

APPLICATION INFORMATION N° 101
SHIPBUILDING INDUSTRY



Trimod'Besta

Crane ship "Saipem 7000"
Semisubmersible crane and pipelaying (j-lay) dp vessel

Ballast tank application

Saipem 7000 was originally built as a semi-submersible crane vessel (Micoperi 7000) capable of lifting and installing offshore structures up to 14'000 tons in weight. In 1999 the vessel was converted to accom-modate a "J"-Lay Tower and pipe handling equipment for laying pipelines in deep water areas worldwide. The tower is the largest in the world with a height of 135 meters, while the overall weight of the complete pipe laying facilities is 4'500 tonnes.

The ballast tanks are fully controlled with 146 pcs. of stainless steel Trimod Besta level switches.

Ballast System:

Computer controlled system:

- 4 x 6'000 tons/h ballast pumps
- 40 ballast tanks with tot. 83'700 m³
- 14 rapid ballast tanks with tot. 26'000 m³



Classification

Lloyds Register and RINA

Compliance

NMD, HSE, USCG Rules

Trimod Besta Ship register approvals



Source: <http://www.saipem.com>

Installed level switch types

- 5A 01 04, stainless steel version
- 5U50A 01 041, stainless steel version, IP68 with 50m long cable



Why Trimod Besta?

The top quality of the switching mechanism, the stainless steel design and the exceptional life time guarantees a service free operation. Trimod Besta level switches are designed for a life time of more than 30 years.

Source: <http://www.saipem.com/site/article.jsp?idArticle=5397&instance=2&node=2012&channel=2&ext=template/37DueColonne&int=article/1DefaultArticolo>