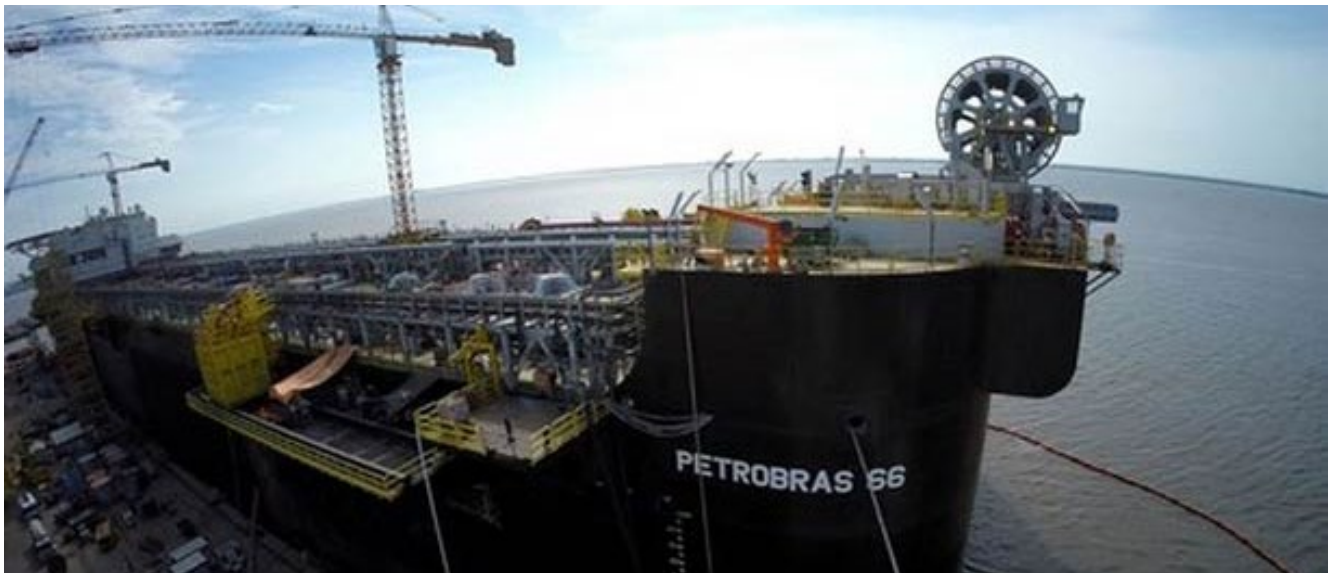
Petrobras FPSO units (Brazil)



Project description

A Floating Production Storage and Offloading (FPSO) unit is a floating vessel used by the offshore oil and gas industry for the processing of hydrocarbons and storage of oil.

An FPSO vessel was designed to receive hydrocarbons from the nearby platforms or subsea templates, process them, and store oil until it can be offloaded onto a tanker or less frequently, transported through a pipeline.

Petrobras, Brazil's semi-public multinational energy corporation, is the largest company in the Southern Hemisphere by market capitalization and a major user of FPSOs around the world.

mageba scope

4 Petrobras FPSO units, designated as P66, P68, P69 and P71, were fitted with new topside modules which required structural bearings to support and fix them in place while accommodating specified movements and rotations.

A large number of mageba bearings were used for this purpose, including 768 LASTO®BLOCK elastomeric bearings, with ROBO®SLIDE sliding material, 256 RESTON®POT HP bearings, some of them designed to resist uplift as well as downward forces, and 176 RESTON®SPHERICAL bearings, all of which were engineered to resist uplift forces.

RESTON®POT HP bearings were introduced as the new "High Performance" version of the well-proven RESTON®POT bearing.

Highlights & facts

mageba products:

Type:	RESTON®POT HP, LASTO®BLOCK and RESTON®SPHERICAL bearings
Features:	ROBO®SLIDE high-grade sliding material Special internal seals
Installation:	2014–2020

Structure:

Country:	Brazil offshore industry
Completed:	2020
Type:	FPSO units
Client:	Lindel PTE Ltd
Owner:	Petrobras

Spherical bearings with clamps for non-frequent uplift forces

Illustration (exploded view) of a LASTO®BLOCK bearing with a sliding surface, installed vertically

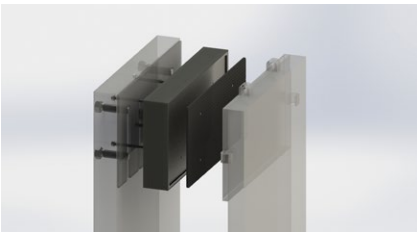
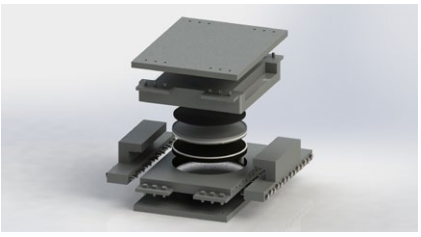


Illustration (exploded view) of a RESTON®POT HP bearing featuring uplift clamps



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