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29-31 March
2016

When the doors open at BITEC in Bangkok on the 29th March visitors from all over Asia/Pacific will find exhibition stands full of products and services directly relating to their industry.

As Asia's showpiece event for the animal feed, dry petfood, aquafeed, grain processing, rice & flour milling and biomass pelleting industries these senior industry executives will also see many new products and services that are being launched at the show.

This was also the message at the recently held press conference in Bangkok for FIAAP, VICTAM & GRAPAS Asia 2016: "Sustained growth of the size and influence of the event. Innovations within the event and the continued introduction of new products and services at the showpiece event by the exhibitors".

This theme was echoed by the principal speakers at the press conference in Bangkok: Mr. Pornsil Patchrintanakul – Chairman of the Federation of ASEAN Feed Associations and President of the Thai Feed Mill Association; Mr. Manat Kitprasert – President of the Thai Rice Millers Association; Mr. Henk van de Bunt – General Manager, Victam International BV and Ms. Catelijne de Gooijer – Visitor Promotion and PR Manager, Victam International BV.

Both Mr Pornsil and Mr. Manat said that the Victam exhibitions and conferences had had significant

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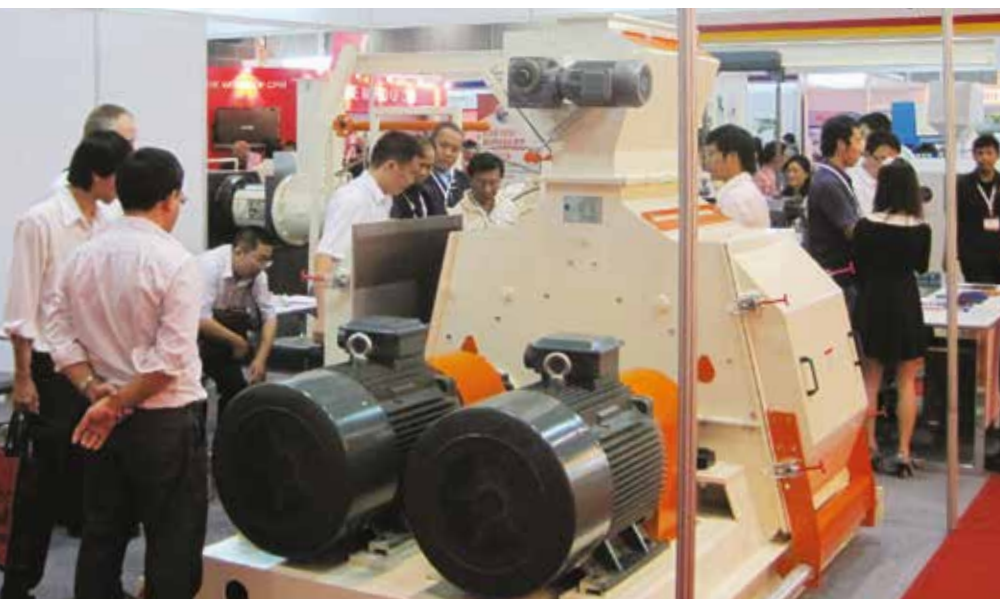
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>> beneficial influences on their industries in Thailand and throughout Asia/Pacific and Southern Asia. The **FIAAP**, **VICTAM** & **GRAPAS** events have now become the showpiece event throughout the region and where the industry meet to see the latest innovations in products and services that were being introduced by the exhibitors at the shows and by the speakers at the many conferences that are held during the event. It is now Asia's foremost event for the feed and grain industries.

Inter-connected shows

Mr van de Bunt explained how the feed ingredient and additive show, **FIAAP** works so well in Bangkok as it relates to the senior industry executives who visit **VICTAM**, their feed processing exhibition.

Also how **VICTAM** relates to the rice and flour milling and grain processing show **GRAPAS**. With these two shows it is the auxiliary equipment such as conveyors, elevators, silos, cooler/dryers, programs and more that are used within feed, flour, rice mills, grain processing plants and biomass plants. Some of the multi-nationals that exhibit at **FIAAP** also produce additives for flour, etc. so here we also have a relationship between **FIAAP** and **GRAPAS**.

He went on to say that over 200 of the world's leading suppliers to the feed and grain industries will be present at the exhibitions that will be held at BITEC, Bangkok for 29 – 31 March in 2016.

Conferences and seminars

Henk also mentioned that during a previous meeting with the Thai Department of Livestock the subject of GMP had been discussed in detail and that the Department was especially pleased that there will be a free seminar for all visitors devoted to this subject on Wednesday, March 30th.

It is not only within the exhibition halls

where you will learn about industry innovations, but also in the conference rooms. Respected industry speakers will address delegates from all over Asia, they too will look at innovations within your industry.

All of the conferences will be held on Level 2 of BITEC. The titles of the conferences are as follows:

1. **Aquafeed Horizons Asia**
2. **FIAAP Animal Nutrition Conference**
3. **Petfood Forum Asia**
4. **Global Milling Conference with GRAPAS Asia**
5. **Biomass Asia**
6. **GMP+ Feed Safety Assurance**

Further detailed information on each of these conferences is contained within comprehensive articles on later pages within this magazine.

During the press conference Mrs de Gooijer, Victam's new Visitor Promotion and PR Manager announced that the **ASEAN Feed Summit** and also the **ASEAN Feed & Rice Symposium** would take place during the 2016 event.

The Summit will be held in closed session for all the Presidents and Secretary Generals of the ASEAN Feed Associations under the Chairmanship of Mr Pornsil Patchrintanakul. The **ASEAN Feed & Rice Symposium** is open to all registered visitors and respected authoritative speakers from the FAO, ADM, International Feed Industry Federation and more will address the audience on a wide range of topics.

Free entry to shows

Ms Catelijne then explained that entry to the shows is free of charge and that the online registration system is now open. All you need to do is go to **www.fiaap.com**, **www.victam.com** or **www.grapas.eu** and click the free visitor registration button and complete the online forms.

Who should visit the event?

The 2016 event is "A PARTNERSHIP IN SYNERGY" because the shows inter-connect.

FIAAP – with animal feed ingredients & additives is directly related to **VICTAM** – with animal feed processing & ancillary equipment. Both shows attract visitors from the feed industry.

There is also a relationship between **VICTAM** and **GRAPAS** – the show for rice & flour milling, grain processing technology & ancillary equipment.

Of course grains of various kinds are used within animal feeds, and much of the ancillary equipment found in a feed mill will also be found in a rice or flour mill. These include – storage systems, conveyors, bagging equipment, automation, computers systems and programs and much more.

This inter-relationship between these sector profiles is a major reason for the event's attraction for mill owners/managers from South and Southeast Asia and beyond.

If you are a:

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- Mill manager • Purchaser
- Nutritionist • Formulator
- Veterinarian • Processor

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- Large livestock farm • Rice mill
- Flour mill • Grain processor
- Grain storage facility
- Port authority • Food processor

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Conference timetable **at-a-glance**

Tuesday 29th March 2016

Rooms 211/212/213

| | |
|---------------|--|
| 08:30 – 09:30 | Registration plus welcome coffee and light breakfast |
| 09:30 – 11:35 | FIAAP Animal Nutrition Conference Asia 2016 |
| 11:35 – 13:00 | Lunch break |
| 13:00 – 15:00 | FIAAP Animal Nutrition Conference Asia 2016 |
| 15:00 – 15:45 | Coffee break |
| 15:45 – 17:05 | FIAAP Animal Nutrition Conference Asia 2016 |

Rooms 214/215

| | |
|---------------|------------------------------------|
| 08:30 – 09:00 | Registration |
| 09:00 – 10:30 | Aquafeed Horizons Asia 2016 |
| 10:30 – 11:00 | Coffee break |
| 11:00 – 13:00 | Aquafeed Horizons Asia 2016 |
| 13:00 – 14:00 | Lunch break |
| 14:00 – 15:00 | Aquafeed Horizons Asia 2016 |
| 15:00 – 15:30 | Coffee break |
| 15:30 – 17:00 | Aquafeed Horizons Asia 2016 |

Rooms 216/217

| | |
|---------------|---|
| 09:30 – 10:00 | Welcome coffee |
| 10:00 – 12:00 | GRAPAS Asia 2016 Session A: Flour Milling – Processing, Quality, Storage & Transportation |
| 12:00 – 13:00 | Lunch break |
| 13:00 – 15:00 | GRAPAS Asia 2016 Session B: Rice Milling – Processing & Handling |
| 15:00 – 15:15 | Coffee break |
| 15:15 – 17:30 | GRAPAS Asia 2016 Session C: Milling Innovation – Technology & Development |

Rooms 220/221

| | |
|---------------|---------------------------|
| 10:30 – 17:30 | Technical seminars |
|---------------|---------------------------|

Wednesday 30th March 2016

Rooms 211/212/213

| | |
|---------------|--|
| 08:30 – 09:30 | Registration plus welcome coffee and light breakfast |
| 09:30 – 11:35 | Petfood Forum Asia 2016 |
| 11:35 – 13:00 | Lunch break |
| 13:00 – 15:00 | Petfood Forum Asia 2016 |
| 15:00 – 15:45 | Coffee break |
| 15:45 – 17:05 | Petfood Forum Asia 2016 |

Rooms 214/215

| | |
|---------------|--|
| 14:00 – 17:00 | 2nd ASEAN Feed & Rice Symposium |
|---------------|--|

Rooms 220/221

| | |
|---------------|-----------------------------------|
| 10:30 – 12:30 | Technical seminars |
| 12:30 – 13:00 | Lunch break |
| 13:00 – 15:00 | GMP+ Feed Safety Assurance |
| 15:00 – 15:40 | Coffee break |
| 15:30 – 17:30 | Technical seminars |

Thursday 31st March 2016

Rooms 211/212

| | |
|---------------|-------------------------------------|
| 09:00 – 10:30 | Biomass Conference Asia 2016 |
| 10:30 – 11:00 | Coffee break |
| 11:00 – 12:30 | Biomass Conference Asia 2016 |
| 12:30 – 13:30 | Lunch break |
| 13:30 – 14:30 | Biomass Conference Asia 2016 |
| 14:30 – 15:00 | Coffee break |
| 15:00 – 16:00 | Biomass Conference Asia 2016 |

Rooms 214/215

| | |
|---------------|---|
| 09:30 – 10:45 | 2nd ASEAN Feed Summit (Closed session) |
| 10:45 – 11:00 | Coffee break |
| 11:00 – 12:30 | 2nd ASEAN Feed Summit (Closed session) |

Rooms 220/221

| | |
|---------------|---------------------------|
| 10:30 – 15:30 | Technical seminars |
|---------------|---------------------------|

Timings may be subject to change



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FIAAP Animal Nutrition Conference

From information on industry trends, antibiotic alternatives and feed additives to overcoming regulatory hurdles, this conference will highlight profitable answers for today's poultry & swine feeding challenges. By Terrence O'Keefe.

at-a-glance

Date: March 29, 2016

Time: 9:30am – 5:10pm

Location: BITEC, Bangkok, Thailand

Amenities: Coffee breaks and lunch will be provided

About: The 7th FIAAP Conference is held in conjunction with VICTAM Asia

Website: www.fiaap-conferences.com

The demand for animal protein in Asia continues to grow along with the disposable incomes of its consumers. Meeting this growing demand in a marketplace that is more concerned than ever about how poultry and livestock are raised and fed creates new challenges for producers.

The 2016 FIAAP Animal Nutrition Conference will kick off with an exclusive sneak peek at *Feed International's* World Feed Panorama, the publication's annual survey of global compound feed production volumes. Jackie Roembke, editor of *Feed International* magazine, will present a look at the drivers behind 2015's biggest gains and losses in feed production. The 2015 results to this overview revealed some interesting trends worldwide – but especially in Asia.

To develop the technical conference, WATT Global Media's *Feed International* called on researchers, companies and organizations to submit their most compelling findings. From the dozens of abstract submissions, the technical portion of the FIAAP Animal Nutrition Conference has been narrowed down to 10 sessions. The following is an overview of the event's program.

Alternatives to antibiotics in feed

Concerns over antibiotic resistance in human medicine has fuelled concern over antibiotic use in food producing animals. Presentations on reductions in antibiotic use – as well as some antibiotic alternatives for both poultry and swine – will be highlighted during the conference.

Over the past 13 years, the EU has significantly lowered its antibiotic use in livestock production through the use of alternative feed additives. As the issue

gains momentum in many other areas of the world, governments and retailers are putting reduction programs in place.

Dominique Chavette, international poultry market manager, Invivo NSA, discusses how livestock and feed producers can prepare for future antibiotic reduction programs.

Post-weaning is a key period in a piglet's life with a decisive impact on fattening profitability, but it is also the most stressful stage. Such stress often leads to health disorders; a substantial use of antibiotics; and an increased production cost. Properly filling the piglet's nutritional needs is the first criterion to meet when looking to maximize its growth and secure its health while reducing antibiotics usage. Laurent Roger, head of swine department, CCPA Group discusses how post-weaning oxidative and inflammation stresses lead to physiological reactions and require very specific formulation needs. This talk evaluates the effects of those stresses and determines

how they can be controlled through a specific feeding strategy.

Dr. Elias Hossain's research indicates that the addition of probiotics and green tea in broiler diets can serve as antibiotic alternatives while achieving similar desired effects. His work at Bangladesh Agricultural University found improved growth parameters, internal organs changes and reduced microbial population.

Lars Sangill Andersen, nutritionist, Hamlet Protein A/S, will examine the methods behind the success of Danish nutritionists in eliminating antibiotic growth promoters (AGP) from piglet diets. Outlining feed formulation challenges, Andersen will discuss the options available to achieve similar results that producer's experience with AGPs through the use of zinc and zinc oxide.

Dr. Srijit Tripathi, senior product executive – exports, Ayurvet Limited, will discuss the role polyherbals can play in replacing antibiotics in poultry rations. ➤➤



His presentation explores the use of polyherbals as natural growth promoters against antibiotics in feed formulations and how they can be used to improve food safety and hygienic poultry production.

Feed ingredients offer cost-effective solutions

According to recent research, soluble fibre contributes negatively to wet litter issues and behavioural disorders in poultry operations. In contrast, insoluble fibre has a positive impact in these areas and contributes to improved layer and broiler performance. A potential explanation for these positive observations is related to the effect of insoluble fibre on gizzard size and digesta viscosity. Manfred Pietsch, JRS Business Unit Animal Nutrition, examines recent findings on this topic – as well as stress-related symptoms – and their influence on broiler breeders.

Energy and amino acids are the two nutrients with highest contribution to the price of broiler feed. Nowadays, amino acid intake seems to lead broiler performance but the effect varies according to the dietary energy level. Jonde los Mozos, poultry researcher, Trouw Nutrition, discusses how modelling broiler performance based on variations of these key nutrients could help

the nutritionist optimize feeding programs based on business margins.

The benefits of spray-dried plasma (SDP) in the feed of young pigs is well known. Nevertheless some producers became reluctant to apply plasma due to concerns about virus safety. Dr. Lourens Heres, technical support manager, Sonac, will explore the research surrounding the different processing steps found to kill an entire range of relevant viruses.

Dr. Choi Siyeong, regional technical manager – swine, BIOMIN Singapore, presents research on the impact of supplementation of diets of growing/finishing pigs with phytogenic feed additives (PFA). Overall, the supplementation of a PFA improved the performance of pigs and a protein reduction in the diet has been efficiently compensated for through the supplementation of PFA.

Overcoming regulatory hurdles in Asia

In Asia, an ever-increasing demand for animal protein products presents a great challenge. Feed technology can improve the efficiency of animal protein production and thus help to limit environmental impact of livestock production. Cargill's Thaddeo A. Sookcharoen's presentation will offer insight

into obtaining access to these markets while facing the diversity of regulatory requirements across the Asia region.

About FIAAP

FIAAP exhibitions and conferences cover the ingredients and additives used within the formulation of animal feeds and are attended by senior executives from all over the world. The conference is geared toward the interests of nutritionists, veterinarians, feed formulators, CEOs, feed mills directors, integrators, co-operatives, hatcheries, etc.

The 7th annual FIAAP Animal Nutrition Conference will take place March 29, 2016 in Bangkok, Thailand, and will be co-located with VICTAM Asia together with Aquafeed Horizons Conference and Petfood Forum Asia. The 2016 VICTAM Asia event combines the FIAAP, VICTAM and GRAPAS exhibitions (and their respective conferences) under one roof at Bangkok International Trade & Exhibition Centre (BITEC) in Bangkok, Thailand, March 29 – 31.

Registration details

For more information or to register for the FIAAP Animal Nutrition Conference, visit www.fiaap-conferences.com

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Aquafeed Horizons Asia

Implications for incorporation of non-traditional ingredients a uniting theme for Aquafeed conference.

The 9th Aquafeed Horizons Asia will take place March 29th, 2016 at the BITEC, on the first day of the FIAAP/VICTAM/GRAPAS Asia 2016 shows. The conference is designed for commercial aquaculture feed manufacturers and others wanting to learn about the latest formulation and processing solutions available for producing aquatic feeds.

Fishmeal substitution and a general trend towards plant-based feed ingredients will drive the agenda for the 2016 meeting: the implications of these changes in traditional diets for both processors and formulators will be explored by an international line-up of experts from industry and applied science.

Organisers and registration details

Aquafeed Horizons Asia is organised by *Aquafeed.com*, the aquaculture feed information resource since 1998, offering free websites, magazines and newsletters in support of the industry, as well as conferences, workshops and technical consulting.

Online pre-registration is required for a secure place. More information and registration at: feedconferences.com

Conference Program

Interactions of extrusion and ingredients for aquatic feeds

Joseph P. Kearns, Vice President Aqua-Feed Div., Wenger Manufacturing, Inc., USA

Durable sinking fish feed with low starch formulations and an example with insect meal as alternative protein

Urs Wüst, Product Management Aquafeed & Petfood, Business Unit Nutrition, Bühler AG, Switzerland

Process control in aquafeed production

Olafur H Jonsson, Managing Director, Tovalia sarl, France

Pre-processing of feedstuffs to improve their feeding value for aquaculture feeds

Dr. Dominique P. Bureau, Professor, University of Guelph, Canada

Feed for the future: The challenges and opportunities for a better and sustainable aquaculture industry

Dr. M A Kabir Chowdhury, Global Product Manager – Aquaculture, Jefe Nutrition Inc., Canada

Advances in amino acid nutrition of shrimp

Dr. Alexandros Samartzis, Regional Technical Sales Manager, Evonik (SEA), Singapore

GART as a platform to investigate disease control strategies against AHPND/EMS in shrimp

Dr. ir. Margriet Drouillon, Business Developer Aqua, University of Ghent, Belgium

Effect of an algo-clay based biocatalyst on the digestive and growth performance of juvenile shrimp (*Litopenaeus vannamei*)

Maarten Jay van Schoonhoven, Aqua BU manager, Olmix, France

Functional feeds: Bad bug busters to reduce the impact from disease in farmed fish and shrimp

Dr. Peter Coutteau, Business Unit Manager – Aquaculture, Nutriad International NV, Belgium

Plant extracts in aquaculture feeds: From modes of action to practical application

Clementine Oguey, Aqua Product Expert, PANCOSMA & Associates, Switzerland

Global Milling Conference with GRAPAS Asia

Two-thirds of all exhibitors at the upcoming VICTAM/FIAAP/GRAPAS Asia 2016 exhibitions, co-located at the BITEC in Bangkok, Thailand, from March 29 – 31, 2016, have registered products for display under the GRAPAS – or milling – banner.

GRAPAS, which represents the grain (flour), rice and pasta milling sectors of our industry, is gaining much greater recognition in its own right among exhibitors. Twenty-five percent of exhibitors are displaying products and services for the FIAAP side of the exhibition.

"While many exhibitors still refer to the event as VICTAM Asia, it is clear from their product line-up that they are also exhibiting to millers," Henk van de Bunt, the CEO of Victam International which is responsible for hosting the co-located events, told the GRAPAS Conference organizer Roger Gilbert of *Milling and Grain* magazine.

The GRAPAS Asia Conference is an important activity that is helping to develop the milling focus for the whole event, he added.

It will be the fourth time *Milling and Grain* – formerly known as *Grain and Feed Milling Technology* magazine – will be hosting the event on behalf of the exhibition organizers.

"At this event we are firmly supporting the development of a one-day conference for flour, rice and pasta millers and all those involved in these sectors," says Mr. Gilbert.

"We have made several trips to countries in Asia this year, including Thailand,

Indonesia, Taiwan, China, The Philippines and the Middle East, and have been promoting this one-day conference as a unique meeting point for millers throughout the region," he adds.

"It is obvious to us that there is little opportunity for millers, particularly rice and flour millers, to meet. The GRAPAS event provides an ideal venue and is easy for all countries throughout the region to meet.

"Many of Asia's largest cities are congested, by with Bangkok's 'Skytrain' travelling from the city to the exhibition area at BITEC is easy and comfortable."

The aims of the conference

Keeping firmly in mind the need to provide information and new ideas in a timely and efficient way, the 2016 Global Milling & GRAPAS Conference Asia will be held on the first day of the exhibition – Tuesday, March 29, 2016 from 10:00-17:00 – in three parts; one morning and two afternoon sessions.

"What awaits millers on their arrival at the exhibition on the first day, is a conference programme that should fit with their busy schedule," says Mr. Gilbert.

"We have again split the conference into three separate sessions focusing on food, flour and rice, from the control of raw material and product quality at each step of the milling process. This format will make it easier for attendees to step in and out of the conference to suit their needs on what will be a busy show day," says organiser Roger Gilbert.

"Our sessions will focus on three area of rice, flour and innovation," he adds.

"We will have an opening presentation to set the scene from Thailand's point of view and will focus on rice and rice quality developments for millers."

The three sessions will cover:

Session A: Flour Milling – Processing, Quality, Storage & Transportation

Session B: Rice Milling – Processing and Handling

Session C: Milling Innovation – Technology & Development

The range of topics being addressed by the programme include:

- Sustainable and energy efficient milling systems
- Storing rice to protect its quality
- Efficient milling – premium end products



- Extrusion technology – processing rice
- Organic rice – rice products for a healthy life
- New analytical methods for rice and flour
- Colour sorting – the full benefits and what cost
- Plant solutions – from grain to noodles and pasta
- Rice and flour fortification - the cost of implementation

The detail

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

There is a participation fee of US\$10/person: registering can be made on spot in either US\$ or equivalent currencies or in advance, online at www.gfmt.co.uk/grapas.

"We are expecting between 100 – 200 delegates over the course of the day. We would prefer delegates to sign up online before attending so that we can prepare name badges and an information pack.

"We will be offering the first 50 who sign up a free copy of our 2016 *International Milling and Grain Directory* that has just been published. All of the first 100

attendees who register online will receive a complimentary 12-month subscription to *Milling and Grain*" he adds.

There will be an opportunity for attendees to meet with speakers and other delegates during the coffee breaks.

Pre-registered attendees will receive a 'Certificate of Attendance' at the end of the day.

The background

GRAPAS, the exhibition hosted by Victam International, runs alongside its VICTAM and FIAAP exhibitions in Bangkok, Thailand (from March 29 – 31, 2016) at the Bangkok International Trade and Exhibition Centre (BITEC). Perendale Publishers Limited – the publishers of the *International Milling Directory* and the long-standing *Milling and Grain* magazine – is the chosen patron of the GRAPAS Conference and the sponsor of the 2016 GRAPAS Awards.

Our sponsors

The GRAPAS Conference Asia organisers would like to thank the generosity of sponsors who have supported the event in the past and are again supporting the 2016 event. They include: Muiyang, China; Texas A&M, USA; Bühler Group, Switzerland; Amandus Khal, Germany; Silos Cordoba,

Spain; Perten, Sweden; Agentis Innovations, Thailand; the Marketing Organisation for Thai Farmers; Thai Rice Millers Association and the Ministry of Agriculture, Thailand.

Don't forget

A large number of companies at the VICTAM/FIAAP/GRAPAS co-located exhibition will be exhibiting the essential ancillary equipment that is so necessary for the smooth operation of a flour mills and rice mills.

GRAPAS also covers, in addition to grain processing, storage and transportation plus flour and rice milling technologies, as well as, pasta, breakfast cereal and extruded snack production.

GRAPAS also displays ancillary equipment that is found within a mill, but its main coverage is for specialist systems and technology used within rice & flour mills, together with additional exhibits for grain storage, preservation and transportation. The show also profiles noodle, breakfast cereals and extruded snack production.

"Guaranteeing food safety and food availability through the greater use of technology in the milling process in food, flour and rice processing," is our key objective," Mr Gilbert concludes.



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Petfood Forum Asia

Frank Yiannas (*pictured right*), vice president of food safety for Walmart, headlines roster of expert speakers for exclusive pet food conference on 30th March 2016.



Frank Yiannas, Walmart's vice president of food safety, will be the opening speaker for Petfood Forum Asia 2016. After his presentation on developing a food safety culture, other industry experts will share their latest research and insights on the dynamic Asia pet food market, pet nutrition and pet food ingredients, safety and processing.

During Petfood Forum Asia, now in its fifth edition, participants will enjoy valuable networking opportunities with peers from throughout Southeast Asia and the world.

With countries in Asia such as Thailand, China, South Korea and Taiwan among the fastest growing pet care markets globally, and Japan one of the largest pet care markets, this region is important and attractive to pet food businesses and professionals. Petfood Forum Asia 2016 offers a unique chance to learn about the region and how to join in its growth.



Above: At Petfood Forum Asia, industry experts will share their latest research and insights on the dynamic Asia pet food market, pet nutrition and pet food ingredients, safety and processing.

Petfood Forum Asia updates

Complete details plus registration savings:
www.petfoodforumevents.com

Asia-Pacific pet food market

www.petfoodindustry.com/articles/5079

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 with coffee and light breakfast**

09:30 – 10:15 **Opening session: Why pet food manufacturers should develop a food safety culture**

Frank Yiannas, vice president of Food Safety for Walmart Inc., discusses his work with behaviour-based food safety, how pet food companies can adopt these principles and why they should.

10:15 – 10:55 **Pet food dynamics: update on the global and Asian markets**

Mariko Takemura, lead analyst for Euromonitor International, addresses developments in the dynamic, rapidly growing Asian pet food market, as well as globally, focusing on current market trends and future prospects.

10:55 – 11:35 **What's bugs got to do with it? Understanding the relevance of changes in GI microbes for pet health**

Emma Bermingham, PhD, senior scientist with AgResearch Ltd., shares research that has, for the first time, integrated intestinal microbiota with physiological parameters in carnivores, helping to gain better insight into the effects of diet on pet health.

11:35 – 13:00 **Lunch**

13:00 – 13:40 **Fish-based ingredients for pet food manufacturing**

Andrew Mallison, general director of IFFO Ltd., provides an update, with global production and market data, on the impact of developments in fisheries management, oceanographic monitoring, environmental sustainability certification, long-chain omega-3 fats and social standards.

13:40 – 14:20 **Drivers of liking of dry dog food appearance: Thai consumers**

Kadri Koppel, PhD, assistant professor for Kansas State University's Department of Human Nutrition, offers results of a study to determine the shape, size and colour of dry dog food that Thai consumers prefer and how that compares to data from Poland and the US.

14:20 – 15:00 **From birth to bowl: the life of a tasty and safe pet food**

Isabelle Guiller, global research and innovation director for Diana Pet Food, explains how to identify relevant indicators of pet food palatability, freshness and safety, based on results of several complementary studies. The research can help define safe, good practices to follow during the manufacturing process.

15:00 – 15:45 **Coffee break**

15:45 – 16:25 **Automating critical tasks in pet food production**

Galen Rokey, director of process technology for Wenger Manufacturing's Companion Animal Division, discusses disruptive innovations that pet food manufacturers can use to automate previously manual tasks, helping eliminate variation in processes and product, and speed up sampling and testing times.

16:25 – 17:05 **Optimum vitamin nutrition for dogs and cats**

Jeff Alix, global pet nutrition marketing manager for DSM Nutritional Products, explores recent searches into published and unpublished data to identify true optimum vitamin fortification levels needed to support the optimum health and well-being of dogs and cats.

GMP+ Feed Safety Assurance Certification

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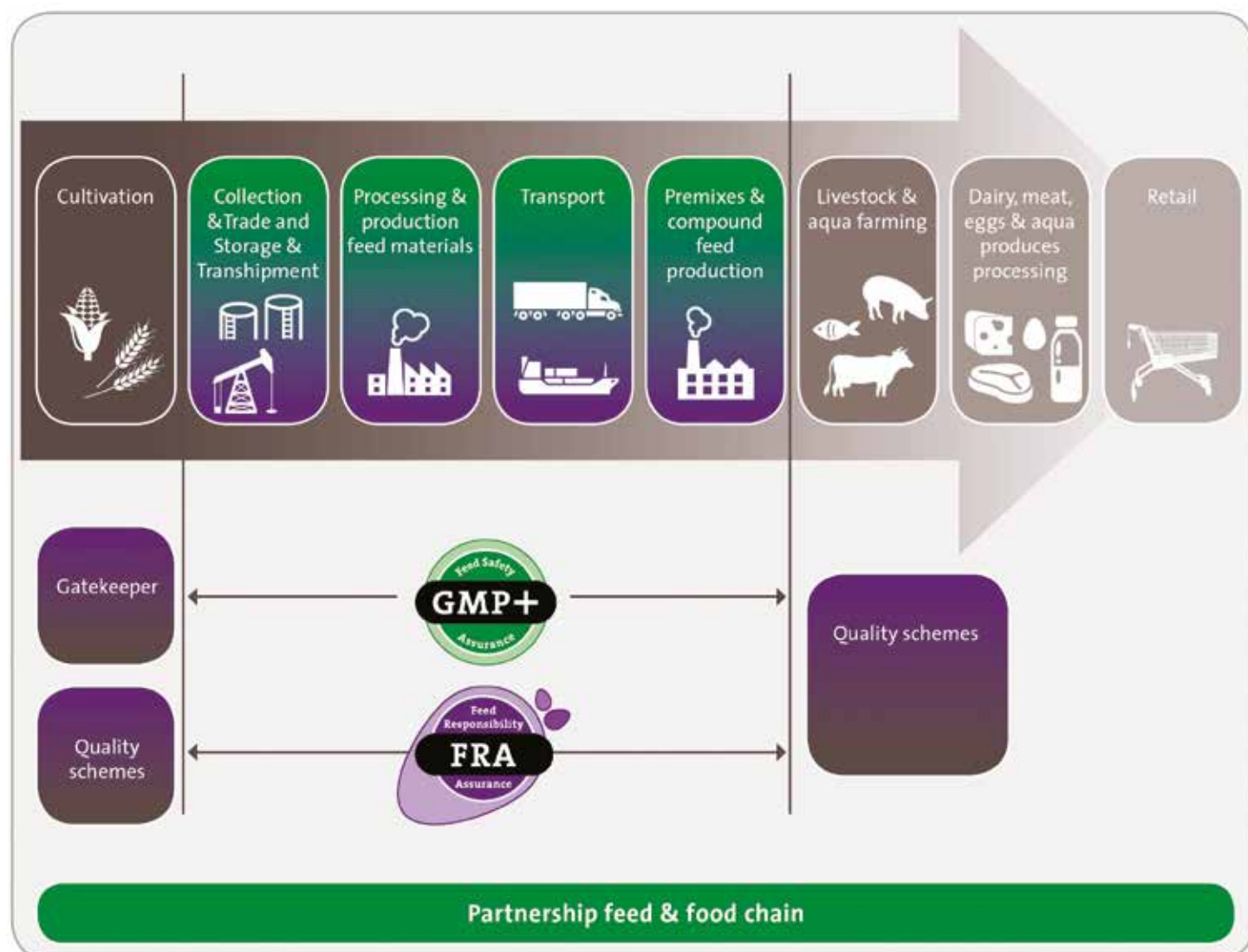
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International is a leading global player in the market of feed safety assurance certification. A GMP+ certificate provides an additional qualitative guarantee for every entrepreneur dealing with the international feed industry.

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Join us during VICTAM Asia on March 30th 2016. For more information and registration, check our website:

www.gmpplus.org and go to **seminars**.



Whilst the European Union (EU) is currently the largest consumer and producer of wood pellets, North America is soon expected to become the largest producer. South East Asia on the other hand is rapidly emerging as a significant market for industrial grade biomass pellets already accounting for 10 percent of global pellet demand.



Meeting demand for biomass pellets

South East Asia (SEA) is fast becoming a destination for traded biomass pellets, in particular South Korea and Japan. Projections from forest industry consultants Pöyry Consulting suggest that the demand in SEA for biomass pellets could over double that of 2014 to reach around 10 million tonnes by 2025.

Key drivers for these forecasts are the various renewable energy policies that are in place designed to stimulate the increased use of biomass.

Fast but volatile

South Korea is currently the largest pellet market in the region with the Renewable Portfolio Standard (RPS) requiring Korean power generating companies (genco's) to reach 4 percent renewable power by 2015 and 10 percent by 2022.

For several genco's the option has been to co-fire imported industrial grade pellets, including EFB-pellets, with coal. In 2014 the country imported almost 1.9 million tonnes of which 75 percent came from within the region (Vietnam, China, Malaysia, Thailand, Indonesia and Japan). This represents remarkable growth given that imports in 2012 were just shy of 125 000 tonnes.

Supply has been facilitated by spot contracts awarded through a tender process instead of longer off-take agreements. Future growth is however constrained by a 30 percent cap on the share of the RPS that can be met using

biomass and whilst demand has declined to around 1.3 million tonnes 2015, it is expected to least double to around 2.7 million tonnes by 2020.

Slow but steady

Since the Fukushima tsunami disaster in March 2011, Japan has been fast-tracking its renewable energy portfolio setting a renewable energy target of between 25 percent and 35 percent of total power generation by 2030.

One key policy component for Japanese power utilities is a feed-in tariff (FIT) programme. This programme obligates utilities to purchase power generated from renewable energy at a fixed price for a fixed period of time, currently 20 years.

The FIT rates are determined every fiscal year, April 1 – March 31, and are stimulating investments in both new dedicated biomass power plant projects as well as co-firing in existing coal-fired plants. Although Japan is a forest rich country, like Korea it too has limited own production of wood pellets relying instead on imports.

Pellet imports to Japan thus far have been very modest climbing from around 70 000 tonnes in 2012 to just under 100 000 tonnes in 2014. However unlike Korean counterparts, Japanese utilities prefer long-term off-take agreements, typically ten years with a fixed price with a simple annual escalator.

The big unknown

For China, the world's largest energy market and the world's largest coal consumer, the situation is less clear and more complex. The government has set a target of 15 percent energy from renewable sources including a sub-target of 30 GW installed biomass power capacity by 2020.

Furthermore the Action Plan on Prevention and Control of Air Pollution issued by the China State Council in 2013, aims to replace some 450 000 coal-fired boilers with alternative sources such as biomass whereas the National Energy Administration (NEA) is rumoured to set a more ambitious target in its 13th five-year development plan for biomass energy – to use up to 50 million tonnes of wood pellets and biomass briquettes by 2020.

The majority of these biomass fuels are to be produced in China. If so it is a herculean undertaking; the global wood pellet production is currently about 28 million tonnes per annum, China's own production is estimated to be somewhere between 300 000 and 800 000 tonnes and only a symbolic volume of wood pellets, less than 10 000 tonnes, were imported 2014.

Be all that as it may, clear is that the demand for biomass fuels in the region will continue to increase suggesting ample investment opportunities for those with suitable biomass residue streams in the wood, feed, grain or palm oil industries for the production of industrial grade pellets.

When it Comes to Food Safety Carefully Choose What Side of the Road to Travel



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Victam celebrating 25 years in Asia

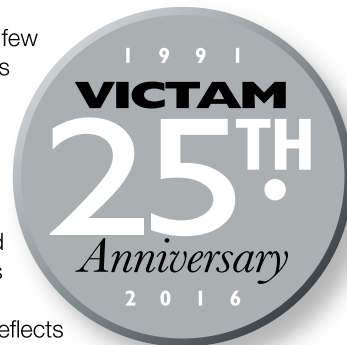
Victam to celebrate their 25th anniversary of events in Asia during the 2016 show.

The first Victam show was in an hotel car park and now it has progressed to the magnificent, modern, air conditioned halls in BITEC in Bangkok.

The shows have grown from a few hundred m² in 1991 to thousands of m² in 2016 and that will now be the largest Victam show in Asia. Originally there were about 80 small exhibition stands, now it has grown to well over 200 exhibitors from all over the world and many with very large stands full of equipment and staff.

This was to be expected as it reflects the incredible growth of the feed and grain industries throughout the Asia/Pacific region over this period and in the future, this is also reflected in the growth of both the shows and the supporting conferences.

Victam will be organising a number of celebratory events during the show period.



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Innovation Awards 2016

Aquafeed Innovation Award

At each FIAAP/VICTAM/GRAPAS trade show, *Aquafeed.com*, the information resource for the worldwide aquaculture feed industry, looks forward to seeing what new ingredients and technology the exhibitors have to offer the aquaculture feed industry.

Aquaculture is a relatively new part of the feed industry: it is exciting, complex and rapidly evolving. Aquafeed advances are often led by the engineers and scientists in the nutrition and machinery companies. Their contribution to the development of the world's fastest growing feed segment is significant. *Aquafeed.com* recognizes and honours the valuable contribution that these companies make with the Aquafeed Innovation Award.

This prestigious award is presented to an exhibitor at FIAAP/VICTAM/GRAPAS. Winners have included Wenger, Geelen Counterflow and Dr. Eckel. In 2015, it was the iScan IM from Tovalia Intelscan of France, that impressed the panel of judges. This product measures exact density of individual extruded pellets, provides online

and continuous measurements of the pellet size to monitor the performance of the extruder and even the shininess of the pellets to determine oil absorption. The system had already proved its performance in the aquaculture industry as it has been used to measure and count live salmon fry as they are pumped rapidly from one tank to another.

Visitors to FIAAP/VICTAM/GRAPAS Asia 2016 can hear the managing director of Tovalia, Olafur Jonsson speak at the *Aquafeed.com* conference, Aquafeed Horizons Asia, taking place on the first day of the trade show.

"If you have a product on show at FIAAP/VICTAM/GRAPAS Asia 2016 that creates significant benefit to the manufacture of aquafeed in terms of innovation, efficiency, profitability, safety or sustainability that was introduced to the market after 1st January 2014, we want to hear about it", *Aquafeed.com* publisher, Suzi Dominy said. "Fill out the form in the exhibitor manual as soon as possible – the cut off is 15th January 2016".



All About Feed Innovation Award

All About Feed, in association with Victam, is again organising the prestigious animal nutrition award (pictured above). We invite companies to send in their innovations that made an impact on the world of animal nutrition and ingredients. The entries will be ranked on their relevance and value to the feed industry. The winner of this award will be granted to the most striking innovations on show at FIAAP & VICTAM Asia 2016, held 29 – 31 March in Bangkok, Thailand. All nominations will be named on the website of *All About Feed*. All entries are subject to the utmost confidentiality until publication.

Companies can send in their feed ingredient and/or feedstuff and/or nutrition technology for animal feed and/or petfood before February 1st 2016. To participate in this contest, the innovation or new product has to be: introduced to the market after 1st January 2014; a contribution to the industry; of high practical value and your company has to be present at the show with a booth.

At the last FIAAP & VICTAM Asia in 2014, Biomim was the big winner with their product Fuzyme®, the first purified enzyme used to detoxify mycotoxins in animals and was successfully introduced to the Asian market in March 2013. At the VICTAM International 2015, the award went to Adifo for their new concept: One tool – MultiModel – MultiSpecies.

All About Feed is part of Reed Business Information and we are also present with a booth and internet café at VICTAM Asia. We are looking forward to meeting you there. As multi media experts we know



Olafur Jonsson, managing director of Tovalia, with the 2015 Aquafeed Innovation Award.

that to reach your target audience in the International Agri Industry market, you need the right combination of media, access to your target market, timing and creativity.

Reed Business Information is the right partner, with well-known brands as *All About Feed*, *Dairy Global*, *Pig Progress* and *World Poultry*. At VICTAM Asia, our skilled team of editors and account managers will be present to discuss the options for your business and to make your communication plan a successful one.

For more information about the brands and to contact us directly, please visit www.rbiagri.net.

The GRAPAS Innovation Award

Over the past few years, between the FIAAP/VICTAM/GRAPAS Asia and FIAAP/VICTAM/GRAPAS exhibitions in Europe, the GRAPAS Innovation Award has struck a chord with exhibitors from all three sectors of the milling industry.

Aimed at developments for the milling of flour, rice and cereals industries, the GRAPAS Innovation Award has identified a range of products that all those working in the milling sector should be informed about.

Just last year in Europe, the GRAPAS Innovation Award was won jointly by Bühler for its Antares Plus Rollermill and

Alapala for its Similago II Rollermill (see: http://issuu.com/gfmt/docs/mag1507_w1).

The runner-up was FH Schule Muehlenbau GmbH for its Drum Groat Cutter TGS for processing oats which is gaining in importance as the merits of this cereals and becoming better understood.

In the group of closely fought positions behind the runner-up was 'highly-commended' DSL Systems Ltd for its OEE4 Feed/OEE4 Flour remote plant monitoring system.

Commended was CPM Europe BV for its new hammer mill and its evolutionary design; IVS Dosing Technology for its POWLI Enzymes and other micro-components in liquid form for increasing processing efficiencies; EnviroLogix Inc for its DNable Salmonella Rapid Screening Kit to identify problems with materials rapidly; Tavolia Intelscan Sarl for its pellet cooler optimization and the economic benefit it provides and finally The Dutch Milling Technology International BV for its Pellet Mill 850-250 and the innovative advances in several respects.

Two years ago, GRAPAS Asia awarded its innovation award to 4B Braime Elevator Components for its Hazardmon.com (pictured above right), a dust explosion systems that takes real time condition



monitoring of equipment faults to a new level (see: <http://bit.ly/1PfZtmC>).

Bühler was runner-up with the 'highly-commended' Combistoner for cleaning grain prior to milling followed by Morillon SAS with its Super SHG Hydrascrew which discharges bulk materials that have poor flow characteristics.

Milling and Grain (and the *International Milling and Grain Directory*) which sponsors the award is calling for applications from exhibitors attending GRAPAS Asia 2016.

The application form is to be found with the exhibitors' handbook which can be reached by logging on to the following websites: www.fiaap.com, www.victam.com or www.grapas.eu

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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 show

Ground level

FIAAP/VICTAM/GRAPAS exhibitions and Victam information stand (lobby).

Level two

Conferences, technical seminars, the ASEAN Symposium and Summit.

Accessing BITEC

The centre is accessible via 3 entrances : 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, 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 á 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.

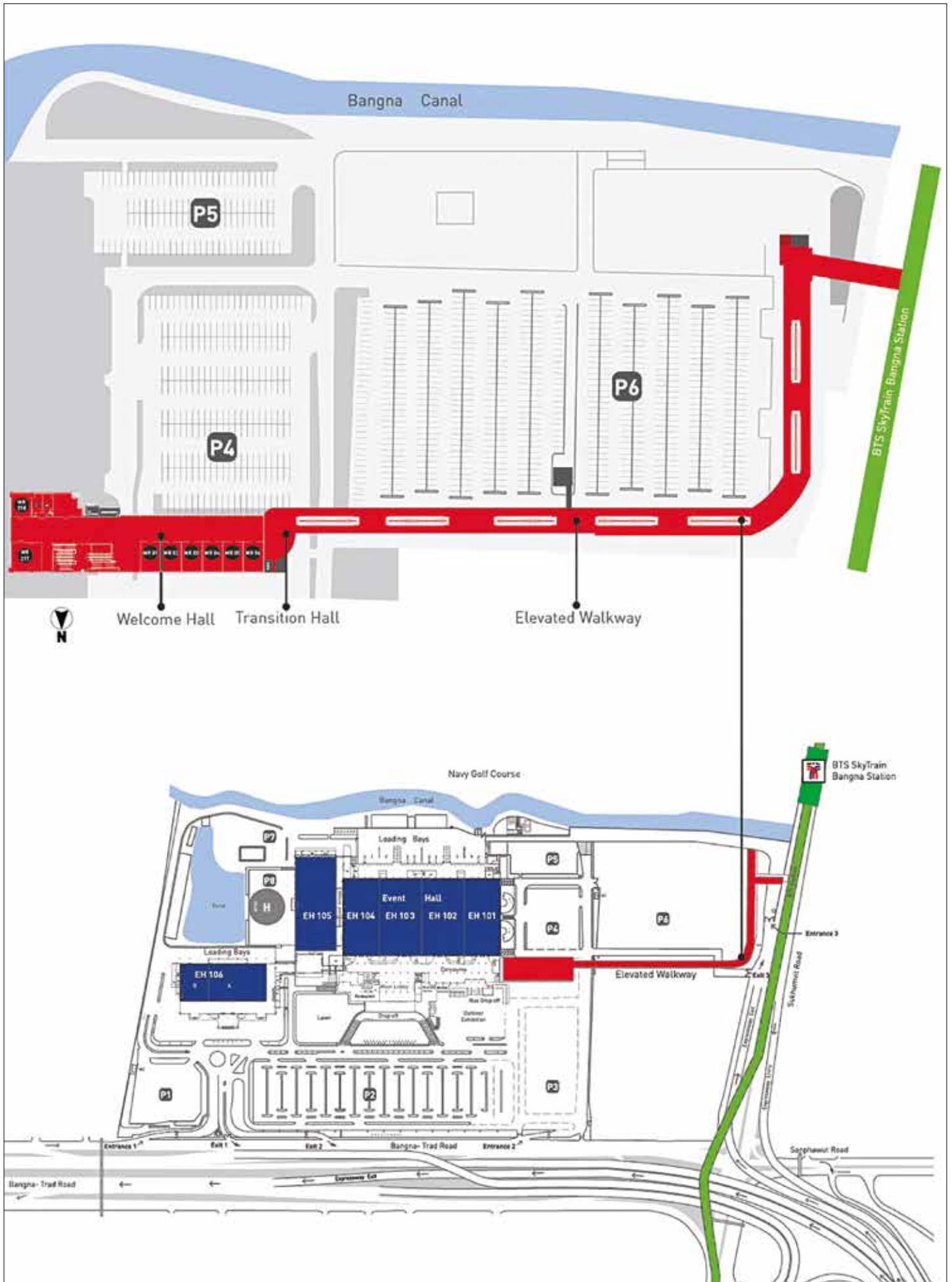
Internet bistro featuring trendy sandwiches, crispy salads and desserts prepared by our chefs in the show kitchen.

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.
www.bitec.co.th



Bangkok is the political, economic, cultural, culinary, and spiritual capital of Thailand, and features both old-world charm and modern convenience, at times served up in an apparently chaotic manner, but always with a gracious smile.

All about Bangkok

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 Bangkok contains, from exotic temples, which underscore Thailand's strong Buddhist history, to modern shopping malls.

Whilst in Bangkok try to visit Thailand's Grand Palace (*pictured right*), 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, which was home of the first Thai massage school in the kingdom.

These iconic destinations are top attractions to all visitors who travel to Bangkok looking to appreciate Thailand's unique cultural traditions. In fact, there are more than 400 functioning Buddhist temples throughout the city and it's not uncommon when you travel in Bangkok to spot saffron robed monks collecting





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morning alms or travelling throughout out the city, including along the Chao Phraya, the "River of Kings", which passes alongside the Temple of the Dawn.

The winding Chao Phraya is connected by numerous canals from which Bangkok has earned its nickname the 'Venice of the East'; 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.

Beyond Bangkok's historical district, there are plenty of other attractions that make a Bangkok visit both enjoyable and memorable. The downtown districts along Silom and Sukhumvit Roads have a convenient electric rail system, including an elevated sky-train and underground subway that have made travel in Bangkok both easy and enjoyable. Connecting hotels directly to shopping malls and traditional markets, such as Mah Boon Krong Centre and Chatuchak (JJ) weekend market, the MRT and BTS systems have literally elevated Bangkok shopping to world-class status.

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 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.

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 |

Do you need a visa? Visit:
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THE EXHIBITIONS AND CONFERENCES

29 – 31 March 2016 · Bangkok International Trade & Exhibition Centre (BITEC), 88 Bangna-Trad Road (Km.1), Bangna, Bangkok 10260, Thailand

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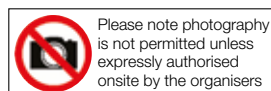
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Thai Rice Associations
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Thailand Convention & Exhibition Bureau



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ACCOMMODATION AND LOCAL TRAVEL

A number of local superior hotels have been selected to accommodate visitors and conference delegates. These hotels will be offering preferential accommodation rates, including daily international buffet breakfast, and are in the bustling downtown area of Bangkok.

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

Further information:

For hotel reservation forms or more information on accommodation and a map of downtown Bangkok, please visit our websites: www.fiaap.com, www.victam.com or www.grapas.eu





FREE VISITOR ENTRANCE

To obtain your **free** exhibition visitor entrance badge visit www.fiaap.com or www.victam.com or www.grapas.eu and select 'Visitor Registration'. Complete the form and we will send you, by return email, a visitor confirmation.

This confirmation **must** be brought to the show and exchanged at the Visitor Pre-registration desks for your free entrance badge. The badge is valid for all three days and for each of the exhibitions.

To avoid disappointment, please arrange for visas early.



Exhibition opening hours

Tuesday 29 March 2016

10.00 – 18.00

Wednesday 30 March 2016

10.00 – 18.00

Thursday 31 March 2016

10.00 – 16.00



Please note visitor registration closes at 14.00 on Thursday 31 March



THE CONFERENCES

Conferences for 2016:

1. The Global Milling Conference with GRAPAS Asia 2016
2. The FIAAP Animal Nutrition Conference 2016
3. Petfood Forum Asia 2016
4. Aquafeed Horizons 2016
5. Biomass Asia Conference 2016
6. GMP+ Feed Safety Assurance

Plus: A number of the exhibitors will present a series of technical seminars. **Admittance is free of charge to all registered visitors.**

The ASEAN Feed & Rice Symposium

A high ranking symposium will evaluate the industries within the ASEAN Economic Bloc that we serve.



Admittance is free of charge to all registered visitors.

Further information:

Full conference and symposium programmes and registration details are also available on the following websites:

www.fiaap.com or www.victam.com or www.grapas.eu



THE EXHIBITIONS

A current list of exhibitors at the trade shows can be found on the websites shown below.

For further information on these exhibitions and other events organised by VICTAM International please email us at:

expo@victam.com or visit the following websites:

FIAAP Asia 2016: www.fiaap.com

VICTAM Asia 2016: www.victam.com

GRAPAS Asia 2016: www.grapas.eu



Exhibitor Previews

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

4B Asia Pacific

A market leader in the field of bucket elevator components, 4B will be showing their range of elevator belts, bolts and buckets, including the new JUMBO CC-S ultra heavy duty elevator bucket.

Also on display will be 4B's drop forged conveyor chains – including the popular Bolt 'n' Go system – which uses bolt-on flights instead of welding.

4B's electronic monitoring equipment for bucket elevators and conveyors includes bearing temperature sensors, belt misalignment sensors, (under)speed switches, level/choke switches and combined monitoring systems.

NEW: 4B's SpeedMaster with Pulse Pilot device provides independent, real-time verification of an entire speed monitoring system to ensure that alarms and shutdowns are working as expected

Adifo NV

Thousands of users all around the globe rely on BESTMIX® Feed Formulation and quality management software. Why? Because with BESTMIX®, they secure their market position and decrease their raw material costs, in spite of fluctuating raw materials markets. Moreover, they produce the best quality at the lowest cost price.

Check out www.feedformulation.com. Find out who uses BESTMIX® and how you too can maximize your profits. Immediately decrease your raw materials costs by up to 2%! Increase your business efficiency, secure your data and guarantee your product quality.

Booth C071 www.feedformulation.com
www.adifo.com

Aerox B.V.

Aerox B.V. is the world's leading odour control specialist. With the Aerox-Injector we remove the odours that are produced in industrial processes. We help factories to minimize their emissions in order to comply with legislation, but most important: To keep your neighbours happy.

For more information please contact us or visit our website: www.aeroinjector.com

Ag Growth International

Ag Growth International (AGI) is a leading manufacturer of portable and stationary grain handling, storage and conditioning equipment, including augers, belt conveyors, storage bins, handling accessories and aeration equipment. AGI has manufacturing facilities in Canada, the United States, the United Kingdom and Finland.

Agentis Innovations

Agentis Innovations is specialist in developing and implementing milling automation systems, data acquisition and

management solutions. Our business is the animal feed milling industry. Agentis Innovations product range is designed to achieve the core goals of providing optimization, cost saving solutions and enhancing the profitability of our customers.

For the first time, Agentis Innovations will be showcasing its latest technology which in real time measures the moisture of the raw material during batching and auto corrects the batching weight to the true dry matter of specific raw materials. This advancement enables feed companies to formulate accurately and make significant savings.

AgriTech Inc.

AgriTech Inc., located in Wuxi, China, the cradle of Chinese modern milling industry.

With brand MILTEC, it takes a lead in serving the fields of flour, rice, feed milling and oilseed processing for more than 20 years. The Corporation offers complete solutions to the industries, including designing, manufacturing, engineering of turn-key project as well as single machine supply.

At this exhibition we have pleasure in introducing our new products Multilayer Vibrating Sieve which is efficient for powder or granule grading and separating.

Agromatic AG

Agromatic – Swiss Made since 1979. Providing temperature monitoring solutions for grain storage and cereal silos, feedstock and other crude bulk material. It's our aim and pleasure to help you with our large range of modular systems and rugged sensors.

We look forward to see you: Booth C029
www.agromatic.com

All About Feed

The name says it all. All About Feed is a multimedia brand bringing you the latest development on animal nutrition and processing. Compiling data on mycotoxins and compound feed, plus addressing topical issues within the global animal feed industry. It has a strong focus on new research and innovation, presented by leading scientists from around the world.

All About Feed, Dairy Global, Pig Progress, World Poultry are part of the Agri International portfolio, published by Reed business Information.

Get your free digital magazine subscription at our VICTAM Asia booth.

ANDRITZ Feed & Biofuel A/S

ANDRITZ designs and builds key process machines, but also offers complete plant solutions for the global animal feed industries. Our business is based on a competitive approach to matching the requirements of successful livestock feed,

aquatic feed and pet food companies.

ANDRITZ is proud to introduce the new OptiMix paddle mixer to the market. The new mixer has shorter mixing time and the new patentable design features are unique for the market. The OptiMix has a new smooth design to improve its performance. Further, cables and other installations are hidden, making it easier to clean.

For more information: www.andritz.com/ft

Anping Qinghe Metal Mesh Co Ltd

Anping Qinghe Metal Mesh is a leading perforated metal manufacturer in China, we provide perforated metal in both sheets and coil, and materials can be custom made including plain steel, galvanized steel, stainless steel, aluminium etc.

Aquafeed.com

Since 1998, Aquafeed.com has been the recognised provider of sector-specific business, scientific and technical news and information, through content-rich web portals, magazines and newsletters – freely available, in support of the industry.

Our uniquely experienced team also provides conferences and technical consulting worldwide. Join us at Aquafeed Horizons Asia conference on the opening day of the show!

Aquafeed.com's dedicated information platform for aquatic hatchery operators is Hatcheryfeed.com. Visit the website for a wealth of resources and subscribe to the publications for free: the annual Hatchery Feed Guide is the industry's directory of aquatic hatchery feeds.

Arm & Hammer Animal Nutrition

Arm & Hammer Animal Nutrition is a global, multispecies company based in Princeton, New Jersey with manufacturing facilities in four U.S. states.

We offer a full portfolio of nutritional solutions for poultry including key products that utilize Refined Functional Carbohydrate™ (RFCTM) technology – AVIATORTM and CELMANAXTM – to help keep animals healthy and productive throughout the life cycle journey. Our global team is dedicated to delivering the right solutions and the right advice at the right time. With Arm & Hammer Animal Nutrition it's Animals First. Productivity Always.

Learn more at Booth D141 or at AHAnimalnutrition.com.

AWILA Anlagenbau GmbH

Feed mill plants and equipment plus process technology for the production of all types of animal feed, grain drying, cleaning, storage. Conveying elements, hammer mills, mixers, pellet presses, grains silos, premix plants, portioning systems, fat and liquid addition, feed and full-fat soya conditioning systems.

Bastak Food Machine Med Ltd Sti

Our Company Bastak Gıda Makine Medikal Paz.lth.lhr.San.Tic.Ltd.Sti. established in 1999, Ankara, TURKEY. After this time our company has begun to produce flour additives and quality control apparatus.

The fundamental principle of our company is the satisfaction of the valuable clients. We have exported our instruments more than 50 countries and 7000 instruments are working well in different countries of the world. Our company gives great importance to R&D studies.

Some of our instruments: Gluten washer, index, dry gluten, enzyme meter, roller – hammer mills, moisture meter, samplers. Flour additives, quality control devices, laboratory chemical, glass and consumable materials.

Bentall Rowlands Storage Systems Limited

Bentall Rowlands Storage Systems Limited is a leading CE Certified, UK manufacturer in complete storage and processing equipment solutions for the agricultural and industrial markets. We have Eurocode and DINN 1055 designs available.

We offer a wide range of galvanised steel silos and hoppers, water tanks, catwalks and platforms, material handling equipment, cleaning and grading and weighing and drying systems that are assembled worldwide.

Come and visit us at the show on stand D109 – Hall EH104 and EH103.

For further information please visit our website: www.bentallrowlands.com or call +44 (0) 1724 282 828.

Bilek Tech Makina San ve Tic Ltd Sti

BILEKTECH FEED MILLING SYSTEMS was created by ALTINBILEK in 2014 in order to manufacture and supply complete feed milling facilities for global market.

Its product range includes pellet presses, hammer mills, mixers, coolers, conditioners, crumblers, elevators, chain conveyors, belt conveyors, screw conveyors, square modular feed silos, round silos, galvanized grain bins.

BILEKTECH serves in many sectors such as feed, biomass pelleting, organic fertilizer, flaking and grain industries.

BIOMIN

At BIOMIN we harness the power of science to support animal health and performance. By applying state-of-the-art and proprietary technology we deliver natural, sustainable and profitable solutions to the livestock industry.

For over 30 years we have pioneered innovative solutions for mycotoxin risk management and gut performance.

Our in-house R&D program at the BIOMIN Research Center is staffed by 80 scientific

researchers and supported by eight Centers for Applied Animal Nutrition and a research network of 150 academic and research institutions globally. Our clients in the poultry, swine, cattle and aquaculture sectors are located in more than 100 countries worldwide.

Bruker Optics / Bruker BIOSPIN AG

For over 30 years, Bruker has supplied advanced FT-NIR and FT-IR technology to customers worldwide. Our spectrometers perform exceptionally in thousands of laboratories and in production lines totally integrated into the whole process of product development, production and quality control. Today, Bruker is the fastest growing NIR supplier in the world providing solutions to various industries including the feed industry.

Bruker offers a set of universal NIR calibrations for the analysis of raw materials and finished products in the feed industry for common parameters like moisture, oil, protein, fiber and ash, as well as for more specific tasks. Bruker calibrations help you to achieve a fast and effective quality control at minimum cost.

Bühler Changzhou

The Bühler Feed & Biomass business unit has been continuously adapting its product portfolio, manufacturing and logistics services specifically to the needs of customers in Southeast Asia.

Bühler Changzhou, a highly successful affiliate of Feed & Biomass business unit which has been setting new benchmark for feed mill quality standard in Southeast Asia since its launch in 2008, has been expanding 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 matched regional requirements. A technological development center and China Institute of Feed Technology(CFT) for customer staff have been set up.

CLESTRAL

Evolum+ & Preconditioner+: the new standards for extrusion excellence.

The Evolum+ twin screw extruders range combines higher performance, smart operation and hygienic design.

Evolum+ extruders include new technological solutions and features, such as optimized De/Di ratio and an advanced process control, leading to an overall enhanced performance: throughputs, process flexibility and consistency, product quality.

When equipped with CLESTRAL innovative Preconditioner+, the performance of any extrusion unit is increased.



FIAAP
Asia 2016



FEATURED KEYNOTE:

World Feed Panorama Preview –

*Jackie Roembke, Editor, Feed International magazine,
WATT Global Media*



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Thanks to its ability to efficiently adjust the filling ratio, the mixing performance and the residence time, the Preconditioner+ improves the overall process and the quality of the finished products, while saving energy, whatever the recipe.

CPM/Pacific (Private) Ltd

California Pellet Mill is a world-renowned pelleting specialist. This time a pellet mill with new add-ons will be on show.

Wired Shear Pin, Remote Knife Adjustment, Automatic Remote Roll Speed measurement and electronic oil indicator, those allows our customers to enhance their productivity as well as having a safe working environment.

Dr. Eckel GmbH

Dr. Eckel GmbH is a leading German supplier of innovative feed additives. With products for optimized and sustainable animal nutrition, Dr. Eckel offers creative solutions to meet the global challenges of modern animal production.

In recent years Dr. Eckel GmbH won several innovation awards for its phytogetic Anta®Phyt range for both livestock and aquaculture. For VICTAM 2016, Dr. Eckel launches Anta®Ox Aqua, a definite all-natural health additive, developed to fit the needs of modern intensive shrimp production. The growth enhancing effects of Anta®Ox Aqua are the result of its anti-inflammatory property – similar to the functional pathway of classic antibiotic growth promoters (AGPs).

DATASTOR

We have built a strong reputation for Automation in the Agri/Aquaculture feed Industry over 37 years for innovation, high quality system design, delivery and services.

Following on from the successful release of our latest generation PCS, 'Imperium for Feed' at VICTAM Cologne we now bring to Asia. Imperium gives a User web browser front-end, enhanced graphics/Trends, SQL Database, Translation, O.E.E, Downtime, Energy displays, K.P.I's, Configurable Menus/Displays & Reporting. Also on display will be our E.R.P, finite scheduling software.

Daynew Bio-technology Co, Ltd

Guangdong Daynew Bio-technology Co., Ltd, established in 2002, is a high-tech international enterprise, which has integrated in R&D, production and marketing of aquatic additives. Our key products include functional feed additives and aquatic feed premixes, etc.

Daynew has set up advanced enterprise management system and quality control system, has obtained ISO9001: 2008 and ISO22000: 2005 international quality management system certification. 3000

square meters premix production workshop and two full-automatic Bühler production lines have been constructed strictly with GMP standard. Sales cover all of China and now are expanding to Southeast Asia, South America and Africa.

Welcome to our stand (D139) and call 0086-13652918125.

DIANA Pet Food

DIANA Pet Food, the world's leading partner committed to improving pet food performance, develops innovative solutions to increase the wellbeing of cats and dogs, and pet owner satisfaction.

Integrating global pet food market trends and local needs, DIANA Pet Food, member of the Symrise Group, works closely with its customers with the sole objective of supporting their brand positioning and their values.

Thanks to a combined understanding of pet food product attributes, animal specificities and pet owners' expectations, DIANA Pet Food offers solutions targeted to the most critical pet food performance levers: palatability, health and nutrition and protection.

Dinnissen Process Technology

Dinnissen Process Technology is the specialist in the world of bulk materials and process technology in various markets.

An international company with more than 65 years of experience in machine development, in-house manufacturing, custom-made products, processing, control & automation, engineering and excellent service.

Milling, mixing, and vacuum coating; we invent, develop, build and innovate. But also the intake of raw materials, dosing, conveying, storage, drying, sieving, and big-bag filling are our expertise. Process technology for powders and granules, in the feed, pet food, aquafeed, food and chemical sectors.

We are always looking for new and innovative solutions – most of which we develop, test and produce in-house!

dol-sensors

dol-sensors a/s is the safe choice for sensors and sensor solutions based upon more than 35 years of experience in development and manufacturing of high quality sensors for the demanding agricultural industry.

With a growing world population in general, and the increasing need for improved food quality in particular, the need for sensors is rapidly growing. The ability to measure essential production parameters is necessary to support efficient production, to ensure welfare of animals and people and to protect the environment.

As a global market leader, dol-sensors a/s

is committed to serve the increasing demands from the agricultural industry.

Expect us to make sense in your production.

DSM-Rovithai Limited

DSM Animal Nutrition & Health will reveal the latest update of the DSM Optimum Vitamin Nutrition (OVN™) guidelines. Ever since their first appearance in 1958, DSM's Vitamin Supplementation Guidelines for domestic animals have helped the feed industry to understand and apply the appropriate vitamin intake levels.

Optimum Vitamin Nutrition (OVN™) is a cost-effective range of vitamin supplementation. Providing the right vitamin balance in the diet supports the health, wellbeing and performance of livestock, as well as the quality of foods of animal origin.

Please visit DSM's booth to find out more.

eFeedLink Pte Ltd

eFeedLink is a leading market information and content provider to the global feed and livestock industry and conducts market research on various Asian agricultural sectors. With our in-depth understanding of agribusiness issues, we provide following specialised services to industry enterprises, agricultural advisories, and investment analysts globally:

- Industry news and information (print and online)
- Corporate services (industry media, advertising and branding)
- Market research and consulting
- Platforms to facilitate trade communication

eFeedLink is the publisher of Livestock & Feed Business (previously known as Feed Business Worldwide) and industry directory eFeedBiz and manages the agribusiness website eFeedLink.com.

Elementar Analysensysteme GmbH

Elementar introduced the new rapid MAX N exceed as a new member of their highly successful next generation N/Protein analyzers. The rapid MAX N exceed sets new standards in protein analysis according to the Dumas method.

With the patented EAS Regainer® technology, analysis costs are minimized drastically. The rapid MAX N exceed offers fast N/protein determination (5 minutes) with unsurpassed precision and high detection sensitivity.

Designed for safe unattended overnight measurements it allows to analyze 300 samples per day in routine operation.

Extru-Tech Inc

Extru-Tech has established the industry standards for performance and value. Through the continual development of cost-effective answers to ever-changing

extrusion production needs. Extru-Tech designs extrusion cooking solutions that will yield high production levels of premium quality products that are fully compliant with food safety standards.

Ezhou XingFang Grinding Tools Co, Ltd

We are the top and world-class manufacturer for emery roller of rice milling machinery.

We are the original emery roller supplier for Bühler Drpa&bspb&dsrf and Satake Vta Rice Whitener.

We also provide nearly 90% of emery rollers to Chinese rice milling machine manufacturers, we can also supply all kinds of products for the rice milling machinery and their spare parts. We are also dealing with rice bran oil projects, husk pellet projects. Husk Biomass projects and all kinds of grain processing machinery.

FAMSUN (Muyang Holdings Co, Ltd)

FAMSUN is an integrated solution provider of plants, equipment and services in the farm-to-table industry chain.

Our global ability and experience in turnkey project delivery in the fields of feed milling, grain logistics and processing, steel structure building as well as industrial automation has helped our customers succeed in their respective markets.

Welcome to our booth B131. Contact us: jeroen_ju@muyang.com

FCM

FCM is specialized in feed pellet machines and plant with more than 20 years' international business experience. Till now, FCM processes series of machines including: FCPM pellet mill and dies & rollers, hammer mill, mixer, counterflow cooler, electrical control system, pellet plant and etc.

FCM has successfully passed the ISO9001:2000 quality management system certification and the CE certificate. FCM combines high quality machines, advanced technology, professional design and rich installation together, which provide our customers with efficient feed mill plant.

Welcome to visit our booth B039

Feedtech International BV

We offer customized feed mill solutions for small, medium and large enterprises.

Our feed mills are individually designed and constructed specifically to meet all our customers' detailed demands. In Feedtech Int BV we consistently venture performance improvement and meet customer requirements of our customers.

A combination of advanced equipment, excellent customer-oriented research and development (R&D) team, and strong working capacity make all your wishes for

the next best feed mill project possible. Apart from that, our performance testing station reassures you quality and accuracy.

FEROTEC

FEROTEC is the French specialist in the manufacture and supply of dies. These products are designed for pelleting products such as animal feed, minerals, fertilizers, wood.

Each die is designed to suit the customer's requirements. We manufacture all types of ring and flat dies with hole diameters from ø 1,2 mm to ø 30 mm.

With more than 20 years of know-how, FEROTEC brings the greatest care to the production process to guarantee high quality products. Around 1000 blanks are on stock to offer short production time. FEROTEC is distributed in 20 countries through a large distribution network.

Format International Ltd

Around the world, day and night, feed mills are running Format software to optimise their ingredients, drive down costs and maximise profits.

In just the same way our research programme never stops. Through our continual investment in research and development, Format has achieved a number of breakthrough advances in optimisation. Formats optimisation tools are unique in solving the widest range of formulation questions.

FOSS

Food and feed producers have much to gain from ongoing developments in analytical technology, but finding the right solution and getting the right return on investment can still be a challenge.

Visit our stand F091 and we will help you to find the way, whether you need to work with chemical analysis, benchtop NIR or in-line NIR in the process.

FP Engineering Ltd – FP Spomax SA

Designers and manufacturers of grain processing and handling equipment. Suppliers of complete flour and maize mills since 1882 with over 600 installations operating in more than 40 countries.

One of the biggest European manufacturers and suppliers of Root's type PD blowers and centrifugally cast rolls for numerous industries.

Fundiciones Balaguer SA (Balaguer Rolls)

Fundiciones Balaguer SA, Balaguer Rolls have been manufactured for 100 years and during 2016 the company will celebrate the centenary of this family company which manufactures 16,000 chill rolls every year exporting them to 140 countries worldwide. Balaguer Company would like to thank its

large customer base who trusted and supported the company along this long way.

Balaguer is already targeting the next 100 years of continued growth in the market focusing on manufacturing quality rolls available in the market today and tomorrow.

Balaguer Rolls are the past, the present and future of high quality rolls.

GePro Geflügel-Protein Vertriebsgesellschaft mbH & Co. KG

GePro Geflügel-Protein Vertriebsgesellschaft mbH & Co. KG is a group company of PHW, one of the largest producers of poultry products in Europe. As a member of PHW, GePro is part of completely integrated poultry production.

GePro headquarter is in Diepholz (Germany) with global sales offices located in Bangkok (Kingdom of Thailand) and Moscow (Russian Federation).

GePro transforms poultry by-products from the slaughterhouse into valuable ingredients for animal nutrition and biofuel (SP-Power). With the state of the art production systems, our products are of extremely high quality and are regarded as benchmarks in the industry.

The entire process is under strict veterinarian control leading to consistent flawless quality and great value proposition for our customers.

Green Wonder Biotech Co, Ltd

We are the originator and inventor of Livestock Waste Recycling & Disposal Equipment from Taiwan.

Our products including probiotics of "Bio-Hit 99" have been widely used to prevent disease spread, raise healthy animals, protect the environment and improve breeding efficient, also we have been certified with ISO22000 : 2005 and HACCP.

GSS Systems

GSS Systems is a high-tech manufacturer specializing in grain drying, material handling & conveying, silo unloading & sweeping, grain storage and dust collecting for grain, oil, feed, brewing, bio-energy industries and ports. GSS provides product engineering, manufacturing, turnkey service etc.

GSS products: Process Dryers, Batch Grain Dryers, Mixed Flow Dryers, Biomass Furnaces, Bucket Elevators, En-Masse Conveyors, Up-Load™ Drag Conveyors, Enclosed Belt Conveyors, Tri-Roller Belt Conveyors, Air Supported Belt Conveyors, Screw Conveyors, Cable(Chain)and Disc Conveyors, Custom Made Conveyors, Scalperators, Container Unloaders, Clean Sweep Augers, Dust and Pollutions Control Systems, Grain Sampling Systems, MRO etc.

GSS booth no. D103

GLOBAL MILLING
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A ONE-DAY CONFERENCE FOR MILLERS

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GRAPAS, FIAAP & VICTAM AT THE BITEC BANGKOK, THAILAND

MARCH 29, 2016

The BITEC - Meeting Room 216-217 (2nd Floor),
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SESSION A:

Flour Milling - Processing,
Quality, Storage & Transportation

Presentation include:

- Review of Analysis Methods for Rice and Flour Milling
- Adopting Sustainable and Energy-efficient Processing
- Storing Rice and Cereals to Protect their Quality

SESSION B:

Rice Milling - Processing and
Handling

- Expert Experience and Fuzzy Control for High-Efficient Feed Pelleting
- Efficiency in the Milling Process to Produce Premium End Products
- Innovative Grain and Legumes Processing Technology
- Extrusion Technology for Processing Cereals

SESSION C:

Milling Innovation - Technology
& Development

- Organic Rice and Rice Products for Health
- Plant Solutions from Grain to Noodles and Pasta
- Benefits of Rice Fortification
- Product Developments from Rice

For more information and to register visit:

bit.ly/grapas

Registration fee = US\$10

The first 50 people to register will receive a free copy of the International Milling and Grain Directory
The first 100 people to register will receive a free subscription to Milling and Grain magazine

The GRAPAS Award for Innovation

Milling and Grain magazine is once again privileged to sponsor the GRAPAS Awards for innovation in milling.

It is calling on all exhibitors, exhibiting under the GRAPAS banner at Victam Asia 2016 to make application if they have developed a beneficial piece of equipment or service for the milling industry. The GRAPAS Exhibition is an exhibition for the flour, rice and cereals milling industries and is co-located within the larger Victam event.



Hunan XiangLiang Machinery Manufacture Co, Ltd

Hunan XiangLiang Machinery Manufacture Co, Ltd was established in 1956, we produce a series rice milling machines, a series of grain unloaders.

Our productions are hot selling with most competitively price and highly quality with our professional international after service.

Contact person: Ms Cathy

Tel: 008613467696115

Email: cathy_yao115@hotmail.com

Hydronix Ltd

Moisture Sensors for Feed and Grain.

Hydronix is the world's leading manufacturer of digital microwave moisture sensors.

Designed to work in flowing materials our sensors are ideally suited to the feed and grain industry and provide a simple solution to ensure that grain is always at the optimum moisture level for processing or storage.

Installation is simple with the sensors positioned in the flow of materials in silos, mixers, pelletisers, conveyors or before / after a dryer.

The Hydro-Probe XT is designed for silos and conveyors and the Hydro-Mix is flush mounted making it suitable for screw conveyors and mixers.

Visit: www.hydronix.com

IDAH Co, Ltd

IDAH is recognized as a leading innovator of process equipment and processing plant turn-key solution provider for food, feed and biomass industry.

With comprehensive product ranges and customize design services, IDAH is your most trust-worthy partner to empower your business innovation in these fields.

IMAS

IMAS, using MILLERAL™ for turnkey flour milling systems, and VITERAL™ for turnkey feed milling systems performs manufacturing, marketing and service processes within international norms with its professional and experienced staff. IMAS provides:

- From single machines to complete turn-key projects for flour, semolina, maize and feed mills;
- Project and supply: Flow diagrams, construction and projects;
- Manufacturing: Milling machinery and equipment, electric switchboards, automation and computerized systems;
- Site activities: Set-up and management of sites, plant supervision and erection, plant start-up and commissioning;
- Services: Technical/ technological assistance and after-sale service, mechanical, electrical and electronic maintenance and spare parts service, plant upgrading and expansion.

Jacobs (NanTong) Eng. & Mach. Co, Ltd

With the headquarters in Iowa States, Jacobs Corporation has the world's largest and technology leading pellet and hammer mill parts manufacturing facilities with over 80 years experiences.

We have over 70% market share in Pellet dies, shells, hammers and screens in United States. To strengthen Jacobs ability to continue to assist the world's top feed producers to improve the operations with lower costs, the company invested a new facility in China.

Jinan Sunpring Machinery & Equipment Co, Ltd

Jinan Sunpring Machinery & Equipment Co, Ltd is a leading manufacturer of high quality Twin Screw Extruders for pet and fish food industries. We have years' experience of working with our customers providing specialist designs and practical solutions for a wide range of process needs. The latest Computer Aided Design (CAD) technology is used by our experienced design team.

We can keep product design in the same level with internationally advanced technology consistently. The maximum capacity of twin screw extruder can be up to 5000kg per hour. We can also make special designs for special products according to clients' special requirements.

Kasetphand Industry Co, Ltd (KPI)

Kasetphand Industry Co, Ltd (KPI) is a subsidiary of Charoen Pokphand Group (CPF). Established over than 49 years with an experience of FEED Mill Machinery and Grain Storage Systems, FARM and Prefabricated Building, FOOD Processing Machinery and Equipment.

In addition, implement the best systematical providing in After-Sale Services, including "Feed – Farm – Food" as Turnkey Innovation Services, Sourcing a high technology, innovative product as well as environmentally friendly in response to customer requirement under the excellent service. We are proud to be a part of customer business success through years by "Serve The Best Step Forward".

Lambton Conveyor Limited

Lambton is a manufacturer of galvanized material handling and grain storage equipment since 1965.

Some of our equipment consists of farm and commercial grain silos ranging from 40 to 27,699 tons, hopper tanks, bulk feed tanks, flat bottom, incline and self-cleaning U-trough chain conveyors, screw conveyors, belt conveyors and bucket elevators up to 1500 mt/hr which include a variety of accessories, as Pendulum, full round and flat back distributors, valves, conveying loop system, grain cannons,

gravity and drum pre-cleaners, catwalks, towers, unload augers and more.

Visit our website for more details and specifications at www.lambtonconveyor.com

Logos Packaging Holdings Ltd

Logos Packaging offers variety of flexible packaging such as Quad Seal Flat Bottom Bag, Stand up Pouch, Flat Pouch with different reclose features such as Press-To-Close zipper, Top slider Zipper, Easy Lock (hood-hook) zipper and pocket zipper...etc.

With two international food packaging standard of BRC regonised factories in China, Logos flexible packaging have been supplying pet food and flour powder for many years, with good track record from domestic market and overseas market.

Logos Packaging is your best partner in flexible packaging aspect.

MEAP

You are kindly invited to visited our website: www.meap.net

MORILLON

Founded in 1865, MORILLON is a French company, specialist of silo unloading systems (design, manufacture, commissioning and maintenance worldwide).

Our range :

- SPIROGYRE system :

The MORILLON sweep-auger is designed to reclaim the remaining free-flowing products (wheat, corn, barley, pellets...) once the gravity unload has been completed in flat bottom silos. The fully automatic design of the SPIROGYRE allows a safe and reliable reclaim inside the silo, without any labor required.

- HYDRAUGYRE system :

The HYDRASCREW range is specially designed to unload difficult to flow materials, heavy or light, powdery or fibrous, dry or damp. These unloading systems operate with a fully hydraulic transmission in silos ranging from 2 to 25 meters in diameter. Reliable and sturdy, they transmit high torques at low speed. The planetary screw ensures a "First-In – First-out" emptying of the silo.

We are looking forward to welcoming you on our stand no C155.

MÜNCH-Edelstahl GmbH

MÜNCH-Edelstahl GmbH in Hilden (Germany) is one of the leading worldwide exporting manufacturers of pellet presses, complete pellet mill- and grinder-lines as well as high-quality spare parts for own and all market accompanying pellet mills.

MÜNCH plans, develops and constructs with more than 40 years of experience machines and installations in the pelletizing sector as for example the feed mill-pelletizing and the wood-pelletizing.

MÜNCH's service and delivery program

covers the entire duration of a pellet press – from the development through the engineering, testing and production of new press systems and spare parts to maintenance services.

Muller Beltex b.v.

Muller Beltex is your service and knowledge supplier of reliable components for the bulk handling industry. Muller Beltex supply world-wide a complete range of components for bucket elevators, such as POLYSUR® elevator belts, plastic and steel elevator buckets, bolts, belt fasteners, drive- and return pulleys, pulley laggings and electronic safety process monitoring systems.

We offer a full service in providing capacity calculations and engineered “most economical” design recommendations for upgrading existing bucket elevators or constructing new elevators. With our 60+ years of experience, we have proven ourselves, both nationally and internationally, as your solid partner in sustainable solutions for bucket elevators.

Newtec Bag Palletizing

Newtec Bag Palletizing is a French company, based in the Eastern part of France, close to Germany and Switzerland. We have successfully been designing and manufacturing high quality palletizing technology for over 40 years. With more than 1,700 machines sold all over the world, we are one of the market leaders in our field.

With a particular focus on the animal feed industry, we relish the challenge of producing clean, stable and compact filled bags stacks, perfectly adapted to the upstream bagging process. Our products cover a wide range of production capacity levels going from 300 up to 5 000 bags per hour.

Nuscience

Nuscience Group is a global producer of premix, concentrates, mineral mixes, feed for young animals and additives for the animal feed industry. With more than 1000 employees worldwide and an innovation-driven attitude, we are capable of providing sustainable and economically feasible solutions for the efficient production of animal feeds and animal feed raw materials.

We focus on offering a wide range of products for livestock feed companies, integrations and self-mixers. Our commitment to be the knowledge partner of choice in animal feeds and animal health guarantees quality and top performance of our products and support.

Olmix

Based in France, Olmix is a leading supplier of natural solutions based on clay and

seaweed for animal production.

At VICTAM Asia 2016, booth number B063, Olmix will showcase its new product. Called ‘MFeed+,’ it is based on Olmix’s patented technology namely Olmix Exfoliated Algoclay or OEA. OEA is composed of a micronized Montmorillonite which is exfoliated with specific seaweed extracts.

Trials in fish, pigs and poultry showed that MFeed+ significantly improved in growth and performance due to the following process

1. Increased contact between enzymes and substrate
2. Increased activity of enzymes
3. Better digestion and more nutrients for absorption

Optima Pressformen GmbH Co. KG

Pellet Dies made in Germany.

Welcome to Optima Pressformen GmbH. Optimize your business with Optima. We manufacture and supply a large assortment of pellet dies, roller Shells and other wear parts for nearly all types of pellet mills. We cater for many applications such as feed milling, aqua feed, sugar beet, human food, wood, waste and the chemical industry.

With 50 years of experience in manufacturing pellet dies we have accumulated a superior know-how in every detail that matters for quality.

Perten Instruments

At-line and On-line NIR analysis of feed, grain and flour.

Perten’s new 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 in pipes, chutes and similar. The DA 7440 On-line NIR measures materials transported on open conveyor belts.

Moisture, protein, ash, fat, amino acids and many other measurements are available.

Petkus Engineering GmbH

Petkus Engineering Roller Mill WW 415 or WW 418 – Individual. Unique. According to you demands and design.

Due to its universal applicability in and for all kinds of mills and industry purposes plus the different set up which can be made we set new standards among the Feed industry.

This new Roller Mill meets the demands of many milling challenges from gentle milling of grains and semi-finished goods through to final products as well as the milling of

other products typically used in the Feed and food industry. Beside the technical advantages the energy saving aspect was one of our targets. The KW/t production is the lowest in the grinding Industry.

Advantages: adjustable speed for each roll, thereby optimal granulation, with minimum energy consumption

PLP Liquid Systems Srl

PLP Liquid Systems has acquired our 35 years’ experience the Feed Industry Sector specializing in dosing, coating and spraying technology for both liquid and powder applications.

Our systems include:

Powder Dosing: Nano Scale offering an advanced technology for medicine and vitamin weighing and dosing.

Liquid Dosing: Suitable for amino acids, acids, fats and molasses.

Homogenizing: Liquid addition and homogenizing before the addition into the mixer.

Spraying : Motorized sprayers for molasses, oils and other liquids.

Coating : New technology for pellet milk coating systems, PPLA for enzymes, probiotics and yeast.

Micro Encapsulation: Complete systems for amino acids and vitamins.

R K Bio Feed Machine

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 ø 1.4 mm to 12 mm) and other spares.

Visit us at VICTAM Asia 2016 (stand D081)
See more at: www.rkbfbm.com

Rueter Maschinenbau GmbH & Co, KG

Rueter Maschinenbau is a mechanical engineering firm located in Germany.

We will present our key product line of highly efficient and compact plansifters for the milling and feed industry.

SCAFCO Grain Systems Company

SCAFCO Grain Systems is a market leader in the design and manufacturing of corrugated galvanized grain storage solutions. SCAFCO engineers custom design to meet individual requirements and

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Mariko Takemura,
Lead Analyst, Euromonitor
International
*Pet food dynamics: update on
the global and Asian markets*



Andrew Mallison,
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*Fish-based ingredients
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has supplied grain storage projects to more than 80 countries worldwide. SCAFCO products are engineered for quick on-site assembly, simple operation, and lasting quality.

SCE – Silo Construction & Engineering

SCE aims to be the preferred partner for design, engineering, production and assembly of industrial building solutions that includes integration of our modular square silos seamlessly with SCE-supplied steel structures.

The demand for food is increasing with the growing global population. To keep up, food and feed producing companies will have to acquire higher levels of efficiency.

SCE helps such companies achieve this efficiency as a partner in modular process buildings. Our solution takes up less space, needs less time to assemble and work perfectly in any production unit, helping our customer focus fully on extracting maximum value from their process.

We have and continue to deliver to satisfied customers all over the world.

Visit us at FIAAP/VICTAM/GRAPAS Asia 2016 – stand C099.

Schenck Process

Join Schenck Process in booth B093 for information on how its E-finity® Pneumatic Conveying Systems, MechaTron® Dry Material Feeders, MULTIDOS® Weighfeeders, MULTICOR® Mass Flow Meters and ModuPlasma Odor Abatement Systems can provide the material handling and air pollution control solutions your pet food and animal feed process may require.

Schmiedewerke Gröditz GmbH

Schmiedewerke Gröditz GmbH – founded in 1779 – supplies stainless + tool steels / bars + blocks / open-die forgings and seamless rolled rings.

We are the leading supplier for seamless rolled rings used as pellet dies and supply them to well-known companies all over the world. Within our company seamless rolled rings for pellet dies are produced using our own steel basis and specialized heat treatment procedure to ensure the highest quality, outstanding machinability and appropriate lifetime. We cover the whole size range for seamless rolled rings used for producing any kind of pellets.

Please visit us at the VICTAM Asia 2016 exhibition at booth C081, we look forward to seeing you!

Silos Cordoba S.L.

Silos Cordoba is a leading manufacturer of metal silos for grain storage: FLAT SILOS, HOPPER SILOS, TRUCK LOAD SILOS and FARM SILOS.

We manufacture silos that range in size

from 3,5 tonnes to 26.850 tonnes with diameters available from 1,85 meters up to 41,25 meters. In addition to a large selection of grain storage solutions we manufacture a full line of handling equipment in order to propose complete turn-key projects to our customer. We also manufacture livestock equipment.

High quality, in-house engineering team, presence in 45 countries, which is why we are able to provide longer guarantees for our products.

Sioux Steel Company

Sioux Steel Company, established in 1918 and based in Sioux Falls, South Dakota, USA, is the world oldest grain silos/bins manufacturing company.

Sioux Steel provides the longest i.e. 10 year warranties on its silos. Sioux Steel Company has world class products and wide range of grain storage Flat Bottom Silos/Bins, Hopper Bottom Silos/Bins, Structural Building, Paddle Sweep, Dust Suppression System etc.

Sioux Steel Company manufactures full line of farm and commercial silos from 15' (4.57 meter) diameter up to 132' (40.23 meter) diameter and hopper bottom feed and grain silos from 6' (1.8 meter) diameter up to 36' (11 meter) diameter.

Sonac – Darling Ingredients

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.

At FIAAP Asia 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 swine, 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.

Soon Soon Group

Soon Soon Oilmills Sdn. Bhd. is a diversified and integrated grain and oil processing concern, producing food and feed ingredients. Our company has innovated in soybean meals through a high efficiency processing method to increase its amino acids and energy availability.

These value added soybean meals had been proven to improve animal growth performance from numerous feeding trials done in broiler and swine. We have further extended this technology to other legume and oilseed such as Canola, Lupin and Sunflower.

Sopropêche

For over 45 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) considered as one of the best marine protein sources. Our product portfolio also consists of fishmeal and fish oil, vegetable proteins, land animal proteins, yeasts and additives.

Studio Tecnico Appiani S.r.l.

Leading technology for parboiling and other hydrothermal processing plants.

Studio Tecnico Appiani S.r.l. is specialized in the design and manufacture of fully automated hydrothermal processing plants for producing parboiled rice and other cereal based products:

Products:

- Parboiling plants with various batch and continues pressure cooking technologies to produce any rice colour to market requirement.
- Other hydrothermal processes for a variety of quick-cooking rice products and other pre-cooked foods such as bulgur and pulses.

Services:

- Engineering, manufacturing and erecting of complete new plants.
- Upgrading of existing plants.
- Custom development of special hydrothermal processes.

Sukup Manufacturing Co.

Sukup Manufacturing Co. is a family-owned manufacturer of grain bins, grain dryers, material handling equipment and pre-engineered metal buildings. Sukup Mfg is the world's fastest growing bin company and largest family-owned company located in the heart of rich, Midwestern farmland (USA). Sukup has over 50 years of experience.

Sukup's product line includes farm/commercial grain bins, portable grain dryers, tower dryers, axial /centrifugal fans, stirring machines, bin unloading equipment, and bin floors/ supports. Sukup manufactures material handling equipment: bucket elevators, drag conveyors, hy-flights, chain loop and double-run conveyors.

Sukup Manufacturing's mission is to protect and preserve the world's grain supply.

Sun Magnetic Sys-Tech Co, Ltd

Sun Magnetic Sys-Tech Co, Ltd founded in 2001 in Beijing, China, as a professional manufacturer of permanent magnetic system, we have more than ten years of experience in research and development, design and manufacture.

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With advanced technology and rich experience, we are focus on providing customers with customized solution of Magnetic separators in food industry. In the process of entire service, top quality and continuous improvement are our perpetual commitment to customers

We are happy to share with you our experience.

Symaga

Symaga is a Spanish company specializing in the design, manufacture and supply of steel silos for storing seeds, cereals, malts, oilseeds, grains and pellets, and rice for the agriculture, agro-industry, biofuels and biomass industries.

The company has more than 30 years of experience and over 15 million m³ of storage space worldwide, ensuring the capacity to tackle any project.

Symaga supplies a wide range of silos, flat bottom up to 25,000 cubic meters, and hopper silos reaching 12 meters in diameter with 45-degree hopper and 2,649 cubic meters capacity, completely galvanized and the double welded compression ring. Symaga provides Z600 gr/m² galvanization, and continues to invest in research and development, allowing it to develop new products such as ventilated cones and fully perforated floors, to meet customer needs.

SynbioTech Incorporation

SynbioTech Incorporation, founded in 2000, has devoted to research and manufacture of probiotics for animal health and human beings. With our core competency SYNTEK® thorough, we designed the high viable probiotic solution, SYNLAB® products, for poultry, livestock, and aquaculture to replace antibiotics in order to the aim of sustainable development.

Top Silo Constructions

Top Silo Constructions is a silo supplier and has been focusing on the design and construction of rectangular steel silo installations. As a square silo manufacturer TSC has completed numerous projects around the world. These product prove our knowledge in the area of bulk and solids storage, day in day out.

The flexible modular square silo system is always customized for your storage demands. Typically, our silos have the following capacities:

- Total silo block from 30 – 30.000m³ (or more)
- Individual bin from 5 – 500 m³
- Total number of bins in a silo block from 2 – 200 (or more)

TORNUM AB

TORNUM manufactures all ranges of dryers, from batch dryers to BIG dryers with a capacity of 300 tons per hour.

TORNUM IDC, Intelligent Dryer Control, is a unique concept offering precise control throughout the drying process. In the heat recovery dryers the energy consumption is reduced by up to 30%.

Tyson Foods, Inc. Animal Nutrition Group

From our earliest years as a company, our founder John W. Tyson, made chicken feed to ensure the quality and quantity he needed for a growing business. Soon, Tyson's Feed and Hatchery was a trusted name in the business. And every bag of feed proudly proclaimed: There is no substitute for quality.

We believe that statement is as true today as it was then.

Our offerings include 100 percent chicken-based products: Chicken Meal, Chicken By Product Meal, Chicken Fats, Wet Pet Ingredients, Nutraceuticals and Specialty Protein Blends.

Van Aarsen

Van Aarsen is developer, manufacturer and supplier of state of the art machines and complete feed mill solutions for the production of compound feed and premixes.

The better the animal feed, the better the food on the table! It's as simple as that. We take our crucial role in the 'agro-feed' chain seriously, helping you to achieve optimal solutions.

Our innovative machines and complete feed mill solutions are designed and constructed to increase production and lower operational costs; with minimum energy consumption and maximum benefit to feed safety and ease of operation. Since 1949. Worldwide.

Feedmills of the future are here today. What does the future hold for feed mill technology? The future is more efficiency, while increasing feed quality. The future is higher production and lower energy consumption. The future is fully automated lines producing lower costs per ton. The future is smart engineering concepts using state-of-the-art technology.

The future is here today, with smart feed mills from Van Aarsen.

info@aaarsen.com, www.aaarsen.com

VAV

VAV Conveyor Components and solutions from the Netherlands has spent a lot of efforts in optimizing their conveyor chains programm. More and more types of chains, both forged and plate steel chains and suitable sprockets are kept on stock in our warehouses in the Netherlands and Germany.

We established various initiatives aiming at a continuous improvement of the livetime of our conveyor chains. Different base

materials and high qualitative heat treatment processes makes VAV conveyor chains stronger, and therefore a good investment to the future.

Plastic flights, welded scraper, stainless steel pins, everything can be fixed custom made in our workshops to ensure the quickest possible delivery times.

Besides chains VAV offers elevator components such as elevator belting and buckets directly ex stock

Vibrafloor

Vibrafloor is the world leader in providing modular vibrating bulk reclaim systems to reclaim cohesive and free flowing products, such as Soya Bean Meal, Potash, Wood-pellets, Sugar, Biomass and Grain.

Installations include steel and concrete silos, hoppers, warehouses, railcars and ships.

No other reclaim technology can provide the same balance of advantages which include:

- Total silo clearance
- No routine maintenance
- Modular redundancy
- Low energy consumption
- High reclaim rates
- No damaging vibration or stress transfer
- No product degradation

VYNCKE NV

VYNCKE designs and builds green and clean energy plants burning biomass and Solid Recovered Fuel (SRF) to produce thermal energy from 1 – 100 MWth and electrical power from 0.5 – 15 MWe.

The energy comes individually or in any combination of steam, hot water, thermal oil and hot gas ... with or without electrical power generation.

WATT Global Media

Visit the WATT Global Media exhibit at booth no. B179 to pick up recent issues of Feed International, Petfood Industry, Poultry International and Pig International magazines, learn about Petfood Forum events and meet Editors.

We'll help you stay ahead of the competition with the data and information you need to grow your business.

Winovazyme Biotech Co, Ltd

Winovazyme is specialized on the R & D of enzyme, we have the researcher team composed by 32 highly educated researchers, including 1 PhD guider, 8 PhD, 15 masters degree. We are holding many inventions and 47 patents and running the biggest fermentation center in China, with nine 75m³ tank and total fermentation volume is 675m³.

We are high quality and cost-effective enzyme preparations – green breeding products manufacturer and supplier.



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Join us for Bioenergy International's 3rd edition of "Biomass Pellets Asia" - a one day conference on biomass pellets held as part of Victam Asia 2016.

Find out why biomass pellets are emerging as an attractive alternative fuel for power generators in South East Asia, and what feedstock and technologies can be used for biomass pellet production.

Limited speaking and sponsorship opportunities available, contact
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Wuxi Naite Electromechanical Technology Co, Ltd

Wuxi Naite Electromechanical Integrating Technology Co, Ltd, founded in June 1994, 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 equipments.

Visit our booth no. B153. During the whole exhibition we will display the full automatic packing machine which is widely used in CP Group of China branches.

For more information contact: marketing@naite-china.com

Yemtar Feed Mill Machinery

Yemtar has been established at 1980 for designing, manufacturing and installing turnkey feed mills. We are market leader in Turkish market and we have lots of reference projects in international markets.

Our premises are located at Bandirma/Turkey and we manufacture our products at 12.000 m² closed area and 33.000 m² total area. We have approximately 200 people in production team, 35 people in management team and 75 people in installation team.

Yenar A.S.

We have been maintaining our experience of more than 20 years in the sector in our

modern production plant established on total 40.000 m² area, of which 18.000 m² is covered. We have been one of the important companies of Turkey and the world since 1995 with our equipment range having the highest technology manufacturing rolls which are the need of many food and feed sectors by means of double pour centrifugal casting method. Manufacturing annually 22.000 units of rolls of various diameters and length.

Yenar is among leaders of the world due to service after sales and high quality production.

Zhanjiang Hengrun Machinery Co, Ltd

Zhanjiang Hengrun Machinery Co. Ltd was founded in April 2006. It is the only enterprise that specialized in processing feeds and machinery equipment of agriculture and animal husbandry in Guangdong Zhanjiang, which is developing very fast in recent years, annual turnover amounts to 30 million Yuan.

In 2009, our company has passed ISO international quality system which awarded by Switzerland SGS company, the international famous identified company. Hengrun machinery has maintained co-operation with a number of international partners in various ways, cultivated lots of professionals and developed a variety of grain & feed machinery products with superior performance.

Zhenjiang Jingwei Conveying Technology Co, Ltd

Zhenjiang Jingwei Conveying Technology

Co, Ltd specializes in manufacturing, research and development of components for bucket elevator and conveyor. We have 28,000 square meters manufacturing facility.

Our main products include elevator bucket, drag conveyor flight, UHMW-PE sheet, PVC elevator belts, elevator bolts, belt fastener, conveyor chains and more than four hundred types components which are widely used in bulk material handling and storage industry.

We supply parts to many famous groups, have the ability to provide high quality products with competitive price and best service to customers.

Zhenjiang New Hengtong Conveying Equipment Co, Ltd

Zhenjiang New Hengtong Conveying Equipment Co, Ltd (B027) specializes in researching, exploiting and manufacturing granular material handling components, grain processing machinery components and engineering plastics. We have passed ISO9001:2000 international quality system certification.

Our company manufacture more than 20 types of products such as Elevator Buckets, Elevator Belts, Elevator Bolts, Drag Conveyor Chains, Drag Conveyor Flights, Gear Wheels, Screw Flights, Sieve Cleaners etc.

Our products are best seller all over China and have sold to Asia, America, Europe and Africa.

If you need more details, please visit web www.zjxhtss.com and send email to tommy@zjxhtss.com.

For full list of exhibitors at the event please visit our online catalogue at www.victam.com/?i=353






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●●● What's on show at FIAAP Asia 2016?

- Ingredients • Additives • Formulation • Laboratory equipment
- Quality control

●●● What's on show at VICTAM Asia 2016?

- Feed production technology • Packaging • Energy efficiency
- Auxiliary equipment • Biomass pelleting technology

●●● What's on show at GRAPAS Asia 2016?

- Rice milling and sorting technology • Flour milling technology
- Flakers, extruders • Grain processing systems • Additives

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Each of the exhibitions will have their own conferences, including:

- The FIAAP Asia Animal Nutrition Conference 2016 • Petfood Forum Asia 2016 • Aquafeed Horizons Asia 2016 • Global Milling Conference with GRAPAS Asia 2016 • Biomass and Biomass Pelleting 2016
- The second ASEAN Feed and Rice Symposium • The second ASEAN Feed Summit

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