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Coaling and Belt Conveyor System



FAM coaling system at the Datteln 4 power plant, Germany.

Datteln 4 Power Plant

For our customer Uniper Kraftwerke GmbH, FAM delivered a complete coaling and belt conveyor system with two continuous ship unloaders for the newly built hard coal fired power plant at the Datteln site.

Belt conveyors connect the ship unloaders, stockyard equipment, and down-stream bunker systems forming a state-of-the-art conveying system to secure the power plant's coal supply. The disposal complex installed consists of a gypsum conveying system including truck loading as well as coarse ash transport and storage.

The scope of delivery included project design, manufacturing, delivery, assembly and commissioning of all mechanical components, electrical systems and control technology.

Stockyard System



FAM semi-portal scraper KH4000/3200.36, port complex in Port Moody, Canada.

Semi-portal Scraper in Port Moody

On behalf of K+S Potash Canada, FAM installed two semi-portal scrapers with tripper cars to move potash salt in and out of storage in Port Moody, Canada.

By combining stacking and reclaiming functions in one system, FAM equipment can perform handling processes at a stacking rate of 3,200 t/h and a reclaiming rate of 4,000 t/h thus forming the core of a new cutting-edge potash terminal in Port Moody.

FAM designed, manufactured, delivered, assembled, and started up the systems. Daily operation runs smoothly according to the agreed technical parameters.

Processing Technology



FAM rod mill SRc280x375, Uyuni, Bolivia.

Rod Mill for Uyuni Potash Plant in Bolivia

On behalf of China CAMC Engineering Co. Ltd, FAM delivered a rod mill of type SRc280x375 for crude salt processing for the new 350KTPA potash plant project.

The project intends to tap one of the world's largest lithium deposits in the salt desert of Salar de Uyuni to extract valuable raw materials such as potassium, magnesium, and highly requested lithium.

The FAM rod mill is integrated into a process chain and used successfully to crush crude salt in a wet process using loose steel rods.

Servicing



FAM bucket wheel for the bucket wheel excavator SR800P9, Radomiro Tomic, Chile.

Bucket Wheel for Radomiro Tomic

For the world's largest copper producer, Codelco Chile, FAM delivered a replacement for a bucket wheel body (three parts) and 16 buckets each holding 3 m³ as part of a spare parts supply service scheme.

The bucket wheel with a diameter of 19 m was supplied for the FAM compact class bucket wheel excavator which ensures ongoing production in the Radomiro Tomic open-pit mine.

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