

TOYO Wins Large-Scale Fertilizer Plant Order in Indonesia

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Toyo Engineering Corporation

Toyo Engineering Corporation (TOYO, President and CEO Yutaka Yamada) and PT Inti Karya Persada Teknik have jointly received a notice of bidding award for a fertilizer project from the state-owned Indonesian fertilizer company, PT Pupuk Kalimantan Timur (Kaltim). The plant will be constructed in Bontang, East Kalimantan, Indonesia. The contract is for Engineering, Procurement, and Construction (EPC) services on a lump-sum turnkey basis.

As Kaltim currently operates four plants in Indonesia, the new plant will be their fifth in that country. With a production capacity of 2,700 tons per day of ammonia and 3,500 tons per day of urea plus utilities facilities, the new plant is in the largest class in the world. The bidding started in September 2010. A total of five groups from Europe, Korea, and Japan bid for the project, with TOYO's group overcoming the competition to receive the order.

TOYO's proprietary ACES21[®] urea synthesis technology and urea granulation technology, which reduce construction costs and energy consumption, will be employed for the facilities. Currently, TOYO's ACES21[®] urea synthesis technology is being used at six plants, and its urea granulation technology at 20 plants around the world. The new plant will be the 100th urea plant using TOYO's synthesis technology that the Company has built in areas that span the globe.

Demand for fertilizer is growing, especially in emerging countries, due to the need to produce more food. TOYO will focus on fertilizer projects to meet the increasing demand in those countries as a urea technology licensor and as an EPC contractor.

Project Outline

Client	PT Pupuk Kalimantan Timur (Kaltim)
Contractor	Consortium of Toyo Engineering Corporation and PT Inti Karya Persada Teknik (IKPT)
Plant and Facilities	Ammonia: 2,700 tons per day Urea: 3,500 tons per day Utilities facilities
Location	Bontang, East Kalimantan, Indonesia
Scope of Work	Grant of license Engineering, procurement of equipment and materials, construction, and commissioning.
Construction Period	33 months
Contract Value	US\$577 million

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