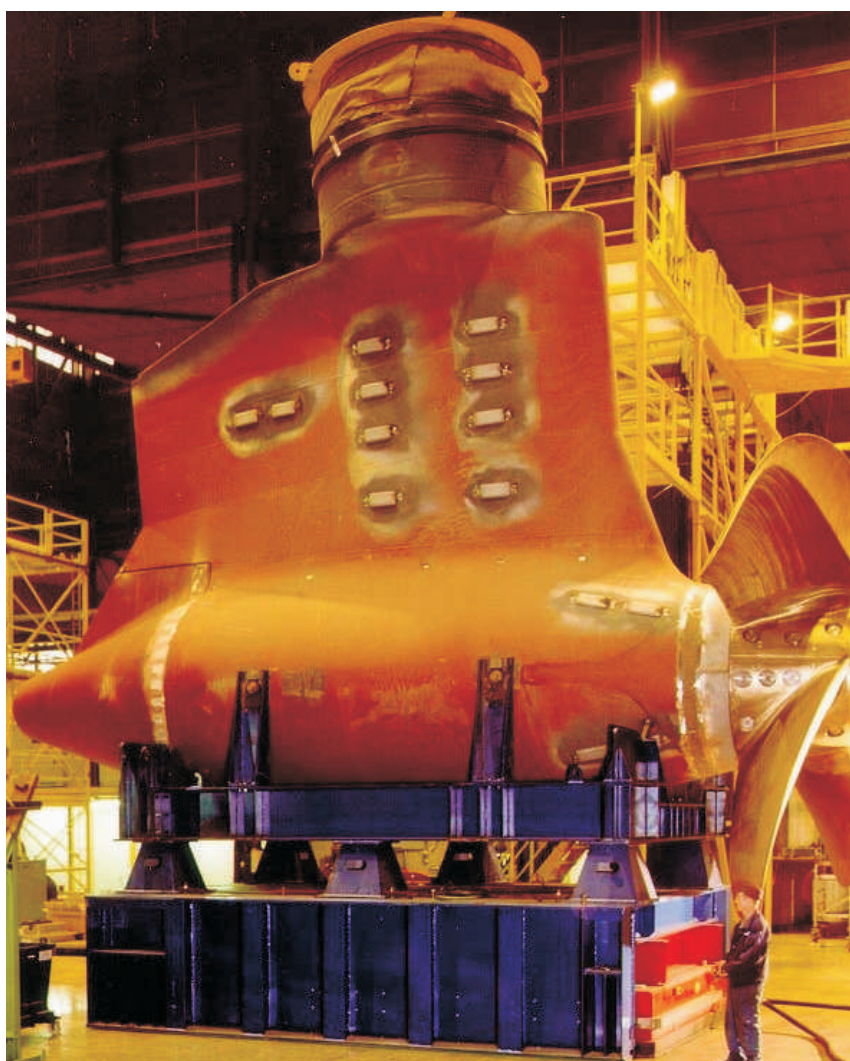




Equipment for propulsion drive units ABB Azipod, Helsinki, Finland

A I R F I L M T E C H N O L O G Y



Operation

The radio-controlled air film transporter floats 250 tonne propulsion drive units through the production line, allowing them to stop at the various assembly stations along the line.

Construction

The transporter is designed to fit under the specially built load pallets on which the drive units sit, and the remote radio control allows precise positioning of these large and heavy loads, to within a few millimetres.

S O L V I N G



The Solving design team is continually developing ergonomic and economic air film material handling solutions. With the customer's handling and logistics programme in mind, their main objectives are to:

- minimise installation requirements
- reduce capital expenditure
- reduce the environmental impact

ABB Azipod Oy, Helsinki

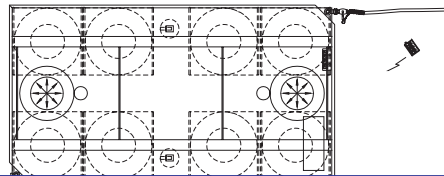
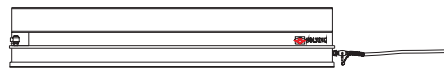
ABB Azipod Oy designs, manufactures and sells Azipod propulsion units – podded electric propulsion systems.

ABB Azipod Oy is owned by ABB, Masa-Yards and Fincantieri.

AIR FILM TRANSPORTER SPT 250

Technical data

Capacity: 250 tonnes
Length: 5 900 mm
Width: 3 200 mm
Height: 630 / 1080 mm
Air bearings: ME 48H-40
Pressure regulation: Automatic



Objective

To provide a flexible handling system for these large podded propulsion units in the production area.

ABB Azipod chose to invest in Solving's air film-based system rather than up-grade their existing overhead cranes.

Advantages

The major advantages of the air film transporter are its ability to lift 250 tonnes with ease and precision and its flexibility, allowing the very large units to be moved and positioned safely and accurately.

Result

The air film solution has met with ABB Azipod's approval; their new handling system is both effective and safe.

Although the air film transporter required costly floor repairs to be made, it has still proved to be a cost effective solution, compared with alternative methods.



SOLVING

PO Box 98
FIN-68601 Jakobstad, Finland
Tel. +358 6 781 7500, Fax +358 6 781 7510
e-mail: solving@multi.fi

SOLVING DO BRASIL

Repres. Exclusivo Brasil e América Latina

Fone/Fax: +55 19 3829 1336

www.solvingdobrasil.com.br
vendas@solvingdobrasil.com.br