



Issue 1 · Volume 20 · Spring 2015

Showtime

Industry to meet at international showpiece anniversary event



2015 is a special year for the organizers of FIAAP, VICTAM and GRAPAS International as it is their 50th year of holding events for our industries.

First came the VICTAM show in 1965 and then followed by the FIAAP show and then later the GRAPAS event.

Now all together in Cologne from 9 – 11 June, the three events will be under one roof at the Koelnmesse to comprise what is now the world's largest dedicated animal feed and grain processing event.

Over 250 exhibitors from all over the world will come together at the events to display the latest technology and developments for the production of animal feeds, flour milling, grain processing and biomass pelleting.

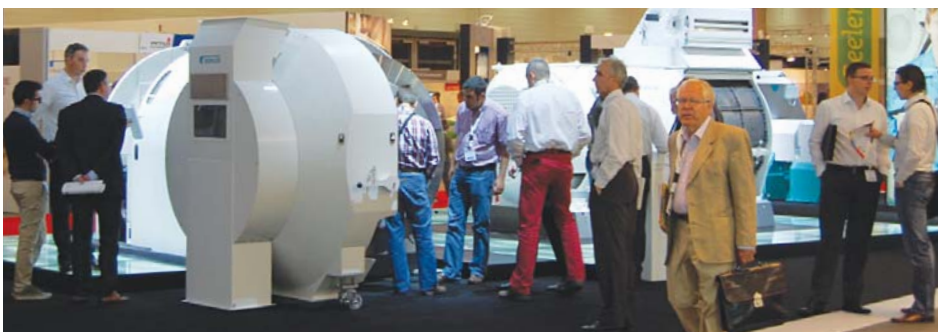
Each exhibition has its own exhibitor profile, they are as follows:

● **FIAAP:** Specialist ingredients and

additives that are used within the formulation of feeds for animals.

● **VICTAM:** Technology, equipment and systems for the production of animal feeds. Now also the technology used in the production of biomass pellets.

● **GRAPAS:** Flour milling, grain processing equipment and technology. *continued on page 3* ▶



DIARY DATES 9 – 11 June 2015 • Koelnmesse • Cologne

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► continued from page 1

Besides these specialist systems there will also be a very wide range of auxiliary equipment that are used throughout a mill – silos, conveyors, PC's and programs, elevators, bagging, trucks, etc.

All of this and more will be on show at these exhibitions. Visitors to the shows will be able to see, touch, and handle much of what is on display.

Talk to the experts

You will be able to sit down with experts from companies who have designed and engineered the technology and ingredients.

You will be able to get a better understanding of how they can assist your production line and save you money!

If you are looking to update your mill, want to look for alternative ingredients or maybe a totally new mill, come and see. You will not be disappointed.

Supporting conferences

BUT there is even more. You can learn even more by attending the series of technical conferences that will be going on during the shows. These are as follows:

Tuesday 9th June

The FIAAP Conference

Organized by WATT Global Media, publishers of Feed International & Feed Management

Aquafeed Horizons

Organized by aquafeed.com

International Pellet Conference

Organized by AEBIOM (the European Biomass Association)

Wednesday 10th June

Petfood Forum Europe 2015

Organized by WATT Global Media, publishers of Petfood Industry

Feed Safety Assurance certificate

Organized by GMP + International

Thursday 11th June

The IFF Feed Conference

Organized by IFF Research Institute of Feed Technology, Germany

Global Milling Conference with GRAPAS International 2015

Organized by Perendale Publishing, publishers of Milling & Grain Magazine

For further information, delegate registration, conference programmes etc please go to –

<http://www.victam.com/?i=279>

Technical workshops

There will also be a number of technical workshops (seminars) that will be presented by some of our exhibitors.



Browse the wide variety of exhibition stands or sit down and discuss your requirements with the experts

Multi-language visitor registration now live

The on-line visitor registration system is now live. This is an easy system to use, visitors need only to go to one of the following websites – www.fiaap.com, www.victam.com or www.grapas.eu and click on the visitor registration button on the home page and follow the simple instructions, and these instructions are also available in a number of languages as shown through the flags below.

There is **no charge** for entry into the exhibitions for industry related visitors and any ticket will enable entrance to **all three shows**. Please note that for visitors who do not pre-register, on-site registration will cost €40 per person.



FIAAP Conference 2015 9th June

FIAAP Conference aims to improve feed industry profitability. From feed formulation to manufacturing, the program offers solutions for feed industry stakeholders.

In 2014, the global feed industry grew by 2.4%*, a statistic attributed to the world's demand for animal-based proteins. Moving forward, successful and profitable feed production will rely heavily on innovations in feed manufacturing, additive technology and ingredient research.

To this end, the 2015 edition of the Feed Ingredient and Additives (FIAAP) Conference aims to serve the needs of industry stakeholders by providing a forum to display and discuss leading-edge research in these vital areas of animal food production. The one-day conference, held in Cologne, Germany, on June 9, will be co-located with FIAAP and VICTAM International, this year's premier feed-focused European trade show.

To develop the conference program, WATT Global Media's Feed International magazine called on researchers, companies and organizations to submit their most compelling findings. From the dozens of abstract submissions, a panel of four judges narrowed the technical portion of the FIAAP Conference down to seven sessions. The following is an overview of the program.

Practical additive and formulation applications

As margins tighten, the feed production side of animal agriculture is increasingly expected to produce high-quality, high-performance product. Mycotoxins, ingredient variability, animal health – many factors influence the work necessary to fulfill such expectations. Three of the abstracts selected by FIAAP's panel of judges address some of these critical issues.

With more than 30 years of experience under his belt, consultant Didier Grastilleur will examine the different methods to improve the predictive possibilities of manganese bioavailability during his talk, "Finding a reliable explanation for bioavailability variations in different manganese sources from disparate

manganese oxide sources." According to Grastilleur, data from available literature shows extremely divergent relative values for manganese bioavailability from manganese oxide as compared to sulphate – and these huge differences can have a large economic impact on feed formulations. With this in mind, his point is to drive home the importance of understanding the reasons for this occurrence and how it is possible to predict these variations.

Olmix's Julia Laurain will discuss the immunosuppressive effects of mycotoxins in her presentation, "The interaction of mycotoxins and endotoxins on inflammatory response." Deoxynivalenol (DON), a trichothecene mycotoxin commonly found in cereal-based foods, causes impaired growth in many animal species and endotoxins impact the production of insulin-like growth factors and alleviate the many actions of growth hormones. The research explores the negative influence mycotoxins and endotoxins have on an animal's inflammatory response.

Switching gears to formulation, nutrition consultant Rick Kleyn highlights a new methodology that allows the commercial nutritionist to overcome the limitations of linearity implied by feed formulation software. During his presentation, "Diet formulation: making use of non-linear functions," Kleyn will provide real-life examples and offer solutions for making use of non-linear functions – a method that improves the accuracy of formulations and, in many cases, leads to cost reductions.

Alternative ingredients offer cost-effective solutions

Given the volatility and varying availability of feedstuffs, nutritionists are often on the lookout for alternatives to both macro and micro feed ingredients. The ingredient track of the FIAAP conference offers research on two underutilized alternatives.

Professor Gautam Samanta, from the Kolkata, India-based Department of Animal Nutrition within the W.B. University of Animal & Fishery Sciences, reviews the potential effects of rice-based Distillers Dried Grain and Solubles (DDGS) on duck laying performance and egg quality during his discussion, "Performance improvements of layer ducks fed increasing levels of rice-based DDGS." In this study, researchers observed that egg production was significantly improved with increased levels of rice-based DDGS in the ration; higher values

of Hough unit, Yolk index and Albumin index were also achieved during this trial.

In the presentation, "Gauging the potential of rice bran lyso-phospholipids as a nutrient supplement in dairy cows," Dr. Umesh Balaji Sontakke will study the effect of feeding rice bran lyso-phospholipids on the performance of lactating dairy cows. His research suggests rice bran lyso-phospholipids fed at 6 percent can replace the costlier sources of energy in the diet of lactating animals without any adverse effect on digestibility of nutrients and milk production. Sontakke works in the dairy cattle nutrition division of the National Dairy Research Institute in Karnal, India.

Energy savings, regulations influence feed production

Cost-effective production and safe feed are high priorities on the agenda of every mill manager; however, changing regulations and high energy costs can hinder profitability. During the FIAAP Conference's processing track, two research-based presentations aim to aid in offering solutions in these vital areas.

Oriane Guerin, a researcher with consultancy company Zetadec b.v., will provide "Strategies for reduced energy consumption in feed mills" during her presentation – delving into the nuances of Specific Mechanical Energy (SME) and Specific Thermal Energy (STE) in feed production. Her research reveals opportunities to reduce energy consumption through optimization of the capacity, the meal temperature and an appropriate use of the machinery. According to data analyses, energy use can be reduced by up to 20%.

"Process control verification for the feed industry" is an increasingly hot topic. Dr. Jennifer Rice, Neogen Corporation's vice president and senior research director, will explore the importance of verification and validation preventive controls. The intent of her update is to demonstrate how the selection of the correct process control verification tools for a feed mill's quality control program can impact quality, safety and protect a brand's integrity.

An eighth general session has yet to be announced.

*Alltech 2015 Global Feed Survey

Registration

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

at-a-glance

Date: June 9, 2015

Time: 9am – 5pm

Location: Koelnmesse, Cologne

Amenities: Coffee breaks and lunch will be provided

About: The 6th FIAAP Conference is held in conjunction with VICTAM International

Website: www.fiaap-conferences.com

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ZHENG CHANG

Aquafeed Horizons 2015 9th June

Processing and ingredient interactions are focus of aquafeed conference.

The 8th in the series of international conferences for aquafeed professionals, Aquafeed Horizons, returns to the Koelnmesse with an outstanding program of talks by industry professionals and leading-edge practical researchers. The focus of this year's conference will be the interplay of ingredients and processing, with a close look at new ingredients being introduced to aquafeed formulations.

Alexandra de Athayde, Executive Director, International Feed Industry Federation (IFIF), Germany will set the stage for the technical program by addressing the environment in which the aquafeed sector operates.

IFIF is a global organization of national and regional feed associations, feed related organizations, and corporations from around the globe. Together IFIF represents over 80% of the animal feed production worldwide. In 2015 compound feed production will likely reach close to 1 billion tonnes worldwide. The FAO estimates that by 2050 the demand for food will grow by 60 % and that between 2010 and 2050 production of animal proteins is expected to grow by around 1.7% per year, with aquaculture production increasing by 90%. Ms. De Athayde will argue that only by working together with all stakeholders can

we meet these challenges and take advantage of the growth opportunities for our industry in a sustainable way.

Extrusion technology – refining the art

Extrusion is an essential technology for the production of fish feeds. The successful operation of these sophisticated machines is said to be more of an art than a science: in creating aquaculture feeds, this expertise needs constant refinement as new ingredients become available for incorporation into aquafeeds. Three veteran extrusion experts will look in detail at the extrusion process.

As many aquatic feeds move towards the use of vegetable and other novel ingredients, the extrusion task is to maintain quality at higher production rates with lower inclusions of starch. Joseph P. Kearns, Vice President Aqua-Feed Division, Wenger Manufacturing, Inc., USA, will explain how pushing the limits on all boundaries of the process becomes a challenge. Generally the situations can be dealt with but something usually needs to give, he says. Trends are to be seen with production methods both of hardware and running conditions, allowing for wider ranges of

non-traditional ingredients or ones of lower quality. Reviewing ingredient quality and the extrusion process will give insights on balancing the system.

Urs Wuest, Director Market Segment Aquafeed, Bühler AG, Switzerland, will address the effect of extrusion technology on physical and nutritional quality of extruded fish feed. He will explain the roles of the pre-conditioner, of die design and of density control, a critical variable if fish feed production that effects pellet buoyancy, floating and sinking characteristics, oil impregnation during the coating process and factory capacity.

The topic will be rounded out by Finn Normann Jensen, Director of Global Business Development & Marketing, Andritz Feed & Biofuel A/S, Denmark, who has held positions as R&D Design Engineer, R&D Manager and Technical Director, Business Manager Extrusion among others, over 30 years with the company.

Practical manufacturing constraints and feed formulation resource allocation

Traditionally, feed formulation tools have focused on nutrition and resource allocation decisions as the driver for their output.



Below, left: Dr. Olav Fjeld Kraugerud, Manager, Centre for Feed Technology at the Norwegian University of Life Sciences, Norway will be one of a team of applied research scientists who will share their knowledge and insights at *Aquafeed Horizons*.

Right: Dr. Jorge Dias, Managing Partner of SPAROS, Portugal, will reveal a predictive tool to compare the environmental impact of different feed formulations developed for gilthead seabream, one of the five main European farmed fish species, as part of his presentation.



Issues that affect the actual manufacturing of the feeds, such as weighing constraints, effects of ingredients on quality, throughput and energy use and silo availability have been difficult to adequately incorporate. Ian Mealey, Head of Operations, Format International, U.K, will discuss optimization techniques that are now becoming available and that offer the formulator the ability to more accurately model these aspects alongside nutritional and ingredient purchasing parameters in a more holistic approach. This capability will inevitably have a positive feedback on the measurement of ingredient value and subsequent resource allocation decisions.

Looking forward

The very latest in applied aquafeed R&D will be strongly represented at this year's meeting.

Dr. Mari Moren is Director of Research at the food research institute, Nofima, responsible for Nutrition and Feed Technology. The research area carries out research, development and innovation projects, with a special focus on research into new feed raw materials, feed technology and questions related to nutrition. She will give a view of the future demands in salmon feed production and present possibilities from the viewpoint of a research institute working on R&D throughout the whole value chain in aquaculture.

Dr. Olav Fjeld Kraugerud, leads the Centre for Feed Technology at the Norwegian University of Life Sciences (NMBU), Norway. In this role he works with customers in both academia and industry. He says the

challenge of always making feed in new ways leads to innovation, as new demands are imposed on both hardware and processes. Dr. Kraugerud will look at novel ingredients and give examples of results from trials performed with krill meal, gluten and plant meals. He will present data on the viability of tailor-made processing for feed recipes with a diversified protein portfolio – and promises to reveal an exciting new and innovative tool for feed production.

Early life-stage discoveries

Dr. Jorge Dias, together with Luis Conceição are the managing partners of SPAROS Lda, Portugal, a technology-driven SME dedicated to the development of new products and tailored nutritional solutions for the aquaculture market. Dr. Dias's talk will be on results from the Advanced Research Initiatives for Nutrition & Aquaculture (ARRAINA) project, a European FP7-funded Collaborative Project coordinated by INRA and associating 21 institutions, among which are 9 industrial partners.

The overall objective of the ARRAINA project is develop sustainable alternative aquaculture feeds tailored to the nutritional requirements of the 5 main European farmed fish species, Atlantic salmon (*Salmo salar*), rainbow trout (*Oncorhynchus mykiss*), gilthead seabream (*Sparus aurata*), European seabass (*Dicentrarchus labrax*) and common carp (*Cyprinus carpio*), over their full life cycles, with reduced levels of fish meal and fish oil; and assess the long term physiological consequences by applying targeted integrative tools that accurately measure and predict the effects

of alternative feeds on fish metabolism and health. The project is using these tools to develop alternative feeds and novel delivery vectors for early life stages of fish and study the long-term effects of these alternative feeds on metabolism, performance, quality and waste management over the full life-cycle (from egg to broodstock). ARRAINA is also exploring the concept of nutritional programming in fish.

Dr. Dias will focus on new knowledge generated on the fine tuning of the dietary supply of trace elements in larvae and juvenile feeds, relying on the use of innovative delivery vectors such as microencapsulated and nano-sized mineral forms and a closer look on the interactions among trace elements and other nutrients. Activities on the effect of vegetable ingredients on physical pellet criteria and fecal properties will be discussed. A predictive tool to compare the environmental impact (total, N and P waste) of different feed formulations developed for gilthead seabream will also be presented.

Finally, Tilman Wilke, Product Developer at Dr. Eckel will discuss the technical and functional considerations of working with acidifiers.

Aquafeed Horizons 2015 will take place from 9am to 5pm, 9th June, 2015 in the Koelnmesse, Cologne, Germany.

Registration

Pre-registration is required for a guaranteed place in this popular conference and you are urged not to delay. Special rates are available for students and groups. "Early Bird" rates are available until 31st March. Register at www.feedconferences.com

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International Pellet Conference 9th June

A technical look at a growing sector from the European Biomass Association (AEBIOM).

Over the past 15 years, the wood pellet industry has stood out among other renewable energy sectors as one of the fastest growing sources for sustainable heat and electricity available to today's consumer. As renewables grew rapidly in importance and their necessity in our energy mix was further realised during this period, the demand for secure and sustainable energy sources became increasingly more pronounced. This increased demand saw world pellet production grow from the modest figure of just 1.7 million tonnes in 2000 to reach an estimated 25 million tonnes produced in 2014, representing almost a 15-fold increase.

Continued growth

Today, the impressive rate of growth continues; EU production alone was at more than 12 million tonnes in 2014, and recent years have seen new players enter the fray as the significant potential of the international market becomes more and more apparent. North and South America and Russia have quickly responded to the opportunities presented by high levels of demand at residential and non-residential scale and their pellet production has risen accordingly. The EU market offers particularly good opportunities for both domestic and foreign producers and traders.

Technical conference

The International Pellet Conference organised by AEBIOM and taking place on 9th June at VICTAM International 2015 offers a chance look at the sector from a more technical standpoint. Additionally, the conference will seek to look in a different way at the pellet industry and explore the clear links that exist between the processes for biomass pelleting and those for the processing of animal feed, flour milling and grain processing. While a brief overview of the latest pellet market developments will be given, many of those attending the conference will be keen to learn of the interactions between feed and wood pellet production. For this purpose, speakers will be invited to give a technical comparison of these processes and explore some of the successful conversions and diversifications that producers on both sides of the fence have managed in optimising their business activities between the two sectors. The discussion on this interaction is sure to raise some interesting points for both the pellet and feed sectors.



Plant optimisation

Following this, we will look at how best to optimise costs in the production of pellets. Ensuring that economical production processes are in place is key to maximising the profit-making potential of any pellet plant. For this reason, one of the conference sessions will focus on plant optimisation and implementation of cost-effective business models. Key experts from some of the most significant players in the pellet sector will be invited to present their practices and give insights into the ways they have managed to reach a sustainable level of profitability in their pellet production.

Pellet quality

As we see pellet supply chains become more and more complex as new actors are introduced to an increasingly international market, pellet producers and traders find themselves in a position in which they need to prove the quality of the pellets they offer to their buyer – be it the next trader in the supply chain, or the end consumer who will use the pellets in their stove or boiler. On the consumption side, the consumer needs to be fully confident in their supplier's promise that the pellets they buy are sustainable and of excellent quality, both to ensure a high heating value (giving

them as much value for their money as possible), and, crucially, to ensure that the pellets used will have no detrimental effects on their combustion appliance.

For these reasons, the conference will at that point turn its attention to the issue of pellet quality. We will hear from key technical experts who will look to share their expertise on maintaining pellet quality all along the supply chain from production in pellet plants, to the handling in ports, storages and delivery trucks, right up to the receipt of the pellets by the end consumer.

Torrefaction

In each session we will also hear from industry representatives from the torrefaction sector. Torrefaction represents an extremely promising technology for the biomass sector, bringing significant possibilities for the replacement of fossil fuels. The AEBIOM-run International Biomass Torrefaction Council (IBTC) will be present to give their perspective on each of the discussions and look at the role that torrefaction will play in future energy markets.

We hope that you will join us in Cologne to discuss these key issues and learn from the insights offered by leading experts; don't miss out on what promises to be a highly interesting discussion.

Petfood Forum Europe 2015 10th June

Exclusive conference brings cutting-edge knowledge and studies on nutrition, petfood ingredients, safety, processing and more.

Petfood professionals from Europe and around the world can learn the latest data and information on pet nutrition, petfood manufacturing and marketing during Petfood Forum Europe 2015. This exclusive conference also offers prime networking opportunities as well as the chance to connect with leading industry suppliers exhibiting at VICTAM/FIAAP/GRAPAS International.

Scheduled for 10th June at the Koelnmesse in Cologne, Germany, in conjunction with VICTAM/FIAAP/GRAPAS, Petfood Forum Europe features industry experts presenting new research on using insect protein, marine algae and medium chain triglycerides in petfood, measuring emotional palatability, differentiating petfood packaging on the retail shelf, adjusting for seasonal rhythms in cats, ensuring safe petfood products and using higher levels of thermal energy in dry petfood production.

Registration

Registration for Petfood Forum Europe is now available, with early bird savings through April 1. Following are the schedule, topics and speakers as of press time. For updates and registration information, visit PetfoodForumEvents.com



Above: At Petfood Forum Europe, industry experts will present cutting-edge research on topics such as how seasonal changes may affect cats' eating behaviour, weight and activity level.

PETFOOD FORUM EUROPE 2015 PROGRAMME

09:00 – 10:00 Registration/check-in with light breakfast

10:00 – 10:40 Differentiation on the shelf: petfood packaging design that captures market share

Stefan Hartung, Executive Creative Director for Ideas That Kick, explains how to create petfood packaging design concepts that differentiate your brand in a crowded, competitive market by resonating with consumers. Using international examples, he describes how to analyze competitive shelf sets for petfood-specific packaging, identify market and mindset opportunities for your products and stand out on the shelf by speaking to consumers with benefit messaging versus feature-based marketing.

10:40 – 11:20 Insect protein meal: a safe, sustainably produced source of nutrients for innovative petfood applications

Tarique Arsiwalla, Founder and Director of Protix Biosystems BV, provides insights into how insects can play a pivotal role in food chains, turning end-of-life streams into valuable high-grade nutrients. These nutrients can benefit the petfood industry, including in diets for dogs and cats, while complying with strict guidelines in European Union legislation. Within those guidelines, ingredients such as concentrated insect proteins, purified insect oils and chitin-containing fractions have been produced with various functional applications, including dog food.

11:20 – 12:00 Measuring emotional palatability

Christelle Tobie, Panelis Business Development Manager for SPF-Diana Pet Food, explains why palatability, defined to date as an organoleptic concept, has now become emotional as the petfood market faces new challenges: understanding pets' behaviors related to their feeding experience and understanding the "parents'" perceptions of their pets' feeding satisfaction. Tobie and her colleagues have investigated this new dimension to define the relevant criteria to measure emotional palatability and demonstrate that expert panels can deliver reliable information about owners' future perceptions.

12:00 – 13:30 Petfood Forum Europe lunch

13:30 – 14:10 Ensuring safe petfood in the 21st century: protecting your brand equity, your customers and our pets

David Primrose, MSc, Technical Consultant for Synergy Food Ingredients, delivers insights into how brand equity shapes our thinking on petfood safety and illustrates the importance of evolving our food safety management approach to ensure field-to-bowl protection now and in the future. Recognizing food safety culture as an emerging risk factor, the presentation introduces a model for petfood safety built on food industry best practices and learnings from significant food safety incidents.

14:10 – 14:50 Seasonal rhythms in food intake, body weight and activity in the domestic cat

David G. Thomas, PhD, Senior Lecturer at Massey University, describes new research into how cats still show a strong seasonal rhythm in feed intake, despite domestication and the provision by owners of a consistent food supply. Most domestic cats are exposed to natural daylight and temperature changes during the year, yet little research to date has looked at the consequence of this on appetite and food intake, body weight and activity. Thomas describes the extent of these natural fluctuations and discusses them in the context of current feeding guidelines and regulations.

14:50 – 15:30 Effects of caprylocapric triglyceride supplementation in cats

Melinda Feryhough Culver, DVM, PhD, Scientific Affairs Manager-Biosciences for Abitec Corp., reports the results of a study investigating the effects of supplementing cats' diets with caprylocapric (medium chain) triglycerides, a unique type of fat due to their digestion, absorption and metabolic pathway. A considerable amount of data exist to suggest that supplementing human and other species' diets with these triglycerides

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The European petfood market

Despite financial struggles in some European countries, pet care and petfood are still strong economic sectors in the region, and Europe holds a significant share of the global petfood market. Learn more about this dynamic region:

- **Western Europe:**

www.petfoodindustry.com/50454.html
www.petfoodindustry.com/52912.html

- **Eastern Europe:**

www.petfoodindustry.com/49850.html
www.petfoodindustry.com/52914.html

- **Leading European petfood companies:**

www.petfoodindustry.com/53519.html
www.petfoodindustry.com/Marketdata/global/?id=53363

PETFOOD FORUM EUROPE 2015 PROGRAMME

► continued from page 10

can diminish both visceral and subcutaneous adipose fat; yet there has been little focus on companion animals despite the progression of pet obesity to epic levels worldwide. Culver describes the metabolic pathway of caprylocapric supplementation and resulting effects on weight wellness.

15:30 – 16:00 Coffee break

16:00 – 16:40 Thermal versus mechanical energy in petfood extrusion to boost meat levels and save energy

Brian Streit, Director of Pet Food & Aquatic Technology for Wenger Manufacturing, explains how the continual rise in energy costs and the trend to include higher levels of fresh and dried meat in petfood formulations have combined to provide a new way of extrusion cooking. By using higher levels of thermal to mechanical energy, the production of unique and very high meat inclusion formulations are possible. In addition to the tangible benefits of energy cost reduction and formulation flexibility, this method offers other benefits, such as increased palatability, higher digestibility and vitamin and mineral retention.

16:40 – 17:20 Benefits of feeding algae as an antioxidant and omega-3 ingredient for dogs

Terry McArdle, European Pet Manager of the Alltech European Biosciences Centre, presents information and research on microalgae as a source of protein, fat and nutrients and a viable option to the challenge posed by food production growing slower than human demand. Studies have suggested that supplementation of canine diets with DHA from marine sources can improve cognitive, memory, psychomotor, immunologic and retinal functions in growing dogs and help reduce aggressive behavior in adult dogs. Alltech recently conducted a study to evaluate the oxidative stability, effect on product shelf life and impact on organoleptic properties of a specialist algae supplement as an alternative source of omega-3 fatty acids in a dry, extruded petfood.



Feed Safety Assurance certificate 10th June

The international GMP+ Feed Safety Assurance certificate also your tool?

In the coming decades, the world population will grow to about nine billion people. At the same time, the welfare level is rising throughout the world. This results in more demand for safe animal products such as meat, dairy products and eggs.

More feed materials are needed for more production of animal protein. The feed

material suppliers experience it by increasing demand and export. At the same time, they are faced with increasing demand for demonstrable control of feed and food safety.

GMP+ International has the most suitable tool for the feed business to cope with the new challenges in the export markets as well domestically.

Want to know all about the opportunities for your organisation? Please, join our seminar during VICTAM International in Cologne on 10th June from 13:30 – 15:30.

Registration

For more details and registration check our website www.gmpplus.org and seminars.

IFF Feed Processing Conference 11th June

Topic: Energy Management and Sustainability in Feed Production.

IFF, International Research Association of Feed Technology, Germany, will once again organise a one day conference on the ever changing subject of "Feed Processing".

Experts will present a series of papers on this subject. The morning sessions will be conducted in German and the afternoon sessions in English.



IFF FEED PROCESSING CONFERENCE PROGRAMME

Part I (German)

10:00 – 10:10 Begrüßung (IFF)

10:10 – 10:40 Energieeinsparungen und –management in der Mischfutterproduktion (IFF)

10:40 – 11:10 Anforderungen an die Zerkleinerung mit Blick auf die Nachhaltigkeit (IFF)

11:10 – 11:40 Hygiene und HACCP in Mischfutterwerken (IFF)

11:40 – 12:00 Coffee break

12:00 – 13:30 Podiumsdiskussion (One representative from IFF, two/three representatives of associations and industry)

Part II (English)

14:30 – 14:40 Welcoming (IFF)

14:40 – 15:10 Energy management in Feed Production (IFF)

15:10 – 15:40 Hygiene Policy and HACCP in Feed Production (IFF)

15:40 – 16:00 Coffee break

16:00 – 16:30 Sustainability in Feed Production (n.n.)

16:30 – 17:00 Hygienic feed production versus capacity (n.n.)

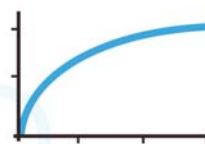
17:00 – 17:30 Reducing specific energy demands in the pelleting of feed (n.n.)

Closing Words



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Global Milling Conference with GRAPAS International 2015 11th June

The GRAPAS Conference 2015, which will form a key part of the GRAPAS exhibition that is co-located with VICTAM International in Cologne, will attract a new type of audience – the flour and rice millers and associated industry representatives.

The conference has been moved from the first day to the last day of the event and will start at 10:00 on Thursday 11th June, 2015 and run through until 17:00, offering attendees three two-hour sessions.

"We are inviting our speakers and delegates to attend the event from 10th June, 2015 so that they can have a good look around the exhibition halls before the conference proper," says Roger Gilbert, the patron and co-organiser of the event.

"We have also called on 'The Global Milling Conference' which is held annually in India, to co-locate this year with GRAPAS in Europe. This will widen the programme to include one or two presentations from that part of the world as well."

Another development, he adds, is the structure of the presentations.

"We will be charging a registration fee of €75 (or €30/session) to cover speakers costs. This will allow us to bring onto the program those speakers that until now have not been able to allocate resources to accept presentation invitations."

Co-located

The one-day event will be co-located the FIAAP conference and held during the GRAPAS, FIAAP and VICTAM exhibitions at the Koln Messe exhibition halls will be called 'Global Milling Conference with GRAPAS 2015'.

"Combining the two milling conferences at a Europe venue will allow us to offer a program that is more encompassing and draw on the experiences of an established milling conference from the Asia sub-continent that has been developed by GFMT and Assocom India," says Roger Gilbert, patron and co-organiser of the event.

"We plan to attract wheat, rice and cereals millers to this one-day conference by providing a platform of speakers who you might not normally find presenting at conferences; experts in their fields who have a unique insight into developments around flour, rice and cereal milling regionally and globally," he adds.

For millers to leave their mills and travel to Cologne, Germany, for a one-day conference and a three-day exhibition, places demands on the programme, says Mr Gilbert.

GLOBAL MILLING CONFERENCE WITH GRAPAS 2015 PROGRAMME

10:00 – 12:00 Session one – Food Safety / Quality Control

- Training – The benefits from qualified staff
- Regulations
- Heat treatments

13:00 – 15:00 Session two – Nutrition / Milling / Technology

- Flour Fortification – Millers fighting malnutrition
- Fibre, Protein and Gluten-Free – Challenges for human consumption
- Dealing with customer complaints

15:00 – 17:00 Session three – Markets / Storage / Handling

- Harvest Report – Soft and hard wheat supply from the USA
- The Roller Mill Revolution
- Milling 24/7 – A Miller's Experiences

"The programme has to be presented as one that millers cannot afford to miss. Therefore the caliber of speaker and presentation subject are paramount," he says.

To offset the cost of engaging speakers, the conference will introduce for the first time, a registration fee of €75/person for the full day, or €30 per session. Coffee will be included between sessions. Those opting for all three sessions will be offered lunch.

Outline

The one-day conference will take place from 10:00 on 11th June, 2015 in a conference room alongside VICTAM, and conclude at 17:00. It will be broken into three two-hour themed sessions with a coffee and lunch break in-between. The whole event will be held in English.

A registration fee of €75/person will be charged for the full day. However, delegates can attend by session for €30/each. Registration is now available online with a completed programme and will allow delegates to register up until the day of the conference.

"We are aiming to offer this one-off conference to 75-100 delegates only. Space will be limited," says Mr Gilbert.

"As the programme will be made up of three separate sessions, delegates can dip into and out of each session, or opt to attend all. We will favour those who elect to attend the whole programme in allocating space," he adds.

Registration

The full programme can be viewed online as it develops and delegates can register to attend via this link:

www.gfmt.co.uk/grapas2015





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Travelling to the exhibition centre

Arriving by plane

Both Cologne-Bonn and nearby Dusseldorf are international airports with flights to and from all over the world. Major cities such as Copenhagen, Berlin, Paris, Prague, London, Munich, Milan, and Zurich are about 60 minutes flying time from Cologne.

Both of the airports have their own railway stations which allows fast and easy access to the railway station at Koelnmesse on the ICE trains. These high speed trains also connect to Düsseldorf, Frankfurt, Amsterdam, and Brussels airports.

Visitors should leave the trains at Koln Messe/Deutz and follow the signs to Koeln Messe and FIAAP, VICTAM & GRAPAS International 2015. This will lead you to the rear of the station where you will then be able to catch the free shuttles buses. These will be operating each show day to and from the railway station and Entrance North of KoelnMesse where you will find the visitor registration for the exhibitions and conferences.

Travel by train

Due to its location in the centre of Europe, Koelnmesse can be quickly reached on trains of Deutsche Bahn from many cities in Germany and abroad. In addition, the Köln

Messe/Deutz station for high-speed trains is located next to the exhibition grounds.

Once again visitors should leave the trains at Koln Messe/Deutz and follow the signs to Koln Messe and FIAAP, VICTAM & GRAPAS International 2015. You will then be able to board the free shuttles buses that will operating each show day to and from the railway station and Entrance North of Koln Messe where you will find the visitor registration for the exhibitions and conferences.

Travel by car

Please be aware there are major road works near the exhibition centre. Restrictions may be in place which could cause traffic congestion and delays. Please read the following which will help you. Traffic restrictions Kalk tunnel (B55a) / motorway junction Köln-Ost (Cologne-East) Due to the general renovation of the Kalk tunnel on the B55a between the Zoobrücke and the Köln-Ost motorway junction, traffic restrictions will likely be in place near the trade fair grounds until the end of 2015. During the entire construction period, only two lanes out of the usual three will be open in the tunnel in each direction of travel. The tunnel remains closed to HGVs over 7.5

tonnes. Additionally, the slip roads at Köln-Ost motorway junction from the A3 to the B55a travelling towards Cologne and the access onto the B55a from Buchheimer Ring towards the city are closed.

If you are travelling on the A3 from the North, leave the A3 at the Mülheim exit and follow the signs towards Koelnmesse (via the Mülheim access road, Clevischer Ring, Bergischer Ring, Pfälzischer Ring). If you are travelling on the A3 from the South, take the A4 at the Heumar motorway junction. At the Gremberg junction, take the A59/559 towards the eastern access road (L 124) and follow the signs to Koelnmesse.

Due to the closures and traffic restrictions, travel on the city motorway B55a as well as on the diversion routes can be expected to take considerably longer than usual. We recommend avoiding driving through the Kalk Tunnel as much as possible. You can find information about the current traffic situation in the Stadt Köln traffic calendar (please include link: <http://www.stadt-koeln.de/leben-in-koeln/verkehr/verkehrskalender/>).

When you arrive at Koelnmesse please park your vehicle in Car Park p21. This will be clearly signed.

Visa information

If you are traveling to our exhibition from a country whose citizens require a visa for Germany, you will need to obtain an official invitation letter. **A. Sutter Dialog Services GmbH** will issue invitation letters on behalf of VICTAM International BV. Please complete the application form online: <http://victam.com/?i=281>.

You will be sent the official letter by e-mail or fax and a copy will also be sent to the nearest German consulate in your country. Any other questions or remarks with regard to the invitation letter need to be made directly to **A. Sutter Dialog Services GmbH**.

We would like to stress that you need to start your visa application early to avoid disappointment.

To find out if you require a visa and for more information and application forms, please check the German government's website at: www.auswaertiges-amt.de/EN/EinreiseUndAufenthalt/Visabestimmungen_node.html

Accommodation

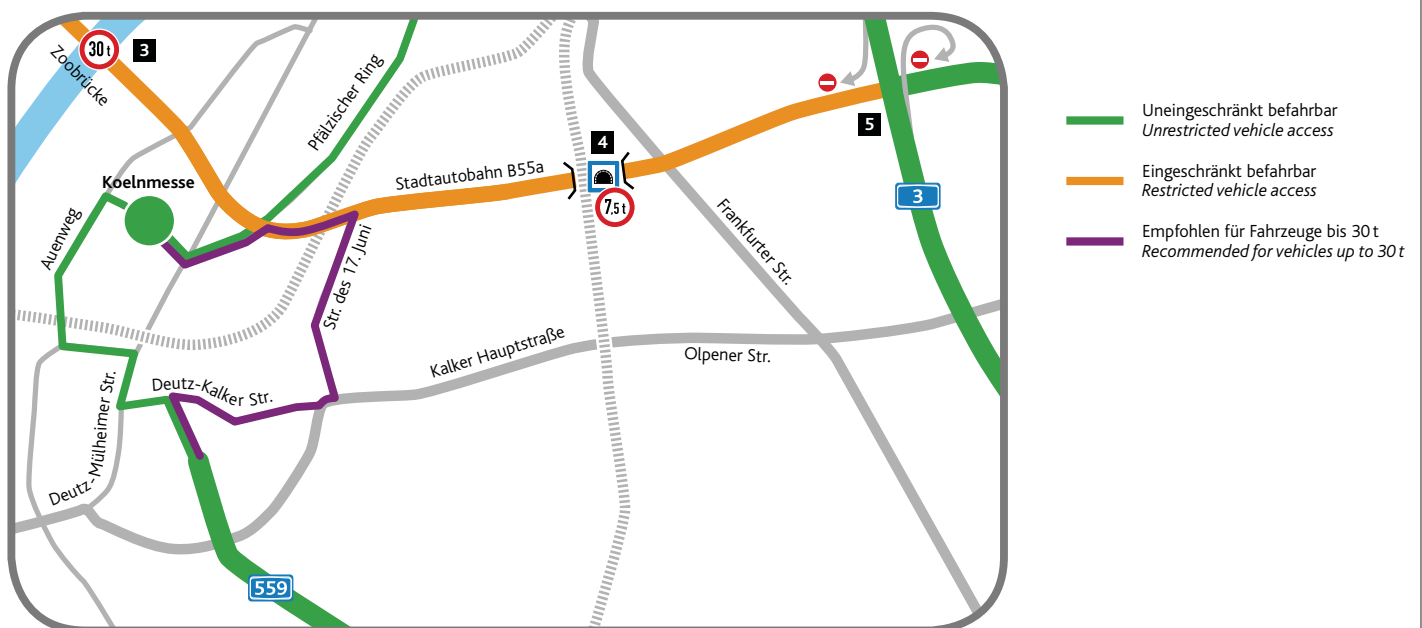
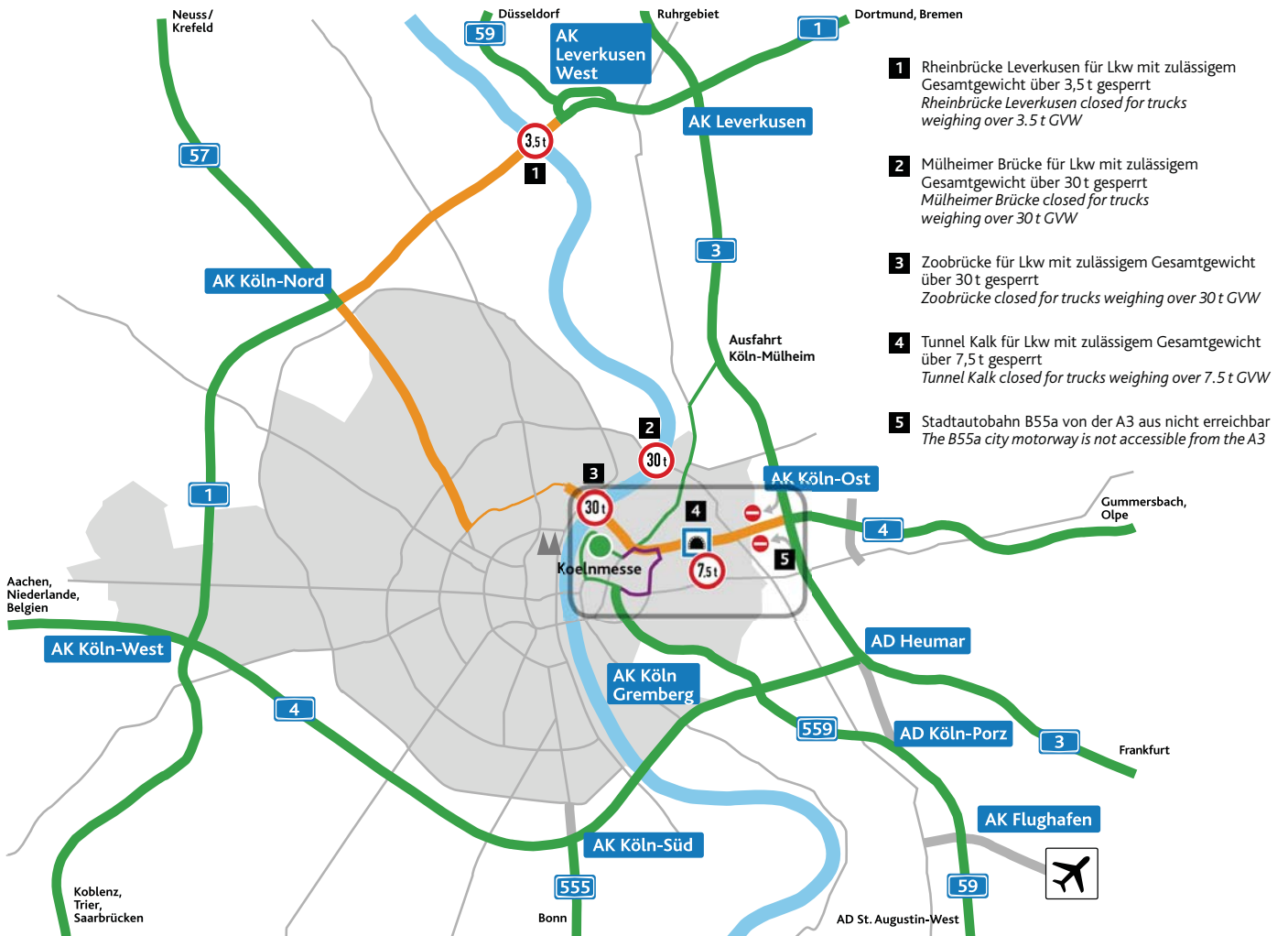
Cologne is served by a wide range of hotels offering a great selection of accommodation to suit budget requirements of exhibitors, conference delegates and visitors alike.

To book your hotels simply go to the link below to find the hotel that suits you: <http://victam.com/?i=280>

Complete the hotel form (don't forget to select 'Victam' in the dropdown box on the new page that opens when you click this site) to make your reservation.

Empfohlene Wegführung

Recommended route



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www.allaboutfeed.net/feedtechnology

The beautiful ancient city of Cologne

Tourist attractions and cultural events play a major role in the vibrant metropolis of Cologne. The city on the Rhine has plenty to offer in this regard.



Everybody is probably familiar with Cologne Cathedral, which is always worth a visit. But the city also offers many other attractive highlights to culture-focused travellers. They range from the city's museums and Romanesque churches to a wide spectrum of fountains and monuments.

You can walk through the quaint alleys of

Cologne's city centre, where you will find traditional buildings and innumerable breweries as well as hotels and restaurants to suit your taste and budget.

City of contrasts

An exciting contrast to this is posed by the ultramodern Rheinauhafen riverfront complex. The Cologne Opera, the Cologne

Philharmonic Orchestra and the city's many theatres offer a wide variety of concerts and other performances.

You can select the events you would like to attend on the Web pages of the venue in question. The website of KölnTourismus GmbH also includes an overview of other cultural events and highlights that are offered in Cologne throughout the year.



fefac European Feed
Manufacturers' Federation

58th FEFAC AGM Cologne
10 – 11 June 2015, Congress centre "Koelnmesse"
+ Hotel Cologne Rudolfplatz



Anniversary activities

Victam International will organize a number of different activities for visitors attending the FIAAP, VICTAM & GRAPAS exhibitions.

FIAAP & VICTAM industry tour

In honour of her 50th anniversary VICTAM International BV, in co-operation with Vitelia Feeds and the Feed Design Lab, will organize a feed industry tour on Monday June 8th and Friday June 12th, 2015 to the Vitelia Feed Mill and the Feed Design Lab (see opposite), both in the Netherlands.

You can register for this tour, free of charge, on our website: <http://victam.com/?i=326>. Please indicate the day that you wish to participate.

Please note that places are limited and participation will be assigned based on date of registration. The deadline for registering is Friday, May 23rd, 2015.

Visitor promotion

VICTAM is again working in co-operation with a number of industry magazines and

national industry associations to arrange organized travel to the 2015 event.

Networking lunches

Other exciting activities are the several networking lunches that will include an interesting presentation that will be organized.

For example, Tuesday June 9th for the production managers and nutritionists from the top five feed mills within each of the major feed producing countries in Western Europe. Wednesday June 10th for the members of the German Feed Association, the DVT, and on Thursday June 11th the Dutch and Belgian associations, NEVEDI and BEMEFA will host a lunch for their members.

All invitees to these lunches will receive a personal invitation shortly.

50th anniversary

Victam International will celebrate its 50th anniversary of organizing exhibitions and conferences during 2015. Victam has arranged for a number of activities in order to commemorate this achievement. These will include:



- Victam has commissioned the well known artistic photographer – Laurent Bellec to display a series of his impressive photographs of Animal Feed Mills within Europe. These will be displayed within a specially constructed viewing gallery in the KoelnMesse Boulevard which connects Entrance North to Hall 6 which is where the exhibitions are being held.

- Also within this gallery will be a chronological display of photographs, editorial, advertising and other material relating to Victam exhibitions from 1965 to the present day.

- Each visitor to the show will receive a voucher that will enable them to receive a refreshing free cup of coffee or tea from the refreshment kiosk at the rear of Hall 6.

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Feed Design Lab is the research- and education center for innovation and sustainability in the feed industry.

Innovation and knowledge sharing at Feed Design Lab

This young, ambitious company was founded in 2011 in the Netherlands and started building a brand new test factory in 2013 in Wanssum, which was presented at the official opening of the company in April 2014. Open innovation and sharing knowledge lie on the basis of Feed Design Lab. By working together on innovation and by sharing this knowledge, Feed Design Lab contributes to the ambition to get to a sustainable production chain.

Feed Design Lab describes renting the test factory, providing training to future employees and professionals and developing projects as their most important activities. Feed Design Lab is unique in this setting: nowhere else in Europe, education, research and the production of experimental/test feed take place in the same institute. All of this is made possible by the founding fathers and partners in the network of Feed Design Lab, already consisting of over 60 companies, research institutes and governments from the Netherlands, Belgium and other European countries, all working together on innovation.

The setting provides a perfect base for open innovation in the feed industry and is utilized by many partners in the network who are aspired to find new resources, develop new technologies and processes and to educate young people in the sector.

The foundation can be split up into three business units, namely: facilities, projects and education. All activities related to these three business units are expressed in the 'innovation program', which consists of Health & Wellbeing, Alternative resources, New technology and Efficiency & Environment. Feed Design Lab has lately been active in, amongst others, projects to produce soy in the Netherlands, practical tests with processing alternative protein sources (like mealworms) into feed and projects of using algae as an alternative protein source in feed. Other recent activities are setting up training for operators and organizing a symposium and network meeting for all partners and external professionals on the vision of the feed company in 2025.

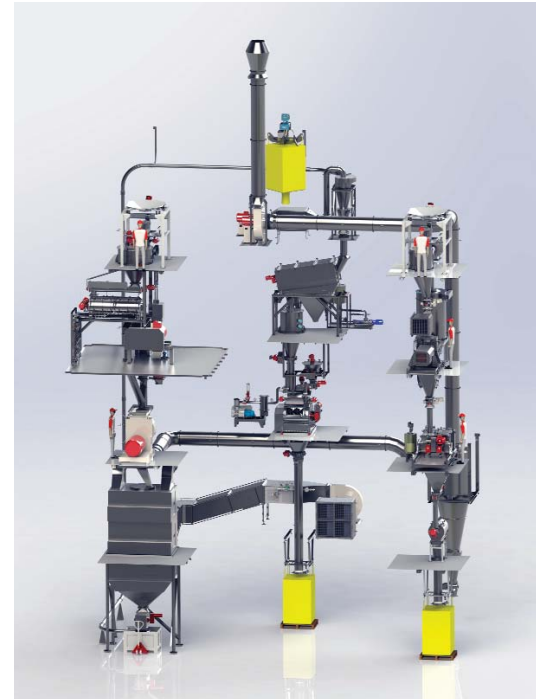
The facilities are one of the highlights by which Feed Design Lab is often recognized.

The spacious test factory may be hired by partners and other external parties. The factory is flexible in its setting, meaning that additional machinery can be placed and moved in case this is required for a certain test or project. All machines in the factory can be used and controlled independently or in line, which is ideal for trainings and courses and provides easy access for cleaning to prevent contamination of test feed. Feed Design Lab employs its own operator in the test factory, but it is always possible for companies to deploy their own operators for a test.

The plant is currently equipped with a hammer mill, paddle mixer, mesh screen sieve, conditioner, expander/extruder, press, cooler/dryer, rotary screen sieve and a vacuum coater. A line for processing wet waste streams is being prepared.

Integrity, flexibility and professionalism are three key aspects for Feed Design Lab. In short, this means that the client always decides on which way and about what communication takes place. Feed Design Lab is an independent knowledge institute which means that your intellectual property is always in good hands. When you decide to work with Feed Design Lab, you are assured of a professional and experienced team with a valuable network.

Info: contact@feeddesignlab.nl



Above: A 3D overview of the machines and lines inside the test factory.

Below: An outside view of the test factory as it was opened in April 2014. Few would notice that this building is in fact a small scale feed mill.



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Asia shows return to Bangkok in 2016

The event, now in its 25th year, with its three co-located exhibitions and complimenting series of conferences is undoubtedly the largest dedicated animal feed and grain processing event within Asia.

FIAAP
Asia 2016

VICTAM
Asia 2016

grapols
Asia 2016

The event has the support of the following Thai organisations:

- The Thai Ministry of Agriculture & Co-Operatives
- The Thai Department of Livestock Development
- The Thai Department of Fisheries
- The Thai Feed Mill Association
- The Thai Rice Milling Association
- The Thai Rice Packers Association
- The Thai Rice Exporters Association
- The Thai Petfood Association
- The Thai Chamber of Commerce
- Federation of ASEAN Feed Associations
- Thailand Convention & Exhibition Bureau



The shows will once again be held at the modern, purpose built exhibition halls of the Bangkok International Trade and Exhibition Centre or BITEC, Bangkok. The show dates are the 29 – 31 March, 2016.

Show profiles

● **FIAAP Asia 2016** is the only specialist exhibition and conference for the ingredients, additives and formulation of feeds for animals, aquafeed and dry petfood within the expanding Asia/Pacific markets.

● **VICTAM Asia 2016** is by far the largest exhibition in South and Southeast Asia for animal feed production technology. This equipment, technology, together with ancillary systems is required and is essential for the safe and effective production of feeds for animals, aquafeed and dry petfood. The sector of biomass pellet production machinery within the exhibition has grown larger over the last few years. This sector is becoming increasingly popular and important as biomass pellets are seen as an alternative green energy source in the power generation industry both in Asia/Pacific and also elsewhere in the world.

● **GRAPAS Asia 2016** is the only trade show in the Asia/Pacific region for the grain processing sectors. The show profiles rice & flour milling, grain processing, storage, preservation & distribution, industrial noodle & pasta production, the manufacture of breakfast cereals and extruded snacks. This exhibition has seen dramatic growth

over the last few years consumption of meat, eggs, milk and bread is growing throughout South and Southeast Asia.

Technical conference schedule

The FIAAP Conference – Organized by WATT Global Media, publishers of Feed International & Feed Management.

Aquafeed Horizons – Organized by Linx Conferences, aquafeed.com

Petfood Forum Asia 2016 – Organized by WATT Global Media, publishers of Petfood Industry.

Feed Safety Assurance certificate – Organized by GMP+ International.

Global Milling Conference with GRAPAS Asia 2016 – Organized by Perendale Publishing, publishers of Milling & Grain Magazine.

Biomass & Biomass Pelleting

During the event the 2nd meeting and conference of the **Federation of ASEAN Animal Feed Associations** will be held at BITEC. Additionally the **ASEAN Feed Summit** and the **ASEAN Rice Summit** will once again be held alongside these meetings. Senior members of the Associations will be in attendance.

Further information

Information on exhibition stand/booth sales is now available. Please consult our websites and download the required information or contact Patricia Heimgartner, Exhibition Manager, Victam International BV
Tel: ++ 31 33 246 4404
Email: Expo@victam.com



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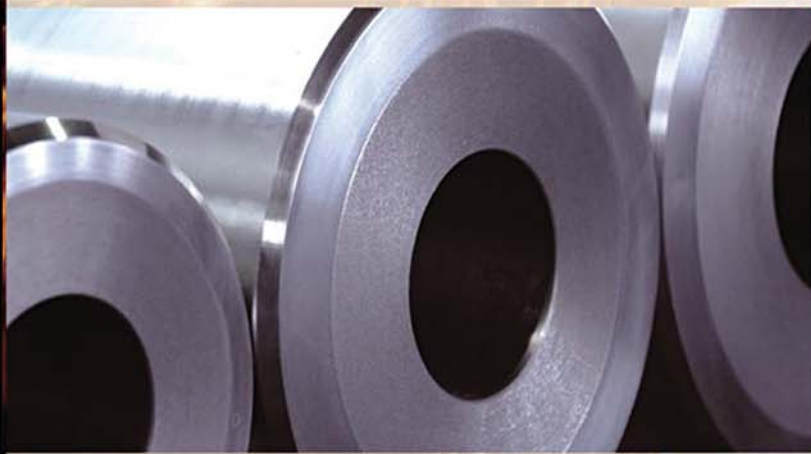
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Exhibitor Previews

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

● **4B Braime**

Bolt 'N' Go™ Drop Forged Chain. A revolutionary assembly method for forged conveyor chains reducing downtime and maintenance costs.

Link and flight assembly made easy by using a standard bolt and nut with a high strength hollow pin. No welding required, no need to remove chain from the conveyor for installation, no issues with strength.

Available in 7 sizes ranging from 102NA to 200NA.

● **AB Liros Electronic**

Grain temperature monitoring is a vital link in the post-harvest chain. It is the only effective method to ensure your commodity is stored under optimal conditions by detecting "hot spots" caused by grain respiration, moisture, insect infestation or mold.

Can you afford loss of commercial value or even spoilage of your stored commodity?

● **Abraziv E.O. and Machine Mfg.**

The Abraziv Ltd. manufactures and supplies machines and equipment for our Clients dealing with handling, storage, dosing, proportioning, pelleting or extruding.

Our activities may cover the supply of single machines/complete technological lines, and/or turn-key supply of complete feed/premix plants. www.abraziv.hu

● **Aerox B.V.**

Aerox B.V. is the world's leading odour control specialist. With our Aerox-Injector we destroy the odours that are produced in industrial processes.

The Aerox-Technology is considered as B.A.T. (Best Available Technique) by governments, authorities and companies alike. We help factories to minimize their emissions in order to comply with legislation, laws, but most important: to keep their neighbours happy.

● **Ag Growth International (AGI)**

Ag Growth International (AGI) is a leading manufacturer of portable and stationary grain handling, storage and conditioning equipment, including augers, belt conveyors, grain storage bins, grain handling accessories, grain aeration equipment and grain drying systems.

AGI has eleven manufacturing facilities in Canada, the United States, the United Kingdom and Finland, and distributes its products globally.

● **Agromatic AG**

The new Porta Digital of Agromatic is the ideal portable temperature monitoring device for smaller siloplants and flat storages, equipped with spear probes. 4800 temperature sensors can be memorized with this new device. The software is supplied free of charge.

The Porta Digital is equipped with an USB

communication interface; simultaneously acting as battery charger.

● **AllAboutFeed**

Will you be the winner of the AllAboutFeed award? AllAboutFeed, the multimedia brand for the animal nutrition and processing industry invites companies to send in their innovation for the FIAAP/AllAboutFeed Animal Nutrition Award.

The winner and runner-up prize of this prestigious award will be granted to the most striking innovations on show at FIAAP & VICTAM International 2015.

More details: innovation@reedbusiness.nl

● **Almex**

There is continuous interest in expander technology at feedmills worldwide. Since 2014 Almex is part of Triott group and as such we are now able to supply complete pelleting lines, with all up- and downstream equipment needed and control system.

Almex will show AL300 expander model at VICTAM International.

● **Amandus Kahl GmbH & Co. KG**

Three new factories for Saudi Arabia.

In 2014 the KAHL Group took three complete plants from one customer in Saudi Arabia in order: one oat processing plant, one coffee roasting plant, and an animal feed factory. The three plants are delivered synchronously, built up and put into operation in 2015.

● **ANDRITZ Feed & Biofuel Technologies**

ANDRITZ Feed & Biofuel Technologies pelleting plant solutions are developed with optimum focus on feed safety and traceability.

Production lines supplied by us are based on a complete program of well-proven process machinery and equipment in combination with integrated IT solutions, which ensure easy operation and full process traceability.

● **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. Hatcheryfeed.com is dedicated to information for aquatic hatchery operators.

● **ArcelorMittal Ringmill**

ArcelorMittal Ringmill is specialized in the manufacturing and heat processing of seamless rolled rings.

Our rings meet the most stringent levels of strength, ductility, toughness and fatigue resistance. They are perfectly designed to

produce: Pellet dies, Wear & Reinforcing Rings. Available: black or pre-machined. Material grades: X46Cr13, X50CrMoV15, 51CrV4, 42CrMo4.

● **Arodo**

Arodo designs and manufactures customized filling lines: dosing, weighing, bagging, palletising and stretchhood systems. Headquarters in Arendonk, Belgium where over 110 people are employed.

The AROVAC patented vacuum bagging system produces fully de-aerated waterproof packs for solids such as feeds, foods and grains. Capacity can be adapted to the customer's requirements.

● **Avantron/IDAH**

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 customer-centric design services, IDAH is your most trust-worthy partner to empower your business innovation in these fields.

● **Bentall Rowlands**

Bentall Rowlands Storage Systems is a leading UK manufacturer in complete storage and processing equipment solutions for agricultural and industrial markets.

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.

● **Bitzer Wiegetechnik GmbH**

Bitzer Wiegetechnik GmbH offers a wide range of non-automatic scales (e.g. truck scales and platform scales) and automatic scales (e.g. bulk scales and belt weighers).

Furthermore, company Bitzer is one of the leading suppliers of customised special constructions and automatic systems for grain quality determination.

● **BM Silo ApS**

BM Silo ApS has 50 years of experience in the manufacture of products for storing and conveying of dry materials such as: Grain, meal, feedstuffs, pellets, powders, granules etc.

● **Bruins Instruments**

The AgriCheck for Transmission and Reflectance with built-in Hectoliter Weight unit is the 2 in 1 cost effective solution for whole-grain, seed and flour analysis.

It is the system for NIR-Transmission measurements to control moisture, oil, protein, raw fibre and NIR-Reflectance measurements with static sample cell for meal, powder or liquids.

● **Bühler**

“Bühler – One step ahead in processing grains to feed.”

Bühler is more than just a supplier of machinery. As a single source provider, we assume the responsibility for the construction of your feed mill, during all the project phases. Visit our booth to discover the industry's latest developments in technology, engineering and automation.

● **CPM Europe**

Years of experience in the feed industry.

Thanks to years of experience in the feed industry, we have extensive knowledge of the specific processes and raw materials required. This allows us to optimise the relevant processes in fine detail. And because we can test on an industrial scale in our own laboratory, we can contribute to the innovation of our customers' end-products.

● **Christy Turner Ltd**

Businesses in the Animal Feed, Biomass, Wood Grinding or Breakfast Cereal sectors will be familiar with UK based Christy Turner Ltd, world renowned manufacturers of established machinery brands ER&F Turner Flaking Mills, Miracle Mill Hammer Mills, Christy & Norris Pulverizers, Hammer Mills and Grinders.

Exhibiting on stand G057.

● **Cimbria**

Cimbria is an international organization operating worldwide with design, production and installation of equipment and processing plants for all types of grain, seed and feed handling.

The product range includes a complete series of storage plants, drying, conveying, ventilation, cleaning and sorting, loading chutes and advanced control and automation systems.

● **Cofely**

The Cofely MES Toolbox is a proven and scalable modular software platform for the automation of batch and continuous processes dedicated to the feed industry.

We automate your entire production and logistics process with an innovative web-based solution. This can improve your feed mill performance with more than 10%.

● **Darling Ingredients Inc.**

With more than a century of experience, Darling Ingredients Inc. (NYSE:DAR) provides a global growth platform for the development and production of sustainable natural ingredients.

At VICTAM International its brands DAR PRO Solutions and Sonac will present their reliable and high-quality ingredients for application in swine, poultry and aqua feed.

● **Datator Systems**

We have built a strong reputation in Agriculture over 35 years for software innovation, high quality system design and service.

Datator Systems will be showcasing its latest process control system Imperium, enhanced graphics, SQL open data, (O.E.E, Downtime, K.P.I's) and browser interface. Also on display will be our E.R.P, finite scheduling software.

● **De Molenaar**

De Molenaar, the only trade journal for the grain processing industry in The Netherlands and Belgium, congratulates Victam on its 50th anniversary.

In the 68th year of its own existence, De Molenaar was pleased to announce the first VICTAM fair ever. And we've remained business partners ever since.

● **Dinnissen BV**

The D-Topline Hamex® Hammer mill with automatic screen changer can handle grinding capacities of up to 45,000 kg per hour, and the screen changer has space for 4 to 6 different sets of screening panels.

The mechatronic screen changing system automatically selects and places the appropriate set of screening panels in the hammer mill.

● **DLG Service GmbH**

EuroTier 2016 is the world's leading trade fair for animal production, taking place from 15 to 18 November 2016 in Hanover, Germany.

Alongside EuroTier, EnergyDecentral will be held, which is the international trade fair for innovative energy supply. Welcome at EuroTier and EnergyDecentral in 2016!

● **DSL Systems**

DSL Systems have been installing control and automation systems for feed and grain plants for over 35 years.

DSL have an ever growing reputation for providing easy to use, flexible and innovative control systems, backed up by their excellent support service and expertise in the feed and grain sector.

● **eFeedLink Pte Ltd**

eFeedLink is a leading market information and content provider to the global feed and livestock industry and conducts market research in various Asian agricultural sectors.

With in-depth understanding of agribusiness issues, we provide industry news & information, corporate services, market research to industry enterprises, agricultural advisories, and investment analysts globally.

● **EMT GmbH**

EMT GmbH, affiliate and co-exhibitor WAM GmbH, offers high-quality mixing

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**June 10, 2015
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At **Petfood Forum Europe 2015**, leading petfood industry experts will educate you with new information and ideas to expand your business, by presenting the latest technologies to help manufacturers and marketers innovate and develop the next generation of petfood products.

This exclusive conference offers prime networking opportunities as well as the chance to connect with leading feed and grain equipment and ingredient suppliers exhibiting at Victam/FIAAP/GRAPAS. Petfood Forum Europe will again be co-located with the VICTAM International Exhibition, which combines the FIAAP, VICTAM and GRAPAS events (and their respective conferences) under one roof at Koelnmesse in Cologne, Germany, June 9-11, 2015, and will attract a large audience of Feed professionals from all around the world.

*Registration includes all
educational sessions, session
materials, a light breakfast, networking
lunch and refreshment breaks.*

Aquafeed Horizons

JUNE 9, 2015, COLOGNE, GERMANY

The aquafeed industry's leading international technical conference returns to Cologne with a stellar line-up of industry experts and applied scientists



Towards Sustainable Feed and Food for the World:
Working Together with International Organizations

- Alexandra de Athayde, Executive Director, International Feed Industry Federation (IFIF), Germany

Ingredient Selection and Extrusion Parameters
for Aquatic Feeds

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

Effect of Extrusion Technology on Physical and
Nutritional Quality of Extruded Fish Feed

- Urs Wuest, Director Market Segment Aquafeed, Bühler AG, Switzerland

Future Possibilities and Demands in Salmon Feed Production

- Dr. Mari Moren, Director of Nutrition and Feed Technology, Nofima AS, Norway

***Program subject to change**

Practical Manufacturing Constraints and Their Impact on
Feed Formulation Resource Allocation Models

- Ian Mealey, Head of Operations, Format International, U.K.

Innovating by Experience : Ideas and Cases

- Dr. Olav Fjeld Kraugerud, Manager, Centre for Feed Technology, Norwegian University of Life Sciences (NMBU), Norway

Advanced Research Initiatives for Nutrition & Aquaculture
(ARRAINA): Fine tuning the delivery

- Dr. Jorge Dias, Co-Owner & General Manager, Sparos Lda, Portugal

Acidifier Concepts in Aquafeed: Technical and Functional
Considerations

- Tilman Wilke, Product Developer, Dr. Eckel, Germany

Technical Extrusion Topic TBC

- Finn Normann Jensen, Director of Global Business Development & Marketing, Andritz Feed & Biofuel, Denmark

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Brought to you by Aquafeed.com, the aquafeed industry's information provider since 1998 and supported by Victam International.

Early registration strongly advised.

Pre-registration required for a guaranteed place.

feedconferences.com

technologies for animal feed processing plants.

Main types in EMT's animal feed mixer range are Batch-type Single Shaft Mixers, Ribbon Blenders and Molassing Mixers. Various options like different mixing tools, liquid injection and choppers allow the customization to individual needs.

● **ENTIL AS**

ENTIL, is one of the establishments of Zeytinoglu Holding since 1964 and offers high quality rolls for Flour and Feed Mills and for oilseeds, chocolate and plastic industries.

ENTIL started manufacturing cylinders in 1974 with the process of double layer centrifugal casting. ENTIL is leadershiping the world market with its quality, capacity and innovations.

As a result of the investments in 2013, ENTIL with its new technique and processes has started presenting innovations in quality to the milling machine industry. After the investments about new technology, hardware and qualified personnel, ENTIL has increased its annual cylinder manufacturing capacity to 20.000 rolls according to the expectations of the world milling market.

● **FP Engineering Ltd and 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.

● **Feed Design Lab**

The research and education center for innovation and sustainability in the feed industry.

We are a young and ambitious company with over 60 partners in a valuable network. We provide courses and create innovative projects. In our brand new test factory we facilitate research, training and practical tests.

● **FEROTEC**

Since 1992, 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, biomass,...

We manufacture all types of ring and flat dies with hole diameters from \varnothing 1,8 mm to \varnothing 30 mm.

● **FineTek Co., Ltd.**

FineTek provides a widely range for powder/solid application. We are an ISO 9001:2008 certificated manufacturer in

Taiwan with decades of experience in manufacturing automation process control instrumentation since 1979.

We provided variety products with best quality and good performance, which are match ATEX/UL/ABS/GL/CE...approvals. Our products range are following:

1. Level sensor for Feed machinery and silos.
2. Total instrumentation & automation solution for Feed plants and machinery.
3. Silo Level & Temperature 2-in-1 sensor.
4. Instrumentation for poultry and animal feed plants.
5. Pneumatic Air Hammer and vibrators for bins.
6. Radar level transmitter.
7. Rotary paddle level switch.

● **Fischbein**

Fischbein, leader in Bag Closing Technology, will present different solutions at VICTAM International:

- TOS3000-SL for a double closure at once: seal an in liner and apply a tape on the closed bag.
- SB2000 sealer for all type of bags.
- Portable stitchers in several versions, for applications with small output.

● **Fjordvejs Maskinfabrik A/S**

Fjordvejs Maskinfabrik A/S design, manufacture and marketing equipment for the feed industry worldwide. Our vision is to design long lasting equipment according to your demands.

Main range of products: Chain, screw or belt conveyors. Bucket elevators. Weighing equipment. Micro, midi or maxi dosing plants. Ship loaders and unloaders.

● **Forberg® International**

Forberg® International is supplier of equipment for Feed Industry with more than 40 years long tradition.

We offer Forberg® Horizontal Twin-Shaft Paddle Mixers with superior mixing results for powdery, granular and liquid components (CV of 5 or less). Our Mixers are highly productive, with flexible filling levels, minimal maintenance cost and low energy consumption.

Following the trends of modern Feed production we have also developed systems like:

- Rotating Vacuum Coaters for Fish Feed and Pet Food Industry
- Steam Heat Treatment System for production of Layers Feed

Beside single machines, we offer tailor made solutions for complete process lines for production of feed and pet food as well as production of premixes and medicated animal feed.

Our extensive experience is guaranty for reliable partnership and high quality solutions.

● **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.

● **Frame FP**

Frame FP corrugated steel storage silos offer versatility, fast assembly and a low cost per tonne.

We meet all customers requirements:

- A wide range of models, from 3.5 meters to 32.0 meters diameter.
- Storage capacities in excess of 20,100 cubic meters.
- Suitable for all free flowing cereals.

● **Friedrich Electronic**

Friedrich Electronic, stand E003, introduces smart continuous weighing, dosing and mixing applications for grain and flour processing industries.

Our products:

- Flow Controller: grain dosage.
- Batch Controller: truck loading of cereals.
- Vertical Pipe Weigher: grain weighing.
- Rotor Weigher: flour weighing.
- Automatic Dampening System: moisture measurement and water dosage.
- NIR measuring device.

● **FrigorTec GMBH**

FrigorTec's GRANIFRIGOR™ grain cooling device was launched in 1963 and has been in operation cooling grain around the world ever since. The GRANIFRIGOR™ grain cooling process has been successfully installed in over 70 countries. The model encompasses 11 model sizes.

For more information please also visit us under: www.frigortec.com

● **GSI Group LLC**

GSI is a world class manufacturer of grain storage, material handling, conditioning and drying equipment as well as a full line supplier of swine and poultry production equipment.

Along with our local partners, we are just around the corner bringing expertise from around the world delivering integrated solutions that help our customers achieve their goals in the grain, swine and poultry industry. www.gsieame.com

● **Geelen Counterflow**

As inventor of the counterflow cooler and counterflow dryer, Geelen Counterflow is worldwide market leader, building 400 – 500 units per year with references in over 100 countries.

The company strives to eliminate all

INTERNATIONAL PELLET CONFERENCE
Challenges and Innovation for the Market

09 June 2015 | Cologne, Germany



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Organized during the Victam International 2015

negative environmental impacts from its own operations and from its customer's drying and cooling processes.

● **C. Gerhardt GmbH & Co. KG**

Highly efficient, precise and reliable analytical systems for the WEENDER Feed Analysis.

Automatic systems for determination of:

- Kjeldahl-Nitrogen • Dumas-Nitrogen
- Crude fat (hydrolysis and extraction)
- Crude fibre, ADF, NDF | HCl insoluble ash – developed and manufactured by: C. Gerhardt GMBH & Co. KG – hall 6, booth G022.

● **Guttridge Ltd**

With 50 years' of experience in the design and manufacture of bulk materials handling machinery, Guttridge have a proven ability to deliver "right first time" solutions.

Suppliers of grain handling, milling and food conveying applications, we offer standard ranges, bespoke machines and spares for all makes of conveyor.

● **Hunan Xiangliang Machinery Manufacture Co. Ltd.**

Hunan Xiangliang Machinery Manufacture Co. Ltd. dedicated to produce series rice milling machines, grain unloaders and belt conveyors with 58 years experience.

Our products had qualified ISO and CE certification. Our after sales service team are available for worldwide clients at any time. Please contact with us:

Email: cathy_yao115@hotmail.com

Tel: 0086 1346 7696 115

Website: www.xljxc.cn

● **Hydronix Ltd**

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

Designed for the feed and grain industry, Hydronix high precision linear sensors can be installed in or under bins / silos, chutes and in most mixers and configured and controlled remotely over a network connection. Details: www.hydronix.com

● **IMAS Integrated Machinery Systems**

MSP Supersense Purifier:

- Enduring aluminum body on steel construction base with less weight.
- Movement at same angle in every part of the machine and balanced movement during start and stop, thanks to single-motor system.
- Weight-adjusted feeding valve for effective stock distribution to increase performance.
- Transparent, easy to clean aspiration channel.
- Air regulation valves with gear mechanism to make sensitive regional aspiration.
- Innovative frame locking mechanism to prevent product leakage.

- Stainless outlet tray designed for avoiding impurities.
- Low-maintenance, sanitary, user-friendly structure.

● **Insta-Pro International**

Insta-Pro International is a world leader in extrusion technology for food & feed processing with customers in over 100 countries.

Our technology is used to process a wide range of crops into nutritious food & feed products. Application examples: oilseed processing, soybean/grain processing, emergency relief food, animal food and by-product processing.

● **Inteqnion**

Knowledge, quality, craftsmanship

Inteqnion is specialized in the design, manufacture and implementation of control systems in the processing industry.

Our solid and reliable solutions are used by producers all over the world. Many of these systems are computer controlled and technical supported by modem or internet. Inteqnion: The Process Improvers. www.inteqnion.com

● **Internationale Forschungsgemeinschaft Futtermitteltechnik e. V. (IFF)**

IFF will once again organise a one-day conference on the ever changing subject "Feed Processing" on 11th June 2015. Experts will present a series of papers on this subject.

At the IFF exhibition stand, real-time pelleting is demonstrated hourly. The produced bath-salt pellets are provided as give-away to the visitors.

● **International Health Care Limited (PVS Group)**

International Health Care Limited is India's leading manufacturers & exporters of animal health care specialties.

IHC is accredited with WHO, cGMP, ISO 9001:2008, and ISO 14001:2004 certifications with a strong commitment and ability to deliver the quality products.

The company has business network in many Asian, African and European countries.

● **Kombikormovaya (Compound Feeds Magazine)**

Compound Feeds Magazine is a unique Russian periodical (12 times a year) covering all aspects of compound feeds production and use: economics, technique, quality, efficiency.

Our subscribers: feed millers, poultry farmers, stock-breeders in Russia, Kazakhstan, Ukraine, Belarus, the Baltic States, Uzbekistan, Azerbaijan, etc., Russian and foreign companies involved in feed production.

● **LA Meccanica SRL Di Reffo**

Technology and creativity at your service. Machinery, equipments, spare parts and technical assistance for the production of pellets for animal feed, biomass, fertilizers and recycling. Since more than 50 years.

Strengths: precision, quality and customization.

● **Mathews Company**

Headquartered in Crystal Lake, IL (U.S.A.), Mathews Company has been a leading global manufacturer of high quality innovative agriculture equipment, specializing in grain drying since 1954 and celebrated its 60th year in business in 2014.

Known worldwide for highest quality products, new technologies like the moisture control system, AccuDry is quickly proving to be the preferred choice for producers and commercial operators.

M-C carries a full line of continuous flow dryers: Expandable modular series dryers from 10 metric tonnes/hr up to 117 tonnes/hr; Tower Series up to 112 tonnes/hr. M-C dryers are available through authorized dealers worldwide.

● **Menci & C. S.p.a.**

Bulk feed tank for transportation of animal feed or biomass with auger unloading!

● **Mitchells Europe**

Mitchells is a process and product handling specialist, designing and manufacturing customised conveying solutions for the Animal Feed, Oilseed and Grain industries.

With offices in Singapore, China and Europe and installations in over 40 countries across six continents, Mitchells can be your global partner.

● **Molini d'Italia**

Molini d'Italia is the official organ of Italmopa – Milling Industry Association, and the official Magazine of Antim, Association Technical Milling Industry.

New Business Media cooperates to spread the magazine at best. Inside general trends, news, articles and analysis that are of interest to the milling and the cereals sector.

● **Molino Inc**

Since its founding in 1965, Molino is the largest and oldest producer in Turkey in the field of production of flour mill and grain silo equipment.

We have completed very prestigious projects all over the world successfully by realizing turn-key projects at below:

- Flour Mill • Semolina Mill • Storage silos
- Port Facility (Loading / Unloading Grain)

Having very competitive prices compared with our very high quality with great facility of production, researching & developing,

engineering, up-dated manufacturing technology. In addition, very short manufacturing and delivery time.

● **Muhle & Mischfutter**

Muhle & Mischfutter is a specialist journal and a valuable source of information to both entrants and experienced professionals.

It offers up to date technical treaties, research reports, and working tools all about the mill and compound feeds industry as well as agricultural and bakery issues of any kind. www.vms.detmold.de

● **Nerak**

Nerak Continuous Bucket Conveyors are designed for high capacity combined vertical and horizontal conveying of loose bulk materials where only one discharge point is required.

Each bucket is securely attached to adjacent buckets and located between two steel reinforced toothed rubber block chains by a connecting rod which is retained with stainless steel clips. The assembly with no moving parts is capable of high conveying rates up to 200 m³/hr.

Large capacity and quiet gentle handling enable Nerak bucket elevators to be used equally for delicate foodstuffs and coarse, abrasive materials.

● **Orient-Sunrise International (Qingdao) Co. Limited**

Orient-Sunrise International (Qingdao) Co., Limited is one of the most professional roller shells manufacturer and exporter in China. Welcome to our stand at A043 at VICTAM International 2015.

Also you can visit our website www.osint-shell.com

Contact: Wang Meng
Email: orient sunriseint@hotmail.com
Tel: (86) 532 8487 6605
Mobile: (86) 132 0638 5351

● **Ottevanger Milling Engineers**

Ottevanger Milling Engineers, one of the leading European companies in the design and manufacture of equipment and complete plants for the grain processing and compound feed industry.

Ottevanger, specialist in premix plants, feedmills, pet food plants, complete flour mills, concentrate plants.

Craftsmanship in the animal feed and food processing industry. www.ottevanger.com

● **Pelleting Technology Netherlands (PTN)**

Pelleting Technology Netherlands (PTN) is active in the development, engineering, production, sale and servicing of pelletizers and related machinery for the compound feed, recycling and biomass industries.

As one of the few globally operating and specialized manufacturers of pellet mills,

we aim to become the most respected professional OEM. www.ptn.nl

● **Perendale**

We publish magazines allied to food and feed; one since 1891.

Perendale Publishers Limited is creative, factual, innovative and dedicated to both the agriculture (milling) and aquaculture (feed) sectors, reaching key industry readers and decision makers. Our reach is growing. We use up-to-the-minute digital methods of distribution that complement our printed circulation.

What are our magazines? International Aquafeed, GFMT which will be published every month from January 2015 and to re-brand the magazine 'Milling and Grain' in January 2015.

After careful thought we have decided to shorten our title, revert to our 'Milling' roots (we were published as 'Milling' for the first 90 years) while emphasising the importance of the grain supply chain and retaining our unique coverage of the feed sector which we have reported upon for over 50 years.

We also publish the International Milling Directory

● **Precia-Molen**

Precia-Molen has been providing weighing solutions to industry for more than 148 years.

Since 1867 the company has been at the forefront of the weighing industry and established a world-wide reputation for quality and reliability.

Weighing, dosing, counting, controlling: from design to after sales service, Precia-Molen is able to provide total weighing solutions for all industry sectors.

● **Promtek Ltd**

- Stocktakes rarely make sense?
- External audits stressful and difficult to prepare for?
- Paper production records?
- Highly dependent on a skilled workforce that is close to retirement?
- Relying on obsolete equipment?

If your answer is "yes" to any of these questions, come and see Promtek at stand F064, Hall 6!

● **PTM Technology**

PTM Technology is pleased to bring to the international millers the latest developments in the construction of chain and belt conveyors, and bucket elevators that the Italian company has successfully supplied to international flour and grain millers in the last 20 years.

PTM customized product range includes over 120 models.

● **Radar Automation NV**

Software for the automation of administrative, operational, logistic and

research tasks, inherent to the compound feed sector :

- Operra for the management of purchasing, hedging, supply, trading and cost-price calculation of materials;
- Libra for optimization and quality control;
- Integra for the management of production, traceability and sales functions.

● **Repete Corporation**

- Full mill, intelligent control of all process areas.
- Lot Tracking solutions to meet regulatory requirements and mitigate commercial risk.
- Enterprise level integration with business systems.

Stand: B042, Hall 6

● **R K Bio Feed Machine**

With an innovation-based approach, RKBFM is a reputed turnkey solutions provider for pelleting of Animal Feed and Bio-fuel (including wood pellet) since its inception in 1997. Its services include project conceptualization-design-development & execution of automatic PLC and SCADA based plants and spares support through in-house spares division.

Visit us at VICTAM, booth D034, Hall 6. See more at: www.rkbm.com

● **Rosal Instalaciones Agroindustriales**

Rosal is a company dedicated to the construction of complete feed mills since 1956 and with more than 400 references in the worldwide market.

Furthermore, together with our ability to engineer, design and installation, we are focused on the manufacture of machinery that makes up a feed mill.

- "Turn key" feed mills plant
- Premix plants
- Pellet presses
- Hammermills
- Bucket elevators
- Conveyors
- Sieves
- Chains
- Counterpulos coolers
- Granifigor

● **Rotex**

Since 1844, Rotex has been an innovative pioneer in the development of screening for dry separation.

The equipment range includes screeners, size analysis, feeders and conveying machinery.

- Gyrotory and Vibratory Screeners and Sifters for Dry Applications
- Automated Particle Size Analyzer
- Vibratory Feeders & Conveyors
- Aftermarket Parts and Service

● **ROVA N.V.**

ROVA – ROVASAC is a manufacturer of packaging and packaging equipment.

We make small and big paper bags with up to 8 colours printing and supply other packaging as big bags, plastic bags and raschel bags. Together with the packaging we supply complete packaging lines from weighers till palletisers.



Global Milling Conference *with* graspas 2015

Cologne Exhibition Halls, Cologne, Germany

June 11, 2015 10am - 5pm

A one-day conference for flour, rice and cereal millers.

Hear keynote speakers address topics of relevance to today's milling industry. Make your plan now to join us on Thursday June 11, 2015 in Cologne, Germany.

Covering: Flour and Rice Milling Technology / Storage and Handling Systems / Quality Control

Three two-hour sessions:

Food Safety / Quality Control

Nutrition / Milling Technology

Markets / Storage / Handling

Visit the GRAPAS International Exhibition at the Cologne Exhibition Halls from June 9-11, 2015 and wrap up your visit by attending the one-day Global Milling with GRAPAS Conference on Thursday, June 11 at the show grounds. GRAPAS International is a co-located exhibition with Victam International 2015 and FIAAP International 2015.

Session 1 - 10:00-12:00 *Food Safety / Quality Control*

- Training - The benefits from qualified staff
- Regulations
- Heat treatments

Session 2 - 13:00-15:00 *Nutrition / Milling Technology*

- Flour Fortification - Millers fighting malnutrition
- Fibre, Protein and Gluten-Free - Challenges for human consumption
- Dealing with customer complaints

Session 3 - 15:00-17:00 *Markets / Storage / Handling*

- Harvest Report - Soft and hard wheat supply from the USA
- The Roller Mill Revolution
- Milling 24/7 - A Miller's Experience

Sponsorship opportunity - Companies are invited to sponsor sessions. Please contact rogerg@perendale.co.uk for more details

Also at the event - see the presentation of the annual GRAPAS award for innovation

€75/full day or €30/session

Registration for the conference will open on March 1, 2015 at: www.gfmt.co.uk/grapas15

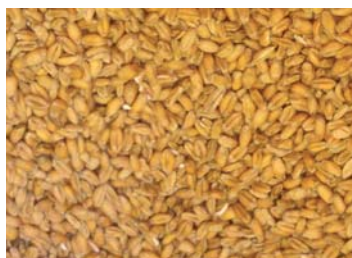
Visitor information for the events can be found at

<http://www.victam.com/?i=260>



Attend the year's primary feed-focused educational conference

June 9, 2015
Koelnmesse
Cologne, Germany



Learn how to improve
feed industry profitability
with solutions for
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WWW.FIAAP-CONFERENCES.COM

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Feed International
Leader in Technology, Nutrition and Marketing

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Join us for the 6th annual Feed Ingredient and Additive (FIAAP) Conference, taking place June 9, 2015, in Cologne, Germany, and co-locating with VICTAM International.

This one-day education and networking conference will feature a mix of presentations on ingredients and additives, and will touch on broader issues critical to animal feed producers and formulators. Each will be presented by researchers and thought leaders from around the world.

The 2015 VICTAM International event combines the FIAAP, VICTAM and GRAPAS exhibitions (and their respective conferences) under one roof at Koelnmesse in Cologne, Germany, June 9-11, 2015.

Registration includes all educational sessions, session materials, a light breakfast, networking lunch and refreshment breaks.

● **Salzhausener**

Maschinenbautechnik SALMATEC

The company Salzhausener Maschinenbautechnik SALMATEC started in 1972 with the manufacturing of wear parts for all makes of pelletizers.

More than 1500 pelleting units in different sizes were delivered mainly to feed industries, for recycling end environmental processes and also for biomasses pellets from renewable raw materials.

● **SCAFCO Grain Systems**

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 has supplied grain storage projects to over 80 countries worldwide. SCAFCO products are engineered for quick on-site assembly, simple operation, and lasting quality.

● **Schmiedewerke Gröditz GmbH**

Schmiedewerke Gröditz GmbH is one of the leading companies for the production of seamless rolled rings for pellet dies.

Those have been used successfully for more than 20 years in pellet press of well-known companies worldwide. We produce everything on our own (from the steel to the finished ring blank).

● **Schrage Conveying Systems**

Optimum bulk material conveyance

Our tube chain conveyors offer numerous advantages over other conveyor systems and are characterized by high efficiency and reliable continuous operation.

Capacities up to 230 m³/h and conveyor lines up to 60m horizontally or 40m vertically are all possible.

● **SCHULZ Systemtechnik**

SCHULZ Systemtechnik is among the leading suppliers of investment goods across a wide range of branches.

Established in 1954 in Visbek in Lower Saxony, Germany as a classic trade business, the company developed into an internationally operating group.

Stand information: C015

● **ST Automation**

Co-exhibiting with Tovalia Intelscan, ST Automation brings innovation and new technologies in the control processes and production in the areas of food, animal feed, pet food and flour mills.

● **Supertech Agroline ApS**

Supertech Agroline develops, manufactures and sells high quality post-harvest equipment.

Many years of hands-on experience give us an unmatched competitive advantage, a unique and reliable product range,

comprehensive portable moisture analyzers and temperature monitoring and control systems.

Our aim is: Fast and accurate service to the customer in all phases.

● **SYMACH**

In a world where an efficient logistics chain is essential, SYMACH makes the difference.

With custom-built solutions, SYMACH operates internationally in various industries: from agricultural over Pet food to industrial, food and chemical industries. SYMACH offers knowledge and expertise at every stage of design, construction, installation and maintenance.

● **Tebodin B.V.**

Tebodin B.V. is a multidisciplinary consulting and engineering firm, who offers independent services within the following markets: industry, health and nutrition, oil and gas, chemicals, infrastructure, real estate, energy and environment.

Because of our worldwide network and 4,900 dedicated professionals, we are always close to our clients.

● **Technex**

Technex manufactures and markets the complete technological solutions for compound feed and food-processing industries.

- Feed mills; • Aquafeed production lines;
- Production lines for premixes, concentrated feed, milk substitutes, etc.;
- Biomass pelleting.

Technex executes the whole range of works: engineering, design, installation supervision, start-up and commissioning, automation, warranty maintenance, spare parts supply.

Equipment: Pellet-mills; Extruders; Coolers; Weighing systems; Mixers; Mills; Liquid component additional and finish systems; Separators; Bucket elevators; Drag and screw conveyors; Aspirating equipment. Welcome to our stand D061!
www.technexgroup.com

● **Tecnofood Italia**

Tecnofood Italia designs and manufactures thermo-flaking and toasting plants for the processing of cereals and legumes.

Through the supply of machines, process know-how and customized services based on the specific customer requirements, the company offers vanguard solutions for breeding farms, cereals collection centers and fodder manufactures.

● **Top Silo Constructions**

Have you always thought that silos are round? Not with TSC Silos. As a steel silo specialist we decidedly focus on square which stores >25% more than round.

The modular construction offers unlimited variation possibilities for the storage of all

kinds of dry bulk and solids like grains and granules.

● **Tovalia Intelscan**

Tovalia Intelscan invites you to see the latest generation of online moisture sensors. Tovalia also offers process control for coolers to optimize quality and profits.

● **V.A.V. Conveyor Components & Solutions**

V.A.V. Conveyor Components & Solutions is continuously looking for improvements for their standard chain and elevator programme.

Different base materials and precise heat treatment processes will give companies in all kinds of industries the best possible quality. Our experienced staff is qualified to advise you on many questions or problems in your conveyors: both bucket elevators and chain conveyors.

● **Van Aarsen International**

Van Aarsen International supplies machines and complete factories for the production of compound feed.

We offer the certainty of an investment that provides maximum added value. We are pleased to define with you the optimal solution and show you how our qualitative machines can help you lift production and lower operational costs.

● **VDL Industrial Products**

VDL Industrial Products has developed the new Medium Duty (MD) dosing valves.

These valves are especially built and tested for dosing- and pneumatic conveying of powders and granulates.

Our modular building concept allows us to use "of the shelf" parts.

● **Vortex Valves**

For over 35 years, Vortex has provided quality slide gates, diverters, iris valves and loadout equipment designed specifically for handling dry bulk solids in gravity, vacuum, dilute, or dense phase applications.

With an in-house team of engineers, Vortex products can be completely customized for individual applications or special installations

● **WAM GmbH**

WAM GmbH, the German trading subsidiary of WAMGROUP – world leader in bulk solids handling and processing equipment – offers a wide range of components especially developed for animal feed processing applications, such as bulk conveying, dosing and discharging, filtration, silo equipment and components for pneumatic conveying.

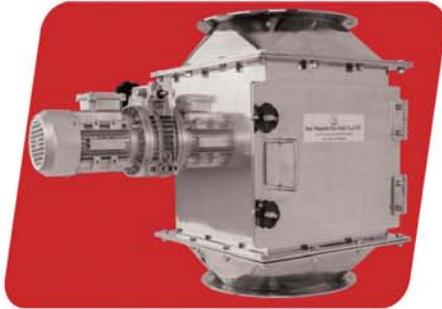
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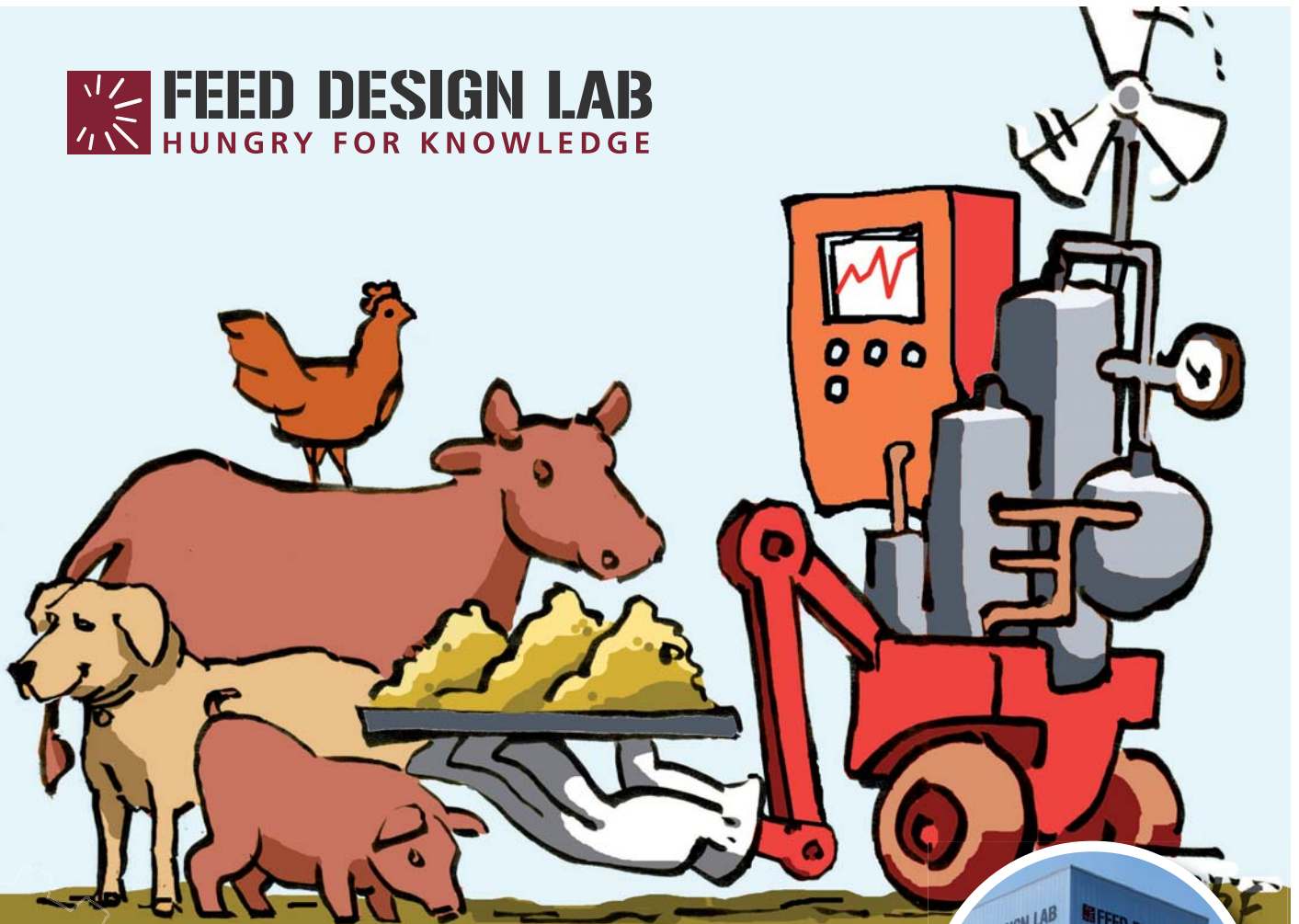
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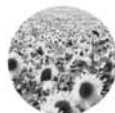
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