CASE HISTORY

The Expert in Fibre Reinforced Pipe Systems

PROJECT
EON Wilhelmshafen

LOCATION
Wilhelmshafen

CUSTOMER
EON Kraftwerke GmbH

DESIGN PRESSURE
PN 25

DIAMETER RANGE [mm]
DN 500

PRODUCT
Fiberdur EP - Keylock

CONSTRUCTION DATE
2012

END USER
EON Kraftwerke GmbH

DESCRIPTION

In 2012 the first air cell gas turbine power plant of the world started operating in Huntorf/ Germany. The difference to usual gas turbines is that the air necessary for burning is stored under high pressure in two underground caverns being directly available to the gas turbine. The compressed air (approx. 63 bar) is transferred via galvanized steel pipes from the cavern exit to the gas turbine. Fiberdur installed GRE pipes from the entry of the cavern to the salt cavern in a depth of approx. 700m, a specially constructed pipe system.

To meet the requirement of connecting the pipes quickly and safely Fiberdur convinced with its plug-in connection, consisting of 2 polyamide lock bars in longitudinal force with an O-ring in the connection in order to guarantee leak tightness.

SCOPE OF SUPPLY

- 700 m Fiberdur EP pipe
- PN 25 wall thickness 14 mm with key lock

ADVANTAGE

- Easy installation
- Corrosion-free
- Long lifetime

TPR Fiberdur GmbH & Co. KG.

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