuriously appointed with the comfort of U brand's unique concept of service. Facilities include

a themed all day dining restaurant, rooftop swimming pool, gym, library and free wi-fi.

Galleria 10

4-star boutique hotel

Galleria 10 is one of Sukhumvit's finest 4-star boutique hotels located in the heart of Bangkok.

Boasting a stunning blend of modern and retro style fused with a certain charming elegance, Galleria 10 is located right in the heart of Sukhumvit, Bangkok's primary business, entertainment and shopping district. While many attractions are within comfortable walking distance, the hotel's convenient location provides easy access to Bangkok's various public transportation systems, allowing you to explore the cities many attractions with little fuss.

Grand Swiss Hotel

4-star modern hotel

For a truly modern and relaxing experience at the heart of Bangkok, the Grand Swiss 4-star hotel offers a delightful balance of comfort and style in an ideal location.

With 5 room types to choose from, and a wide selection of in-house activities (fitness center, swimming pool, free in-house Wi-Fi and a TV in every room), Grand Swiss provides guests with all the features you'd expect from a high-quality, convenient hotel on Sukhumvit.

Citrus Sukhumvit 11 Hotel

4-star boutique hotel

Inject a little zest into your stay with the Citrus Sukhumvit 11 Hotel in Bangkok!

Our brand new 4-star hotel is among the finest accommodation that Sukhumvit has to offer; so if you are looking for a truly unique and modern hotel then Citrus is most certainly the perfect choice for you.

Le Fenix Sukhumvit

3-star hotel

Major shopping, dining and entertainment facilities are all an easy walk from the hotel. This Sukhumvit Hotel is located just beside Levels Club, Oskars Restaurant & Bar, and offers easy access to Bumrungrad International Hospital.

The best shopping malls, as Central Embassy, Siam Paragon, Central World, MBK are easily reachable via the BTS Skytrain. Featuring 147 cozy and comfortable rooms with contemporary furnishings, Le Fenix Sukhumvit Hotel is the perfect choice for your next holiday or business trip.

● For hotel reservations, further (visa) information and a map of Bangkok, please visit our event website at: www.victam-asia.com. Click on the button 'practical information' at the top of the page. Here you can find an application form for a visa invitation letter.

VICTAM Asia 2018 TIMETABLE

Opening hours

Tuesday, March 27, 2018

- 08:00 – 17:00 Registration and badge collection
09:30 – 10:00 Official opening
09:00 – 17:00 Conferences and technical seminars
10:00 – 18:00 Exhibition and business matchmaking program
18:00 – 19:30 Network reception

Wednesday, March 28, 2018

- 08:00 – 17:00 Registration and badge collection
09:00 – 17:00 Conferences and technical seminars
10:00 – 18:00 Exhibition and business matchmaking program

Thursday, March 29, 2018

- 08:00 – 14:00 Registration and badge collection
09:00 – 16:00 Conferences and technical seminars
10:00 – 16:00 Exhibition and business matchmaking program

Conferences

Tuesday, March 27, 2018

- Aquafeed Horizons Asia 2018
- FIAAP Animal Nutrition Conference Asia 2018
- GRAPAS & Global Milling Conference Asia 2018
- Technical seminars

Wednesday, March 28, 2018

- Petfood Forum Asia 2018
- Proagrica Feed Efficiency Seminar Asia 2018
- GMP+ seminar
- Technical seminars

Thursday, March 29, 2018

- World Feed Industry Perspectives Conference
- Technical seminars

Schedule is tentative to change



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The event will be held in the Bangkok International Trade & Exhibition Centre, (BITEC) in Bangkok, Thailand.

This modern, purpose built air-conditioned exhibition and conference centre is easily accessed from downtown Bangkok.



BITEC – easy access and modern facilities



Above: BITEC offers easy parking – both indoors and out, plus a comprehensive range of restaurants and coffee shops.

The exhibition and conferences Ground level

The VICTAM Asia 2018 exhibition is held in halls 101 and 102. You can find the Victam information stand at the back of the hall.

Level two

Conferences and technical seminars.

Accessing BITEC

The centre is accessible via 3 entrances: The 1st and 2nd are along Bangna-Trad Road (km.1) and the 3rd entrance is along Sukhumvit Road via expressway.

By BTS (Skytrain)

Bang Na Station (Exit 1). A shuttle service that transports passengers from the Sukhumvit Road entrance to exhibition halls is also available for some events held at BITEC.

By car

15 minutes drive from the Suvarnabhumi International airport. Directly linked by the expressway to Centre Business District (10 km). Links the Outer Ring Road to extended every other part of Bangkok to avoid traffic jam in rush hours, which away from BITEC 7 km. Indoor and outdoor parking space for 4,700 vehicles – 1,680 cars indoor, and 3,020 cars outdoor.

By taxi

For your convenience and comfort, a taxi service will be available for your pre-bookings at Business Centre. The taxi stand is also available by drop off area in front of EH 103.

Disabled access

BITEC provides unrestricted access for disabled visitors. Disabled toilets are provided throughout the venue. Disabled parking bays are available in Basement 1.

Trendy and tasty food and beverage options at BITEC

The BITEC banqueting team offers a comprehensive range of food and beverage options for your convenience. Several restaurants and dining venues are available on-site to suit a variety of tastes and appetites. Your choice of Asian or Western dishes is available at our restaurants located along the concourse and a gourmet food court is located in the basement floor. For a quick snack or coffee to go, try one of our coffee shops and bakery outlets.

Fahrenheit

Designed with the concept to bring the outdoor indoors. The restaurant boasts glazed transparent open plan dining with generous space and natural lighting. The buffet and à la carte menu offer Asian and Western cuisine. Located on ground floor.

Coffee i do

Coffee i do features coffee, sweets and snacks for a quick break or meeting up at our entry hall.

deli.cio.us.

Internet bistro featuring trendy sandwiches, crispy salads and desserts prepared by our chefs in the show kitchen.

Food Connexion

Enjoy a large variety of local and international dishes at our gourmet food court. With up to 40 flavourful food and beverage stalls, there is something for everyone at Food Connexion.

Contact details

Bangkok International Trade & Exhibition Centre (BITEC), 88 Bangna-Trad Road (Km.1), Bangna, Bangkok 10260, Thailand.
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ANDRITZ offers a broad range of aftermarket services, which includes service, support and follow-ups, repairs and spare and wear parts. ANDRITZ is a global leading supplier of technologies,

systems and services of advanced industrial equipment for the feeding and fueling industries. We design and manufacture all key process equipment as well as offer complete plant solutions.

ANDRITZ Feed & Biofuel A/S

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Booth D010!

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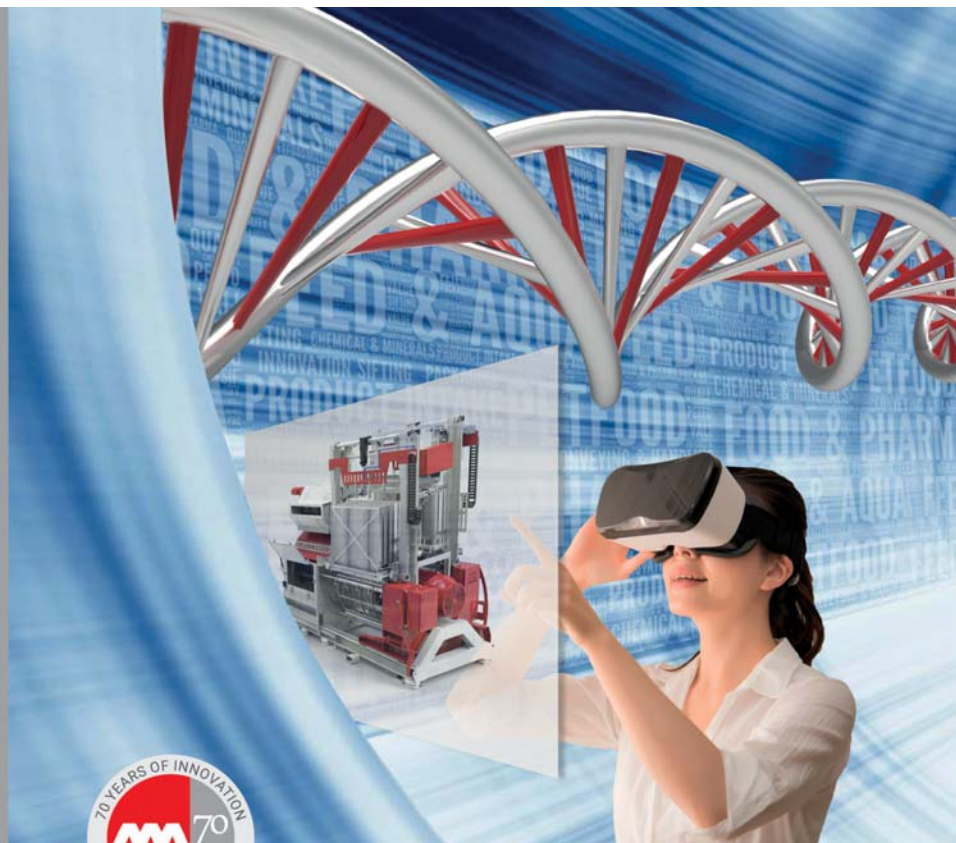
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DINNISSEN PROCESS TECHNOLOGY



Visit our booth (E100) at Victam Asia and step in to a virtual world where you can try out some of our latest innovations for the production of high quality feed.

- Hamex® Hammermills
with automatic sieve exchanger
- Pegasus® Mixers
easy to clean
- Vacuum Coating Line
hygienic, homogenic and multiple layer coating



VALUE INNOVATORS BY NATURE

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PROCESS TECHNOLOGY

Exhibitor Previews

On the following pages you will find information on a number of exhibitors and what you will see at the exhibition

Agentis Innovations Limited

Stand C030

Agentis Innovations is specialist in Process Integration and Process Optimization. We work extensively with manufactures of animal and aquatic feeds to assist them in reducing manufacturing and operating costs through improved process efficiency and product quality. Moreover, we facilitate the capture of big data necessary for enabling artificial intelligence and fulfilling the needs of advanced reporting and real time information, certification requirements and traceability.

Our focus is the development and implementation of Industry 4.0 technologies in agriculture. Core products include Process integration and Plant Automation systems, Real Time Moisture Measurement and Control and Facility Energy Management software

Alapala Makina ve Gıda Sanayi A.S.

Stand A064

Alapala, with its 65 years of experience and pioneer position in grain milling industry, is also assertive in feed milling. In its plant at Çorum, the company will manufacture also for its "Alapala Feedtech" brand.

Alapala Feedtech started to offer high technology machines and turn-key projects for feed industry professionals and offered its brand new machinery catalogue to the market. The catalogue, involving key machines for feed milling such as hammer mills, mixers, micro dosing systems, pellet mills, coolers and crumblers with their technical details, can be demanded from info@alapala.com and adagli@alapala.com both in digital and hard copy format.

Almex

Stand A098

Almex is a leading supplier of extrusion and expanding equipment since the early 1970's. Almex extruders and expanders are in use worldwide at fishfeed-, petfood-, animal feed, oil extraction- plants, the foodindustry and the processing and chemical industries.

In addition to our extruders and expanders, we supply up- and downstream equipment in order to set up complete processing lines. The robust, basically simple design of the Almex equipment guarantees years of trouble free service.

Avivagen Inc.

Stand B152

Avivagen is developing and commercializing products for livestock feeds to replace antibiotics for growth promotion and to help prevent disease by supporting the animal's own health defences.

The Corporation's unique, proprietary

technology is known as OxC-beta™ (fully-oxidized beta-carotene) technology. OxC-beta™ LIVESTOCK modulates the immune system to function optimally. For animals reared under intensive production conditions OxC-beta™ LIVESTOCK provides economically meaningful improvements in ADG and FCR, potential for reduced severity of enteric diseases, and activity at low parts-per-million levels in swine and broiler poultry.

Biomin Singapore Pte Ltd

Stand A130

Digestarom® DC – The Feed Converter with Biomin® Duplex Capsule.

Digestarom® is the phytogenic product line of Biomin, a world leader in gut performance management, supported by 30 years of research and development.

Biomin has developed a unique encapsulation technology providing essential oil actives in the Biomin® Duplex Capsule. With a clear, documented mode of action and an advanced formulation based on three modules, Digestarom® DC results in improved palatability, enhanced digestibility, reduced intestinal challenge, better animal product quality and improved animal welfare.

Borregaard SEA Pte Ltd

Stand A002

TekPro Ltd are pleased to announce we will be attending the VICTAM show in Asia with our Flagship Holmen NHP200 Pellet Durability Tester, which will be displayed alongside Borregaard Lignotech on stand A002.

This semi-automatic solution reduces the chance of human error in the durability testing process, providing accurate and repeatable results. The average test lasts 4 minutes and the test time is selected according to the pellet diameter entered. Suitable for pellets 3mm-12mm diameter.

For more information, please visit our website at www.tekpro.com TekPro Ltd, Willow Park, North Walsham, NR28 0BD, England, UK.

Brock Grain Systems

Stand A040

Brock Grain Systems manufactures a wide range of grain storage, conditioning, handling and structural systems dedicated to preserving value from harvest to market for worldwide distribution.

Brock offers unstiffened and stiffened grain storage bins/silos with some of the largest and tallest single bin models available, the largest of which holds up to 1.34 million bushels.

As a global division of CTB, Inc., a Berkshire Hathaway Company, Brock Grain Systems remains committed to providing Leadership Through Innovation®

and has adopted growth strategies that will enable the company to continue to serve the grain industry with excellence far into the future.

Bühler (Changzhou) Machinery Co., Ltd

Stand A080

The Bühler Feed Business Unit has been continuously adapting its product portfolio and its manufacturing and logistics services specifically to the needs of its customers in global.

Bühler Changzhou, a highly successful affiliate of Bühler group which has been setting new benchmark for feed mill quality standard since its launch to Asia in 2008, has been expanded over the past few years into a Continental Base for China and Southeast Asia. On the basis of a shared technological Bühler platform, a range of products have been developed and produced in China that is matched to the regional requirements.

Chief Agri

Stand E090

Chief Agri originated in 1961 and has grown to offer a full line of grain and commodity storage, aeration and material handling products throughout the world.

Our comprehensive product offering includes: • Grain Storage • Grain Handling • Caldwell Grain Conditioning • Dryers

Email: agri@chiefind.com; Website: agri.chiefind.com

China Animal Husbandry Industry Co., Ltd

Stand E172

China Animal Husbandry Industry Co., Ltd (CAHIC) is the largest animal healthcare products' manufacturer and the backbone feed additives' manufacturer in China.

Its main operation includes: animal vaccines and the diagnoses reagents, feeds and the feed additives, the veterinary medicine production, research and development, marketing and after-sale services.

Concetti S.p.A.

Stand A040

Bag filling has been taken to a new level with the Starpack range of bagging machines. The Starpack pedigree is well known around the world and Concetti are pleased to announce the very latest ultra high-speed machine, capable of handling up to 1,600 bags/hr with 25-50 Kg bags and a choice of closure systems.

Handling woven-PP, paper and plastic bags the robust design incorporates Concetti's automatic format change to combine speed with flexibility allowing different bag formats to be handled and changed at the touch of a button.

Concetti is a premium packaging system supplier.

Consergra, S.L.

Stand C122

Consergra, S.L. is a company founded in 1969. Since then, the main activity of the company has been the construction of refrigerating equipment and special air conditioners, which are mainly used in the storing of cereals, seeds and perishable granulates. We also construct refrigerators for other purposes and agri-food and industrial processes according to the specific needs of the client.

Over the years, we have gained much experience in cold storage, either under temperate climates or in the most extreme conditions of deserts or in the tropics.

Darling Ingredients

(Sonac & DAR PRO Ingredients)

Stand A178

With more than a century of experience, Darling Ingredients provides a global platform for the development and the production of sustainable natural ingredients. As a partner trusted by feed manufacturers worldwide, we deliver quality solutions to customers and add security to the supply chain.

Our brands DAR PRO Ingredients and Sonac will present their reliable, nutritional and high-quality animal proteins and fats for a wide range of applications in pig, poultry and aqua feed. This enables you, as a manufacturer to continually provide essential nutrients, improve feed efficiency, and make more palatable products for your customers and markets.

DSM Nutritional Products

(Thailand) Ltd.

Stand A090

A pioneer since the earliest days of feed additives, we draw on the latest science to provide a unique portfolio that runs from the classic vitamins through carotenoids to cutting-edge eubiotics and feed enzymes. We work tirelessly with our customers to create products that deliver performance and profitability for people today and generations to come.

As a leading micronutrient provider, DSM develops innovative and sustainable solutions for improved nutrition to the global feed industry. Visit DSM Booth No. A090 to discuss about solutions for your animals from DSM broadest range of ingredients.

Dinnissen B.V.

Stand E100

This year, Dinnissen celebrates 70 years of success in the mechanical engineering sector, from a local machine specialist for the compound feed industry into a leading

player in innovative system integrations in the feed, food, pharma and chemical sectors. Dinnissen, a leading player, famous for its expertise and tailor-made solutions in the world of powders, particles and granules – developed, tested and produced in-house.

Recently, in addition to offices in the Netherlands and Germany, Dinnissen has set up an office in Asia. Perry Konings from Dinnissen, explains. "With the opening of Dinnissen Asia, we take an important step towards further internationalization."

Dr. Eckel Animal Nutrition GmbH & Co. KG

Stand D010

Dr. Eckel Animal Nutrition GmbH & Co. KG is a leading German supplier of innovative feed additives. Dr. Eckel offers creative solutions for optimized and sustainable animal nutrition to meet the global challenges of modern animal production.

The company is especially acknowledged for their range of phytogetic products, the most recent of which is Anta®Ox Aqua. Launched in 2017, it is an all-natural health additive with a high potential complex formula from grape, green tea and hops. With its growth enhancing effects due to its anti-inflammatory properties, Anta®Ox Aqua is designed to fit the needs of modern intensive shrimp production.

Eye-Grain Aps.

Stand D080

iGrain (Eye-Grain Aps) of Denmark, is a factory specialized in manufacturing:

1. DETOXIFICATION SCRUBBERS for grain, nuts, oil seed-cakes and other feed stuff contaminated with Mycotoxin,
2. MONITORING Systems for STORED GRAIN including advanced aeration control, especially in the flour milling industry,
3. GRAIN CHILLERS.

DETOXIFICATION PRODUCTION LINES include capacity from 4 ton/hour to 12 ton/hour. A reduction of Mycotoxins such as Aflatoxin and DON may be as high as 80 percent. GRAIN MONITORING includes GRAIN MOISTURE and SPOILAGE DETECTION with monitoring of CO2(Carbon Dioxide).

Products include: MYCOTOXIN SCRUBBERS, GRAIN OZONATORS, GRAIN CHILLERS, GRAIN TEMPERATURE MONITORS, GRAIN SPOILAGE CO2 DETECTORS

Farmtec

Stand D144

Dr. Oligo (milk cow, chicken, laying hens, pig). A micro-organism and yeast cultivating substance, it is a rich source of metabolic products. It has been made so that it can be digested most efficiently in



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Tuesday March 27, 2018

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Poultry gut health in 2018: a holistic view

Dr. Maarten De Gussem,
DVM, poultry consultant
with VETWORKS



Phytogenics support animals' resilience against intestinal infections

Dr. Jan Dirk van der
Klis, director of products
and innovation, Delacon
Biotechnik GmbH

March 27, 2018

Bangkok International Trade and Exhibition Centre
Bangkok, Thailand



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Asia 2018

Presented by: **FeedStrategy**



the body with a large amount of cultured organic acid. The fragrant smell and sweet oligosaccharide taste stimulate the appetite and smell, while being excellent in taste.

FP Engineering Ltd – FP Spomax SA **Stand E094**

FP Engineering – FP Spomax is designer and manufacturer of grain processing and handling equipment for the milling and feed industry.

The company is also known for its rolls produced in own foundry on one of the most modern centrifugal casting lines in Europe. This method permits full control over the casting process and ensures uniform roll hardness up to 30 mm depth.

FP Engineering – FP Spomax supplies smooth, corrugated and self-matting rolls. Precision and quality of SPOMAX rolls lead to extended time of their use. The regenerations are less frequent which in turn leads to cost saving.

F-TKO OU **Stand C158**

F-TKO is a GMP+ international organisation focused on the supply of animal proteins, oils and fats, and fertilisers. With offices in both Europe and Asia, F-TKO stands committed to deliver high quality and flexible services to our international and domestic customers, sourcing products from across the EU and other regions and upholding tight quality standards and operational excellence.

The main field of activity is the supply of raw materials for the mixed feed, pet food, aquaculture, fertiliser and energy sectors: we can accommodate your specific needs with tailor-made formulations, and we look forward to meeting you at booth C158.

Hangzhou Xiaoteng Industries Co., Ltd **Stand E168**

Hangzhou Xiaoteng Industries Co., Ltd mainly focus on feed additives, food additives, veterinary APIs and finish products.

Our main products include pellet binder (polymethylolcarbamide, polymethyl carbamide, feed binder), anti-caking agent (precipitated silica), vitamins (folic acid, vitamin C coated, ascorbate monophosphate, vitamin K3), amino acids (Lysine, Methionine, Threonine), antibiotics (veterinary APIs and finish products)

Henan Jingu Industry Development Co., Ltd **Stand D006**

Henan Jingu Industry Development Co., Ltd, which has specialized in manufacturing and exporting grain conveying and intelligent packaging

machines for over 20 years. Our new developed fully automatic bagging machine (uncoated 50kg,70kg PP woven bag) will be shown at this exhibition. The semiautomatic flour bag packaging machine and Fully flour bag automatic bagging machine will also meet with every customers.

Jingu warmly welcome home and abroad call or visit and agents around the country are invited to join, and seek common development. Our booth No. D006. We look forward to your visit.

Huzhou International Trade Co Ltd **Stand D022**

Huzhou International Trade Co Ltd (Hangzhou De Mark Industrial Co Ltd) – a one-stop supplier of superior quality products for the healthcare and nutrition of farming animals. Pellet binder, colorant, vitamin, amino acids, Yeast, growth promoter, coccidiostats and histomonostats.

On the show, Magicoh Pellet Binder, Tilmicosin premix, vitamin E premix and Cysteamine HCL premix are displayed. We care customer's cost-quality satisfaction.

Hydronix Ltd **Stand D140**

Hydronix has been designing and manufacturing digital microwave moisture sensors for over 35 years. Located in the UK, Hydronix also has offices in France, Germany and the US.

Designed for the feed and grain industry, Hydronix high precision moisture sensors are easy to install and provide excellent accuracy and reliability. The Hydro-Mix XT is designed for mixers or ducting systems and the Hydro-Mix HT is a high temperature sensors designed for measuring moisture on the input or output of a dryer. Hydronix sensors can be easily controlled and configured over a remote connection using our Hydro-Com software.

Inteqnion **Stand A098**

Inteqnion is an innovative and dynamic company, which is specialized in design, manufacture and implementation of control systems in the processing industry.

With more than 20 years of experience in the processing industry, Inteqnion is an experienced and reliable partner, which delivers state of the art customized solutions. The process control systems of Inteqnion are in use with producers all over the world. Many of these systems are computer controlled and technically supported by modem or internet connection from our office in Holland.

The solutions Inteqnion provides are characterized by solidity and reliability: Inteqnion stands for quality.

Jiangsu Five Continents Machinery Co., Ltd **Stand B002**

FCM is manufacturer of feed machines and plants in China with more than 20 years international business experience.

Till now, FCM processes FCPM pellet mill, SFSP hammer mill, SHSJ double shaft mixer, other various single machines and 1-60T/H feed mill plant. FCM also combines high quality machines, advanced technology, professional design and rich installation experience together, which provides our customer with efficient feed mill plant.

Jiangsu Zhongtian Agro Machinery Co., Ltd **Stand B038**

ZTMT is a dynamic manufacturer specialized in animal feed machinery and complete plant from China. Over the past decade, ZTMT has provided large quantities of turnkey projects world wide, covering 2-120t/h poultry and livestock feed plant, 1-20t/h aqua feed plant and grain storage silo.

To provide better service, we established branch offices in Bangladesh, Vietnam, Philippine, Myanmar. We devote to maximizing customer's satisfaction with our mature experience and technology.

Jiangxi TianJia Animal Pharmaceutical Co., Ltd. **Stand C026**

Tianjia (Tega) is top runner in micro-encapsulation technology and facility, having two professional micro-encapsulation production lines, one for coating solids like sodium butyrate or other acidifier, the other for coating oils like VD3 and essential oils. FAMI-QS, ISO9001, HACCP, GMP certificates achieved.

Products have been exported to worldwide market. Tega has been always committed to providing systematic solutions for customers to rear animals without antibiotics.

Jinan Qidong Machinery Co., Ltd **Stand B016**

Founded in 2003, Jinan Qidong Machinery Co., Ltd. has been a leader in the R&D of extrusion machines over the past decades. All our equipment is built using market leading technology and built to CE standards, as well as certified by the European Union.

Our products cover 3 series and over 40 types to completely meet the diverse needs of our customers for different capacities and varieties. Customers come to use from all over the world, including Iraq, Iran, Burma, Bengal, Brazil, Peru, Egypt, and South Africa.

Kasetphand Industry Co., Ltd **Stand A040**

Kasetphand Industry Co., Ltd. (KPI) has been doing Feed, Farm and Food business with 50 years of experiences. We provide a variety of professional comprehensive engineering service, design, production, machinery & equipment, construction installation and after-sales service, covering "Feed - Farm - Food" as Turnkey Innovation.

We have run business with excellent service, integrity and growing together with our great partnership as our motto "Serve the Best Step Forward". As the Industry 4.0, KPI with great partners BROCK and Concetti would like to present technology of feed mill, grain systems, packaging and palletizing. Visit us at booth no. A040.

Kemin Industries (Asia) Pte Ltd **Stand A060**

Kemin (www.kemin.com) is dedicated to using applied science to improve the quality of life for over half a century.

As a global company touching 3.8 billion people every day with its products, Kemin is committed to improving the quality, safety and efficacy of food, feed and health-related products to feed a growing population and be a resource for others in need. Committed to feed and food safety, Kemin maintains top-of-the-line manufacturing facilities where over 500 specialty ingredients are made for humans and animals in the global feed and food industries, as well as the health, nutrition and beauty markets.

KSE Process Technology B.V. **Stand C112**

KSE Process Technology is a family business that has grown steadily over the last 40 years to become a worldwide concern. We supply everything your factory needs to dose, weigh and transport your materials.

Besides dosing and weighing systems themselves, we provide automation solutions and services for producers of powders, pellets and granulates for the animal feed and related industries. Although many of our products are standard, all our systems can be optimized to your requirements with different options and modifications.

Laidig Systems, Inc. **Stand B124**

Laidig reclaimers provide an automated solution to silo bridging problems associated with sticky, fibrous or hard to handle materials. They create mass flow while maintaining a first-in, first-out inventory control.

Laidig can handle a wide variety of materials including soybean meal, canola

meal, DDGS, wheat bran and many other bulk materials. This equipment is available in diameters up to 40 meters and can be installed into new silos and domes or retrofitted into existing structures. The Laidig reclaimer drive systems are accessible making service easy and safe.

Lark Engineering Company (India) Pvt. Ltd **Stand D170**

Lark Engineering Company (India) Pvt. Ltd. an ISO 9001:2000 certified company, first in its field in India. Today Lark is a leading and trusted feed Machinery brand in India.

Lark Engineering Company (India) specializes in Design, Engineering and Manufacturing of Feed machines and complete Feed projects. We at Lark, continuously strive to upgrade production facilities to deliver the products at par with established brands in the world over. Lark manufacture dies for all well-known brands of pellet mills. We can assure that our die will give you at least at par or greater tonnage with better quality at equal/lesser cost.

Münch-Edelstahl GmbH **Stand C072**

As a family owned business with a lean structure and a highly developed sense for innovation, Münch-Edelstahl GmbH is always thriving to stay on top of developments in our industry, in order to offer you only state of the art technology and products.

With more than 50 years of experience, and satisfied customers in over 60 countries around the world, we can proudly say we are one of the leading manufacturers in the pelletizing sector and a reliable partner to the feed, biomass, chemical and recycling industry.

Myande Group Co., Ltd **Stand B174**

Myande is an internationally recognized company providing technology and complete plants for Fermented Soybean Meal, Oils & Fats, Starch & Derivatives, and Evaporation & Drying industries.

More than 200 complete plants have been supplied under the Myande's name in around 60 different countries. As a leading supplier of equipment and engineering services, Myande has achieved world-wide recognition for its highly professional technical team, world-advanced manufacturing facility, sophisticated quality assurance system, and customer-oriented services.

OPI Systems **Stand E174**

For more than 30 years, OPI has provided leading-edge grain management solutions

to the worldwide marketplace. We've empowered over 25,000 farm and commercial customers in more than 45 countries to effectively manage their grain in storage and prevent losses.

Our ongoing commitment to advancing grain storage management has yielded numerous innovations to help farmers and agribusinesses protect and optimize the value of their stored grain assets. As a result, OPI has become a recognized world-leading supplier of grain storage management solutions – helping to secure the planet's essential grain supply in an environmentally-friendly way through reduced energy consumption and spoilage losses.

Orient-Sunrise International (Qingdao) CO., Ltd **Stand B004**

Osint roller shell is the top manufacturer and exporter who is specializing in roller shell, which is used for pellet mill industry to produce animal feeds, wood pellets, and any other granules.

During the past 10 years, our roller shells have been exported to the Europe, North and South America, and Asia, etc. The roller shell models we can provide are for the main brands of pellet mills of the world, and we can process as per your drawings also. Look forward to your focus and build up long-term cooperation with you soonest.

Ottevanger Milling Engineers **Stand A098**

Ottevanger Milling Engineers is a global supplier of production equipment and processing lines for the grain processing and compound feed industry.

Founded in 1909, Ottevanger Milling Engineers is today still an independent, privately owned, successful Dutch company, managed by the fourth generation of the Ottevanger family. At our modern and well-equipped manufacturing facilities in Aalten and Moerkapelle in the Netherlands, Ottevanger designs and produces a comprehensive range of process equipment incorporating to the latest standards and techniques.

Pelleting Consumables Europe **Stand C134**

Pelleting Consumables Europe (PCE) is a global supplier of tailor-made, high-grade precision Ring Dies and Roller Shells.

Thanks to years of experience in the pelleting industry we can provide our customers expert advice on the geometry and design of Ring Dies and Roller Shells. We manufacture reliable Ring Dies and Roller Shells for compound feed, biofuel and recycling industries and a wide range of other applications. Our tailor-made Ring

Asia: Prepared for the future of feed safety?

Join the GMP+ International Seminar
Wednesday 28th of March 2018

Time:

09:00 AM - 12:30 PM

Location:

Victam Asia 2018 - Bangkok International
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Growing Food Safety Awareness Asian Market

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International Trade Conditions

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For more information visit us at gmplus.org

Dies and Roller shells are available for pellet presses of all brands and are manufactured at our ultra-modern manufacturing facility.

**Pelleting Technology Netherlands
Stand A098**

Pelleting Technology Netherlands (PTN), specialist in the development, production and servicing of quality and reliable pelletisers and related machinery for the production of animal feed.

Our products can be used for a wide range of applications. Since 1974 PTN has been active on a global scale in the development, engineering, production, sale and servicing of pelletisers and related machinery for the compound feed, recycling and biomass industries. Thanks to its ongoing research and development based on demand from the market PTN has various patents to its name.

**Perten Instruments AB
Stand D008**

At-line and On-line NIR analysis of feed, grain and flour. Perten's diode array based line of NIR analyzers brings lab accuracy to process environments, improving efficiency and quality. Measure at the intake, in the process and in the lab.

The DA 7250 At-line NIR is optimized for analysis of feed, flour, grains and other ingredients. The DA 7300 In-line NIR provides real-time measurement of flour, feed and more. The RVA, Rapid Visco Analyser, is for testing the viscous properties of starch, grain, flour and foods. The new RVA 4800 will run tests up to 140°C in a specially designed pressure vessel.

**Precia-Molen Asia Pacific SDN BHD
Stand B120**

From design to after sales service, Precia-Molen is able to provide total weighing solutions for all industry sectors.

The group comprises three divisions: Precia-Molen SA, a production and sales division, responsible for product design and manufacture and sales of weighing equipment. Precia-Molen Service (PMS), a service division, responsible for the installation of new equipment, after sales service, maintenance and calibration. Precia-Molen, an international division with several subsidiaries throughout the world responsible for sales, service and calibration throughout their respective territories.

**R K Feed Equipments
Stand D030**

R K Bio Feed Machine – RKBFM is a reputed turnkey solutions provider for pelleting of Animal Feed & Bio-fuel; equipped with wide range of machinery for

cooling, mixing, crushing, pelleting, grinding along with PLC and SCADA based automation and spares support through in-house spares division.

Our offering includes: Turnkey solutions with machines like Pellet Mill, Hammer Mill, Counter Flow Cooler, Crumbler, Mixer, Sieve etc. Plant automation and process monitoring system. High performance G-chrome™ pellet die (from hole Ø1.2 mm to 12 mm) and other spares.

Visit us at VICTAM Asia 2018 (Stand D030). See more at: www.rkb_fm.com

**Schenck Process
Stand B206**

Schenck Process is a complete global source of highly accurate dry bulk solids pneumatic conveying, weighing and feeding systems along with additional expertise in air filtration.

For over 130 years a commitment to research and development has led to the creation of some of the industry's most advanced products and technologies. Schenck Process has been awarded hundreds of patents and been recognized by customers for providing custom solutions for their specific material handling needs.

Visit Schenck Process in booth B206 at VICTAM Asia for more information.

**Seah International Qingdao
Stand C048**

Seah International Qingdao is dealing with various Vegetable proteins: Soy protein concentrate, rice protein concentrate, vital wheat gluten, wheat gluten hydrolysate, pea protein concentrate, corn gluten meal, seaweed meal, chlorella powder, spirulina powder... Animal proteins: Dried porcine solubles-DPS, squid paste, squid meal... Yeast: Brewer yeast, yeast cell wall, yeast autolysed, MCP protein... Feed additives: Choline chloride- 50 silica/60 corn/liquid, lysine hcl, betain hcl, glycine, taurine Energy feed: Sweet potato pellet, sweet potato powder.

For more information please contact kelly@seahqd.cn and visit our website www.seahqd.cn

**SGS Group
Stand B154**

SGS is the world's leading inspection, verification, testing and certification company. SGS is recognized as the global benchmark for quality and integrity.

With more than 90,000 employees, SGS operates a network of over 2,000 offices and laboratories around the world. SGS services help ensure the integrity of the food and feed chain from seed development and soil testing through to harvesting and trade inspection at export or import.

**Sigur Group
Stand C198**

Sigur Group – inventor and manufacturer of grain processing equipment for the feed and milling industry. The company designs, produces and sales aerodynamic separators of ADS brand that use technology of highly accurate calibration according to the specific gravity, which makes it possible to pick out biologically valuable seed material that gives up to 40percent of crop increase.

Due to sieve less technology, equipment can work with any kind of grain including rice, soybean, corn, wheat and others. Used in different applications like pre-cleaning, post-cleaning, dehulling. User-friendly machines easy to operate and maintain and have very low energy consumption.

**Simatek Co., Ltd
Stand A200**

Simatek Air Pollution Control Systems: Design, manufacturing and after sales service or industrial air pollution control systems.

**Special Nutrients, Inc.
Stand B170**

Special Nutrients, Inc. is a worldwide leading supplier of scientifically proven anti-mycotoxins additives produced in two sites in the USA, with over fifty distributors located around the globe.

For more than 25 years the company has offered reliable products such as Mycoad and Mycoad AZ the two main products manufactured and marketed by the company with both having capacity to absorb and retain the most important mycotoxins affecting animal production. This absorption from the gastrointestinal tract avoids the deleterious effects caused by these toxins in the body, without interfering with the absorption of critical nutrients in the ration.

**Stotec Binder GmbH
Stand D138**

Stotec Binder is an internationally known specialist for high-performance bagging and palletizing systems. The Austrian company has successfully installed more than 1,200 machines worldwide.

Whether it's plastic pellets, rice, fertilizer or flour – the product range offers customized solutions of highest quality. The bagging systems are designed for PE-, woven PP- and paper bags with a filling weight of 5 to 50 kg and the palletizing systems are able to stack bags and boxes.

With 40 years of experience Stotec Binder is global market leader in high-performance open-mouth bagging and known for absolute reliability, innovation and precision.



KAHL
PROCESS TECHNOLOGY

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- Pellet Mill Type 60 – 1500 for biomass 8 t/h – 10 t/h
- Expander, best conditioning for more than 30 years
- Extruder for Fishfeed and Petfood
- Crushing Roller Mill – in Europe our bestseller!

See us:
VICTAM ASIA
 27 – 29 March 2018

AMANDUS KAHL GmbH & Co. KG
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Discover new innovations in the Asian and global pet food markets

March 28, 2018

Bangkok International Trade and Exhibition Centre
Bangkok, Thailand

Internationally recognized speakers you won't want to miss!



Build a social community to support pet food ecommerce

Jin Huang, international business director for Navarch Petcare, describes the strategy and tactics her company used to develop an ecommerce business from scratch, taking it to 78 percent of the company's sales in just six years

Recipe for success: Why the human-animal bond is the #1 ingredient in pet food

Sandy Robins, pet lifestyle expert and author, explains the role of the human-animal bond in changing how pets are fed and how companies can take advantage of this bond to improve sales



Plus! Presentations on pet food ingredients, energy-efficient pet food drying and production flexibility.



ONSITE REGISTRATION IS AVAILABLE. Visit:
www.PetfoodForumEvents.com/Asia

Stolz Asia Pte Ltd**Stand A048**

Stolz is committed to the feed and grain industry, and has developed various technical solutions of high efficiency. Numerous regulatory constraints have assisted in refining our know-how.

With a wide range of equipment, such as automated flat storage, heat treatment, pelletmill, mixer, fat-coater, vacuum-coater, crumbler, sifter, and its well-known hammermill, the goal of Stolz is to offer machineries which help its customers produce semi-finished or finished products of the best possible quality with optimal productivity, in respect of regulations and budgets.

Our job as an expert and constructor is to ensure good project management, from the preliminary stages to commissioning.

Top Silo Constructions**Stand A098**

As a specialist in the building of square silos TSC Silos supplies an end product that meets the highest quality requirements and is used in a variety of industries.

We use our focus and expertise to design suitable rectangular silo installations of which we are proud. That is all we do: we design, calculate and build silos: day in day out, year in year out. For your benefit. The rectangular silo concept is characterised by an optimum storage capacity and flexible layout options.

A clever design produces the best possible product discharge with maximum storage capacity.

Tyson Foods, Inc.**Stand D110**

Tyson Ingredient Solutions provides sustainable rendered chicken meals and fats to customers around the world. Our vertical integration production model enables us to control the process from start to finish.

We implement rigorous quality assurance steps to ensure we meet our customer's high standards. We strive to be your essential ingredients solution provider!

VIGAN Engineering SA**Stand B208**

VIGAN Engineering offers reliable pneumatic and mechanical ship unloaders and loaders from 100- to 2,000-tph, mainly designed for dry agri-bulk products such as grains, animal feedstuffs, oilseeds, etc.

VIGAN is also able to provide complete turnkey solutions for port terminals, from

project engineering to commissioning. The company has sold around 1,300 machines since nearly 50 years throughout more than 90 countries.

For more information and references, visit www.vigan.com.

Wuxi Naite Electromechanical Technology Co., Ltd**Stand B036**

We were founded in June 1994 and located in Wuxi National High-tech Development District, is a high-tech enterprise and software company for full range of weighing and packaging production line solutions, and R&D, production, sales and services on automatic quantitative packaging and batching equipment.

The products are used widely in the industries of seed, livestock feed, fertilizer, grain, chemical, plastic, medicine, food, flavoring and so on.

Yangzhou Kerunde Machinery Co., Ltd**Stand B018**

Yangzhou Kerunde Machinery Co., Ltd, found in 2009, is specialized on providing plants, equipment and services for cereal, oil and feed manufacturing industries.

More than 150 professional and technical personnel of mechanical design and manufacturing, electrical automation, process design and so on work together in Kerunde to provide one-stop solution for the customers.

Along with the market development, Kerunde nowadays devotes itself on the development, production and sales of pellet mills, hammer mills, mixers, coolers, dryers, oil/drug coating system, oil/moisture addition system and so on, which can be widely applied in feed, food, chemical and brewage industries

Yingtan Wing Biotechnology Co., Ltd**Stand D012**

Wing Biotech is the largest pet food palatability enhancer provider in China. Established in early 2007 with one R&D and Marketing center in Shanghai and two manufacture factories in Jiangsu and Jiangxi province, we focus on providing palatability solutions for pet food.

Our products are palatability enhancers for dry dog food, dry cat food, wet pet food and pet treats, in forms of powder and liquid. We also put forward ingredients for pet food.

90percent of our products are sold in

local market, 10percent for export. We've been exported to Asian, African and East European countries.

Yont Phol Dee**Stand D152**

Yont Phol Dee proudly presents the latest technology for insect management by the UTD RF (radio frequency) method. Insects of all stages could be terminated 100 percent organically (without chemicals), while, the quality of rice, cereal and grain is preserved as good as is.

The UTD RF Technology is patented. Yont Phol Dee has launched BiO-Q , UTD RF Insects Disinfector in this show. Visitors are welcome to witness the world's first industrial-scale continuous insects disinfector.

Zhanjiang Hengrun Machinery Co., Ltd**Stand C082**

Zhanjiang Hengrun Machinery Co., Ltd is professional in processing feed equipment. It's a high-tech enterprise with designing, manufacturing and marketing. We have passed the quality management system certification (ISO9001:2008), the EU certification (CE) and was identified as high-tech enterprise in 2010.

We are the largest complete feed machinery company in the southern China. We have developed a variety of feed machinery products with superior performance which mainly include: Hammer Mill, Pulverizer (the lowest power consumption micro mill in China), Double-shaft Paddle Type Mixer, HR series Pellet Mill, HR series Extruder (domestic integrated the most cost-effective extruder), Box-type Series Circumfluent Dryer.

Zheng Chang**Stand B070**

Zheng Chang, first established in 1918, it is one of the largest feed machinery manufacturer & project designer in China. Zheng Chang is the manufacturer of the first and largest pellet mill in China, which has 60 years' experience in feed machinery.

Zheng Chang has offered more than 9000 pellet mills to 65 percent of Chinese animal feed manufacturers and constructed over 3000 projects worldwide covering fields of poultry and livestock feed, aquatic feed, pet food, premix feed, concentrated feed, hops particle production, fertilizer, storage, sawdust pelleting and garbage treatment.

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All About Feed brings you the latest innovations and developments across the world and explains what it means to your business



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at booth F030

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Dinnissen: 70 years of Dutch innovative power

From local player to worldwide force

This year, Dinnissen celebrates 70 years of success in the mechanical engineering sector. The Dutch company has developed from a local machine specialist for the compound feed industry into a leading player in innovative system integrations in the feed, food, pharma and chemical sectors.

Dinnissen was founded in 1948 in the Netherlands. Rapid regional growth and development of the feed sector continually challenged the company to apply all its innovative talent and expertise. Nowadays, Dinnissen is a specialist in handling bulk solids and powders and has expanded globally into the chemical, pharma and food sectors. Dinnissen is proud to be a leading player, famous for its expertise and tailor-made solutions in the world of powders, particles and granules – developed, tested and produced in-house.

Recently, in addition to its offices in the Netherlands and Germany, Dinnissen has set up an office near Jakarta, Indonesia. Perry Konings, Commercial Manager of Dinnissen, explains. “With the opening of

Dinnissen Asia in Indonesia, we take an important step towards further internationalization. In order to cover the Asian market better, we wanted to open an office dedicated to this part of the world.”



Above: The innovative tailor-made ‘Wingdoor’ sifters, by Dinnissen.



FP Engineering – FP Spomax: operating in over 40 countries

FP Engineering – FP Spomax is designer and manufacturer of grain processing and handling equipment for the milling and feed industry. Company supplies complete projects since 1882 with over 600 installations operating in more than 40 countries.

We also offer a wide range of products

comprises of equipment for gases compression and transportation of loose materials. Company is successful in production and sales of centrifugally cast iron rolls.

FP Engineering – FP Spomax rolls are produced in our own foundry on one of the most modern centrifugal casting lines in

Europe. This method permits full control over the casting process and ensures uniform roll hardness up to 30 mm depth. SPOMAX supplies smooth, corrugated and self-matting rolls. Precision and quality of SPOMAX rolls lead to extended time of their use. The regenerations are less frequent which in turn leads to cost saving.



Operational safety starts with innovative thinking.

**Safe feed production.
Healthy business.**

Visit us at
Victam Asia
Stand A.020
27-29 March 2018
Bangkok
Thailand



7-Cs.nl AARSEN6020



www.aarsen.com/machines/hammer-mills

Reduce the risk of dust explosions and save on operational costs with our new feeding device with built-in heavy parts separator.

By preventing stones and heavy parts from entering the hammer mill, the explosion risk is minimized and the lifetime of the screens will increase. The compact, yet robust new feeding device is designed to fit perfectly with the GD hammer mill and the automatic screen exchange.

VanAarsen The vital link to your feed chain

Sopropêche – over 50 years of service to the industry

For over 50 years, Sopropêche is internationally recognized as a leading expert in the areas of animal feed, aquaculture and petfood by providing innovative nutrients.

Sopropêche offers two fish protein hydrolysates (CPSP® 90 / CPSP® G), obtained by a unique process of enzymatic hydrolysis and considered as one of the best marine protein sources. Our product portfolio also consists of fishmeal and fishoil, vegetable proteins, land animal proteins, yeasts and additives.

Chinese subsidiary

Our Chinese subsidiary, SEAH International Qingdao, which has developed a long term network with exclusive partners and suppliers in Asia, will be pleased to provide you with suggestions for the development of your diets.



Anta®Ox Aqua – the natural solution from Dr. Eckel

Anta®Ox Aqua is a pure botanical feed additive from Dr. Eckel Animal Nutrition GmbH & Co. KG with a unique ingredient combination and a reliable source of flavonoid molecules. Flavonoids are secondary plant compounds that are known to have numerous beneficial effects in the organism.

Scientific studies

Anta®Ox Aqua is the first all-natural flavonoid-based feed additive whose effectiveness has been proven scientifically in shrimp trials. Several scientific studies have demonstrated the anti-inflammatory and antioxidant effect of Anta®Ox. Energy that is saved due to this effect can be used by the animals for growth, lactation, gestation, etc.

Anta®Ox Aqua offers a natural solution meeting exactly the demand for a healthy and efficient fish and shrimp production – perfectly in line with today's consumer perceptions in regard to food safety and animal welfare. It is cost-effective even under very competitive market conditions and does not interfere with medications or water treatments.

Complete grain handling systems from Tornum

Tornum AB, located in Sweden, is one of the leading companies in Europe, manufacturing and supplying complete grain handling systems for the agricultural and grain industries.

Tornum offers complete solutions for drying, storage and conditioning of grain for new plants and expansions of existing facilities and strives to deliver professional customer guidance to construct and build the best system for their operations.

Tornum is expanding its international presence with the establishment of a subsidiary in Thailand. Tornum Asia is headquartered in Bangkok and is serving customers all over South East Asia. Sales is conducted via both distributors and through direct sales to end customers.



You are invited to join

11th ASIA PACIFIC POULTRY CONFERENCE



March 25 - 27, 2018 Plaza Athénée Bangkok, A Royal Méridien Hotel, Thailand

HIGHLIGHTS

Keynotes

- Innovations for Sustainable Poultry Nutrition *Prof. Dr. Leo den Hartog*
- One health Approach to Addressing Antimicrobial Use and Antimicrobial Resistance in the Agricultural Sector in Asia *Dr. Wantanee Kalpravidh*
- Breeding the Chicken of the Future *Dr. Santiago Avendano*
- How the Adoption of Feed Grade Amino Acids in Past and Going Forward has impacted Dietary Crude Protein and the Future for Low Crude Protein *Dr. Mike Kidd*
- Lessons from Human Intestinal Metagenomics *Dr. Joel Dore*
- Development of Digestive Tract: Physiology and Function, including Immune Development *Prof. Dr. Doug Korver*
- Stress and the Microbiota-Gut-Brain Axis; Implication for Gut Health and the Development of Information *Dr. Mark Lyte*
- A Practical Global Approach to Antibiotic Free (ABF) Poultry Production *Prof. Dr. John T. Brake*

Session Topics

- Nutrition & Metabolisms
- Gut Health Management
- Molecular and Genetic
- Health Management / Food Safety
- Nutrition & Feed Technology

REGISTRATION

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Categories / Rate	Regular	Onsite
	(Jan 1 - Feb 28, 2018)	(After Feb 28, 2018)
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Student	USD 250	USD 300

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Bangkok is one of the world tourist destinations. It is the cultural, culinary, and spiritual capital of Thailand. Bangkok features both old-world charm and modern convenience, always with a gracious smile, and there are so many for you to visit and experience.



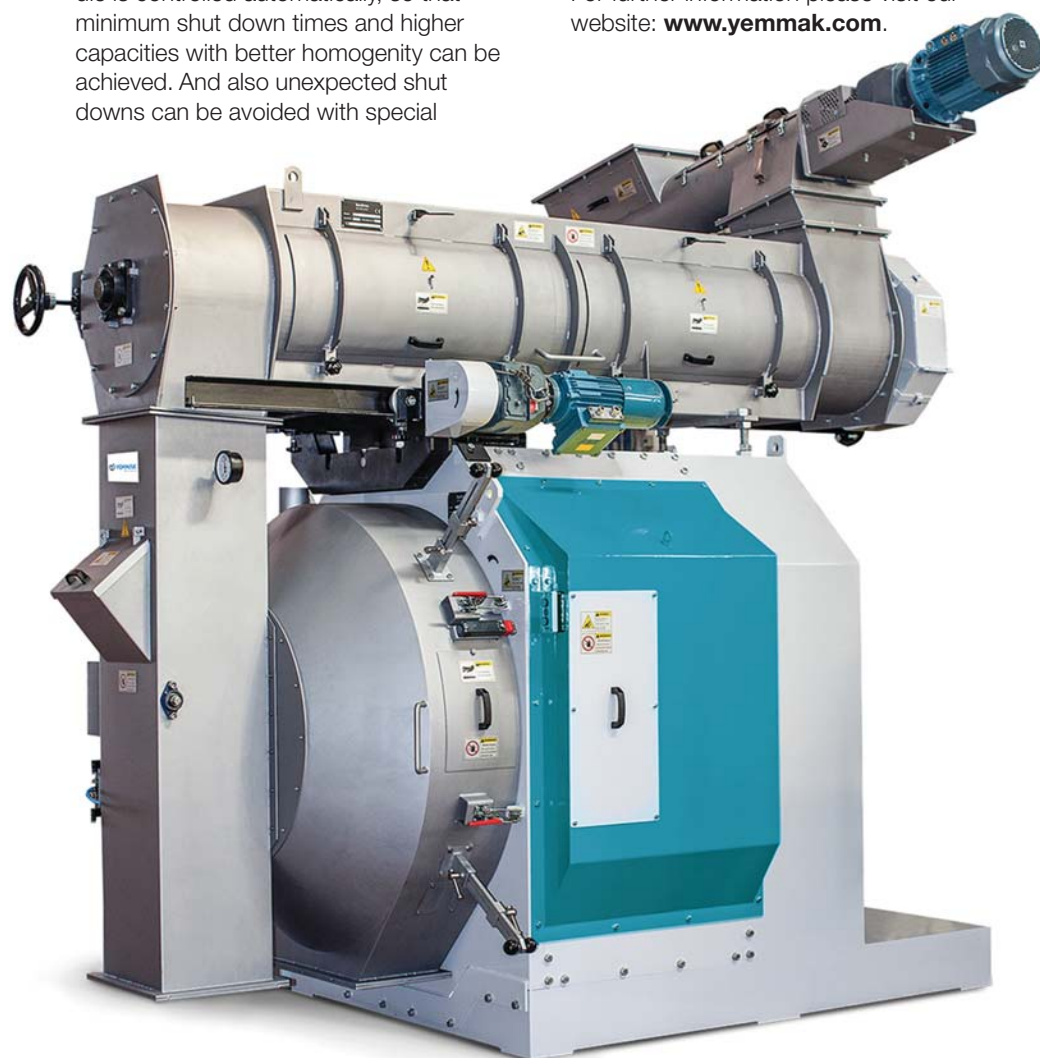
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Yemmak: One step ahead with automatic roller gap adjustment in pellet presses

For higher capacities and easier maintenance, automatic roller gap adjustment is a necessity in pellet presses. Compared to the manual gap adjustment pellet presses the gap between roller and die is controlled automatically, so that minimum shut down times and higher capacities with better homogeneity can be achieved. And also unexpected shut downs can be avoided with special

sensors inside the mechanism, which are monitoring unexpected fluctuations of the operation.

Feel comfortable with Yemmak, and monitor your pellet press on your screen. For further information please visit our website: www.yemmak.com.



Precia Molen: worldwide weighing



PRECIA MOLEN designs, makes, sells, installs, maintains and checks static industrial and commercial and continuous dosing weighing equipment instruments. These solutions are intended for use in both heavy industry (grain, mines, quarries, steel-making, energy, environment...) and light industry (food, chemical, transport and logistics...), as well as in public services (Post Office, local authorities...). From design to maintenance, the PRECIA MOLEN group covers all professionals' weighing needs.

Created in 1951 and based in France, PRECIA MOLEN is present in 42 countries, through 18 subsidiaries and a far-reaching network of agents. The group has four production sites in France, the Netherlands and India and over 1000 employees in total.

PRECIA MOLEN offers a complete range of hopper scales for your load-out operations with weight set point, load-in operations or internal transfers, with flow rates ranging from 10 to 4,000 m³/h. Our ABS are inconstant loads scales, the only category to be certified for commercial transactions, and operate through static standstill weighing, offering a greater accuracy than Continuous weighing while ensuring a constant process flow. Coupled with an I 410 BS system, the ABS hopper scale acts as a Discontinuous totalizer with an accuracy of +/-0.1% – in conformity with class 0.2 MID regulation.

SAVE THE DATES

VICTAM Asia 2018

27 – 29 MARCH 2018 · BANGKOK, THAILAND

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12 – 14 JUNE 2019 · COLOGNE, GERMANY

Gear Driven Pellet Mill from Yemtar

Yemtar is the pioneer of innovations in the feed sector in Turkey. Understand that the most effective and important way of achieving competence and to have a word in this global environment improving science and technology. Therefore, we wanted to add innovation-oriented R&D

activities to the scope of the Yemtar and Balikesir's second, Bandirma's first licensed R&D center was launched in February 2017 and it started its activities which is the first R&D center in Turkey in feed milling.

Our basic function became innovation with the R&D center. In this approach, the

new member of our family is Turkey's first Gear Driven Pellet Press Technology which will now power your production with the most preferred Ø660 series.

With high efficient motor and gear driven technology 96% efficiency, lower energy consumption, and higher production.



Yemtar's Gear Driven Pellet Mill.

Contact information

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Consultants

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12 – 14 June 2019 KoelnMesse, Cologne, Germany



VICTAM International 2019

FIAAP **grapops**



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