OTCM, the coal terminal operator of Nantes-St Nazaire port has 2 grab ship unloader. The ALSTOM drives GD3000E dating from 1998, the need for a refurbishing became obvious.

The last retrofit in 2001 was realized by ACTEMIUM. Encouraged by the reliability and performances enhanced by this operation, OTCM has commissioned ACTEMIUM for proposing and integrating new drives.

Our solutions:
- Electrical diagram
- Electrical and mechanical modifications in order to install new regenerative drives
- PLC program modifications

Solution implemented

Installation and commissioning

Characteristics of the solution
- Activity: Automation systems, Electrical, Mechanical
- Technologies used: ABB

End Client: OTCM
- Site: Saint Nazaire
- Country: France
- Year of completion: 2013

Client Benefits

With ABB solution for drives modules, it takes less than 10 minutes and only one maintenance operator to change any module.

The new drives needed to be fully compatible with the existing environment of the crane to reduce the scope of the refurbishment: type of motor and encoder, type of transformer (6 phases output)

The drives architecture included twin AC/DC modules to keep redundancy on the rectifier. It also included an interconnection switch to feed the two DC bus with a single rectifier.

Contact
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