

## Evonik commissions second complex for MetAMINO® production in Singapore

June 18, 2019

- Evonik opens second world-scale plant for methionine production for its Asia growth market
- Repeat investment of more than half a billion euros
- Evonik's annual global capacity of DL-Methionine now rises to 730,000 metric tons

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Essen / Singapore. On June 18, 2019, and following the scheduled two-year construction period, Evonik officially commissioned its second complex for the production of MetAMINO® (DL-Methionine) and strategically important precursors in Singapore. Officiating the opening ceremony as guest-of-honour was the Singapore's Deputy Prime Minister, Heng Swee Keat.

“Our methionine complex on Jurong Island, which we commissioned in late 2014 has been a real success story. Now, we want to continue the success story with this second plant,” said Christian Kullmann, chairman of the Executive Board of Evonik, during the opening festivities.

Each plant has an annual production capacity of 150,000 metric tons of DL-Methionine, elevating Evonik's annual global capacity to approximately 730,000 metric tons. The new complex has been modeled on the successful existing plant and has been constructed right next to it.

“Synergies from the infrastructure that we set up in 2014, the complete backward integration of both plants into the precursor products, and the joint operation of the entire complex will bring about significant structural efficiency gains,” added Kullmann. In total, Evonik has invested more than half a billion euros and created more than 100 jobs in the new complex.

Evonik produces MetAMINO® in world-scale plants in Antwerp (Belgium), Wesseling/Cologne (Germany), Mobile (Alabama, USA), and in Singapore. This global production network ensures the highest supply security for its customers.

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Registered court  
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Commercial registry B 19474

As Johann-Caspar Gammelín, Chairman of the Board of Management of Evonik Nutrition & Care GmbH, explained, the demand for the methionine amino acid for animal nutrition in Asia continues to show strong growth. “On the one hand, the growing consumer affluence in Asia supports the increasing demand for animal protein. On the other, producers are increasingly focusing on more sustainable production of meat, eggs, milk, and fish. We are proud that our MetAMINO® plays a key role in supporting these efforts,” said Gammelín.

“Evonik's commitment to Singapore has a long and good tradition. With this additional facility on Jurong Island, we will further strengthen our competitive position as a market leader in the region,” added Peter Meinshausen, Regional President Evonik Asia Pacific South.

Evonik's Animal Nutrition business line has over 60 years of experience in the manufacture of essential amino acids and provides customers in more than 100 countries with solutions for efficient and sustainable animal nutrition. By extending its product range to include additional innovative and sustainable solutions in feed additives, and digital software concepts for efficient farm management, Evonik is making a substantial contribution to a holistic approach to healthy animal nutrition and sustainable animal husbandry, while creating added value for its customers.

The scientifically proven products and services offered by Evonik in the animal nutrition sector play a key role worldwide in the manufacture of healthy and affordable foods, while preserving natural resources and help to reduce the industry's ecological footprint. Ultimately, Evonik is committed to applying scientific concepts and solutions to solve the food challenges the world is set to face in the upcoming years. “Sciencing the global food challenge” – that's the Evonik Animal Nutrition commitment.

**About Evonik**

Evonik is one of the world leaders in specialty chemicals. The focus on more specialty businesses, customer-oriented innovative prowess and a trustful and performance-oriented corporate culture form the heart of Evonik's corporate strategy. They are the lever for profitable growth and a sustained increase in the value of the company. Evonik benefits specifically from its customer proximity and leading market positions. Evonik is active in over 100 countries around the world. In fiscal 2018, the enterprise with more than 32,000 employees generated sales of €13.3 billion and an operating profit (adjusted EBITDA) of €2.15 billion from continuing operations.

**About Nutrition & Care**

The Nutrition & Care segment is led by Evonik Nutrition & Care GmbH and contributes to fulfilling basic human needs. That includes applications for everyday consumer goods as well as animal nutrition and health care. This segment employed about 8,200 employees, and generated sales of around €4.6 billion in 2018.

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## About Evonik Industries

Evonik is one of the world leaders in specialty chemicals. The focus on more specialty businesses, customer-orientated innovative prowess and a trustful and performance-oriented corporate culture form the heart of Evonik's strategy. Performance, Trust, Openness and Speed are our key values – and they are the lever for profitable growth and a sustained increase in the value of the company. Evonik benefits specifically from its customer proximity and leading market positions. Evonik is active in over 100 countries around the world with more than 32,000 employees. In fiscal 2018, the enterprise generated sales of 13.3 billion euros and an operating profit (adjusted EBITDA) of 2.15 billion euros from continuing operations.

## Evonik in Asia Pacific South

Evonik's presence in Asia Pacific South dates back to 1920's when we began establishing customer relationships and importing a broad range of products. Since then, we have steadily expanded our manufacturing and innovation footprint across 11 countries in the region. Today, Singapore is home to the headquarters of Evonik's Asia Pacific South region, with over 1,800 employees working every day to create technologies and solutions for the future. Our core activities in the region include among others feed additives, lubricant additives, hydrogen peroxide, precipitated and fumed silica, acrylic resins, personal and household care additives, coating additives, performance and specialty monomers, molding compounds, as well as high-performance polymers.

Our growth in the region is defined by strategic investments including the construction of a second world-scale methionine complex in Singapore and a demonstration plant for sugar substitute isomalt in Thailand to address the needs and challenges of our customers in global markets.

## At a Glance



Asia Pacific South  
Regional Headquarters:  
Singapore



More than 1,800  
employees in the region



21 legal entities,  
13 production sites



1 R&D Hub and several  
Innovation / Technical  
Service Centers



Asia Pacific South sales  
(2018): 936 million euros



Evonik in Asia Pacific South covers Australia, Bangladesh, India, Indonesia, Malaysia, New Zealand, Pakistan, Philippines, Singapore, Thailand and Vietnam.

**Regional growth is supported by constant flow of investments and projects:**

**Key highlights (2011–present)**

### **Manufacturing / production**

- 2019** **Singapore:** Opening of Evonik second DL–methionine production complex on Jurong Island, following its groundbreaking in 2016  
**India:** Commissioning of new state–of–the–art production facility for Activated Metal Catalysts
- 2017** **Thailand:** Joint venture between Evonik and Thai company Rajburi Sugar for production of sugar substitute isomalt
- 2015** **India:** Evonik’s acquisition of Monarch Catalysts in Dombivli (now Evonik Catalysts India Pvt Ltd)  
**Singapore:** Oil Additives plant expansion on Jurong Island
- 2014** **Singapore:** Opening of first DL–methionine production complex on Jurong Island  
**Thailand:** Capacity expansion of Precipitated Silica plant
- 2013** **Indonesia:** Plant expansion for premium raw materials, additives and ingredients for the cosmetic and household care industry

### **Research and innovation**

- 2018** **Singapore:** Opening of Evonik Asia Research Hub in Singapore focusing on additive manufacturing, smart surface solutions and tissue engineering  
**Vietnam:** Scientific collaboration between Evonik and Nong Lam University for a state–of–the–art feed mill  
**India:** Opening of a new research laboratory for catalysts at the Dombivli site
- 2017** **Vietnam:** Applied Technology Laboratory for Health Care Business Line
- 2015** **Singapore:** Personal Care Technical Service Center
- 2014** **Singapore:** Oil Additives Quality Assurance Lab on Jurong Island
- 2013** **Singapore:** AMINOLab (Amino Acid Analytics Center)  
**Singapore:** Comfort & Insulation Technical Service Center
- 2011** **Singapore:** TEGO Innovation Center

### **Offices and services**

- 2019** **Bangladesh:** Opening of Evonik’s new office in the capital city of Dhaka
- 2018** **Pakistan:** Opening of new office in Karachi to expand Evonik’s local presence
- 2017** **Philippines:** Converted Evonik’s representative office into a legal entity
- 2016** **Malaysia:** Establishment of Evonik Shared Financial Services Center in Selangor

### About Me6, Evonik's new MetAMINO® plant

2019 marks the opening of Evonik's second DL-methionine production complex, Me6, on Jurong Island following its ground breaking in 2016 with a total investment cost of more than 500 million euros. It was built right next to the first methionine complex, Me5, which started production in 2014. The combined investment for both plants — more than 1 billion euros — is Evonik' largest investment outside of Germany to date.

The new production complex will create more than 100 jobs, and double Evonik's annual capacity of MetAMINO® to a total of approximately 300,000 metric tons in Asia, and to approximately 730,000 metric tons worldwide. With the growing demand of MetAMINO® for healthy animal products, Asia being Evonik's biggest growth market at about 6 to 7 per cent annually, Me6 was a strategic decision to expand Evonik's products and services in high-quality animal nutrition. It will play a key role worldwide in the production of healthy and affordable food, while preserving natural resources and reducing the ecological footprint.

#### Quick facts on Me6

- **Investment value:** 500 million euros
- **Annual capacity:** 150,000 metric tons
- Evonik's total methionine capacity globally: about 730,000 metric tons
- **Accidents during construction period:** 0 lost-time incident (LTI)
- **Jobs created:** More than 100
- **Steel structure:** 6,940 tons
- **Piping installed:** 96 km
- **Concrete used:** 28,500 m<sup>3</sup>

#### Quick facts on methionine

- DL-methionine is one of the eight amino acids that are essential to human life
- A method of industrially manufacturing methionine was developed after WWII to ameliorate the protein shortage in post-war Germany
- The first supplement containing DL-methionine was marketed shortly thereafter under the name Thiomedon
- Methionine was first used in animal feed in 1953, today it is an indispensable component of modern animal feed worldwide
- 1 kg of methionine:
  - Replaces 260 kilograms of soybean meal
  - Reduces ammonia emissions by eight kilograms
  - Cuts nitrate use by 7.9 kilograms
- The use of methionine means that about 20 million fewer hectares of arable land are needed to grow animal feed worldwide — that's about 1.5 percent of the total amount of arable land.

As of June 2019

For more information about Evonik Asia Pacific South: [aps.evonik.com](http://aps.evonik.com)

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