

Alstom and Isolux to convert a power plant from fuel oil to petroleum coke

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Alstom and Isolux have signed a contract with Mexico's Federal Electricity Commission (CFE) to convert two 158 MW units at the Altamira thermoelectric power station in Mexico. Alstom's share in the contract is worth close to €90 million¹. The units currently running on fuel oil will be converted to petroleum coke units. The conversion will substantially reduce the plants operating costs given that petroleum coke is significantly cheaper than fuel oil. This is the first project in the country where such a fuel switch is being executed.

The project includes designing, engineering, equipment manufacturing and set-up, electromechanical and civil works, as well as rehabilitation and modernisation controls that will extend operating life by 30 additional years. Alstom will supply the project's technological components by providing two Circulating Fluidized-Bed (CFB) boilers, while Isolux will play the role of the lead Engineering Procurement and Construction (EPC) contractor, bringing together Alstom's technology with all other supplies and work needed.

This conversion project is aligned with the 2013-2027 Mexican Energy Strategy, which aims to generate cleaner power in the country by making thermoelectric power plants more efficient. Once the project is completed, Altamira's facility will have decreased 90% of its sulfur dioxide emissions to the environment. The conversion will take 45 months to complete and will create more than 2,000 direct and indirect jobs.

"The combination of Alstom's proven technology and Isolux's experience will enable us to contribute to a more energy efficient and environmentally sustainable solution" said Andreas Lusch, Senior Vice President of Alstom's Steam business.

During nearly five decades of Alstom's presence in Mexico, the company has installed over 11,000 MW of power generation equipment in the country, which represents almost 20% of the country's total power capacity.

1 - The contract was booked in Q4 of fiscal year 2013/2014

About Alstom

Alstom is a global leader in the world of power generation, power transmission and rail infrastructure and sets the benchmark for innovative and environmentally friendly technologies. Alstom builds the fastest train and the highest capacity automated metro in the world, provides turnkey integrated power plant solutions and associated services for a wide variety of energy sources, including hydro, nuclear, gas, coal and wind, and it offers a wide range of solutions for power transmission, with a focus on smart grids. The Group employs 93,000 people in around 100 countries. It had sales of over €20 billion and booked close to €24 billion in orders in 2012/13.

About Isolux

Isolux Corsán Group is a multinational company and a leader in energy, construction, concessions and maintenance of major infrastructure, operating in 38 countries. In the energy sector, Isolux Corsán is one of the world's leading players in installing and maintaining T&D, one of the largest constructors of EPC projects in the photovoltaic sector and is amongst the world's major constructors of EPC generation plants. It is currently performing a number of important strategic projects, such as installing 1,191 kilometers of high-voltage lines in Amazonas (Brazil) and installing 605 km of transmission lines in Texas (United States). The group has also been given a concession for more than 23,500 parking lots in Spain and is currently managing—through its affiliate Isolux Infrastructure—a concession for 6,047 km of transmission lines in Brazil, India and the U.S.A., 1,610 km of freeways given in concession in India, Brazil, Mexico and Spain, and is currently involved in a project to install 284.5 MW in solar photovoltaic power stations in Spain, the U.S.A., India, Italy, Peru and Puerto Rico.