

Costa Norte Power Plant (Panama)



Project description

The Costa Norte Power Plant is located in Panama's Colón Province.

The plant – Panama's first LNG power plant – includes a 180,000 m³ liquid natural gas (LNG) storage tank, a re-gasification facility, a 381 MW net combined cycle gas-fired power plant and a 230 kW transmission line of length approximately 17 km connecting to the country's national interconnected system.

The cost is approximately USD 900 million, and it will supply roughly 3,000 GWh of electricity annually.

mageba scope

To support the steel beam that supports one of the plant's key natural gas pipelines, mageba supplied LASTO®FLONBLOCK elastomeric bearings.

This type of bearing was selected for its ability to carry high vertical loads while accommodating rotations and horizontal displacements, in both the longitudinal and transverse directions, with a minimum of friction.

The bearings were designed for vertical loads of approximately 270 kN. The elastomeric material is natural rubber with Shore A hardness of 60 +/- 5, which offers very high tensile strength and elasticity.

Highlights & Facts

mageba Products:

Type: LASTO®FLONBLOCK elastomeric bearings
Installation: 2017

Structure:

City: Colón
Country: Panama
Type: Power generation plant
Built: 2018
Owner: Panama Canal Authority
Contractor: BAM Iconsa JV

The new LNG power plant is located at the entrance of the Panama Canal



A LASTO®FLONBLOCK excluding the stainless steel sliding sheet



LASTO®FLONBLOCK bearing with a stainless steel sliding sheet

