

AR20002 | AUMA APPLICATION REPORT



Approximately 150 AUMA actuators provide reliable valve automation on TenneT's BorWin gamma converter platform in the North Sea. AUMA ensures the same fast and competent service offshore as onshore.

AUMA electric actuators are increasingly being deployed on offshore converter platforms providing high voltage direct current transmission (HVDC) for wind farms. Approximately 150 AUMA SQ part-turn actuators with intelligent AC actuator controls are, for example, installed on the BorWin gamma converter platform in the North Sea. AUMA will also supply actuators for the DolWin kappa platform. Both offshore platforms are owned by TenneT, one of the leading transmission system operators in Europe.

RELIABILITY IS KEY

BorWin gamma turns the three-phase alternating current produced by offshore wind turbines into direct current for efficient transport to the mainland. The AUMA actuators are mainly required for the cooling system that removes heat from the converter electronics. As all the equipment must operate in an isolated marine environment, 90 km away from the mainland, AUMA actuators are ideal for such a challenging task: their robust design and durable components ensure that they can operate unattended for long periods and with minimal maintenance.

SERVICE EXPERTS QUALIFIED FOR OFFSHORE SERVICE

Offshore customers such as TenneT benefit from AUMA's full service portfolio. As an example, an AUMA service technician traveled by helicopter to the BorWin gamma platform to retrofit additional interfaces.

AUMA service technicians are available worldwide who – besides being experts in AUMA technology – have completed all the safety training that qualifies them to work offshore. Certificates required by the GWO (Global Wind Organisation) include, for example, Basic Safety Training, Basic Offshore Safety Introduction & Emergency Training, First Aid, Fire Awareness, and Helicopter Underwater Escape Training.

Project responsibility:
AUMA Riester, Germany

www.auma.com



POWER

APPLICATION

Offshore converter platform

AUMA SOLUTION

- > SQ actuators with intelligent AC 01.2 actuator controls
- > On-site service

CUSTOMER BENEFITS

- > Low maintenance costs
- > Qualified staff for timely offshore service

