

Duro Felguera reveals details of recent global contracts



Duro Felguera is a Spanish industrial group of companies created more than 150 years ago, in Asturias in the northern part of Spain.

With a significant presence in the global market, Duro Felguera Plantas Industriales (DFPI) specializes in project development on an EPC (engineering, procurement & construction) basis, in areas such as bulk handling for port terminals and industrial plants, mining and mineral processing, fuel storage facilities and oil and gas.

The group includes other divisions that specialize in manufacturing equipment for chemical and petrochemical plants, offshore, refineries, rail tracks and equipment for large laboratories and research installations such as CERN or NASA, components for wing farms, among other industrial facilities.

DFPI carries out the complete process to develop a project: engineering, procurement, manufacture, erection, commissioning, operation and maintenance.

With its engineering services at its headquarters in the north of Spain, DFPI has extensive international experience with projects in many countries such as India, USA, Venezuela, Brazil or Middle East.

Its highly specialized personnel are dispatched to the country where the project is based in order to optimize the local resources: workshops, erection companies and local suppliers for commercial parts. The sales department travels all around the world, having permanent offices in Venezuela, India, Brazil and Japan and in the process to open commercial offices in China, UAE and Vietnam.

LATEST ONGOING PROJECTS

DFPI has recently been awarded contracts relating to the development of different projects in India, Mauritania and Egypt, and has just finished a storage yard in Spain. A brief description of each project follows.





Krishnapatnam Port, India

At this moment Duro Felguera Plantas Industriales is developing the material handling system for Krishnapatnam Port Terminal on the East Coast of India. The project was awarded on an EPC basis to design and supply a complete importing system for coal, including the whole process of the coal at the port, from vessel unloading to stacking, reclaiming all the way up to loading the coal on trains for Navayuga Engineering Company.

The engineering phase of the project is being finalized and the installation equipment is currently being manufactured at DFPI's associated workshops in China and India.

In parallel to the manufacturing of the machines and conveyors, DFPI is starting work on all ongoing jobs at site.

The purpose of this port is to feed several thermal coal power plants on the east coast of India that will start operation at the beginning of the year 2012.

The port terminal includes: two ship-unloaders that have a rated unloading capacity of 2,000tph (tonnes per hour) each, two stacker reclaimers (4,000/2,000tph each), a complete belt conveyor system from jetty to yard which is designed to operate at 4,000tph and two train loading stations with a capacity of 4,000tph.

Sokhna Port, Egypt

A few months before the riots in Egypt, Duro Felguera Plantas Industriales was chosen to develop a project to handle iron oxide pellets in the Sokhna Port, in the Suez area of Egypt.

This installation will import pellets of iron ore to feed the future iron ore processing plant for the company Ezz Steel. The port terminal belongs to DPWorld and the complete handling system will be installed by Ezz Steel.

The project includes the complete storage yard up to a truck loading station. For the pellet storage system once unloaded from the vessel, the installation includes a stacker rated at 2,000tph, and a stacker/reclaimer with capacity of 2,000/1,500tph. The truck loading station comprises six silos,

each with a capacity of 300 tonnes.

The installation is completed with the belt conveyor system with a capacity between 2,000tph and 1,500tph, including a vertical conveyor with a capacity of 1,000tph to feed the truck loading silos.



Project for iron ore processing plant, Mauritania

This project started at the end of last year for the Mauritanian company Société Nationale Industrielle et Minière (SNIM). It consists of the complete development of two different material handling systems for different grades of iron ore.

The overall layout is divided in two different areas, one for the storage of the raw material and another for the storage of the concentrated products.

At the raw material area, DFPI is designing and manufacturing one stacker with a capacity of 2,400tph and one bucketwheel reclaimer rated at 2,500tph. For the concentrates area, the equipment installed is two stackers with a capacity of 1,500tph each and a bucketwheel reclaimer with a capacity of 3,000tph,

The belt conveyor circuit with transfer towers and all ancillaries complete the installation. Special attention is paid to this project to protect the environment, including dust collection and dust suppression systems.

Coke storage yard at Compostilla Power Plant, Spain

This recently commissioned project includes the EPC supply of a storage yard to handle the petcoke (petroleum coke) to be burnt at Compostilla Power Plant for Endesa, in the central region of Castilla-León.

The material, unloaded by truck to the power plant, is stacked in the yard using a stacker with a capacity of 1,000tph. The project also included dismantling, transport, revamping and re-installation of an existing reclaimer that was in use at another power plant belonging to Endesa with a capacity of 1,500tph.

All the belt conveyor circuit in the yard, including the transfer towers, were included as part of DFPI scope. This project incorporates a state-of-the-art environmental protection system to comply with the strict European and Spanish regulations.