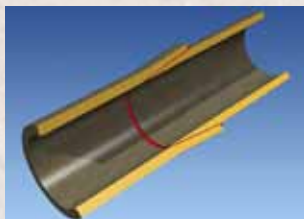


Key-Lock® mechanical joint



Taper/Taper adhesive-bonded joint



Fire water ring main using Bondstrand® 3400 GRE pipe & fittings

The Nigerian Government (under the auspices of the Ministry of Power and Steel) and The Shell Petroleum Development Company of Nigeria Ltd (SPDC) entered into an agreement for the expansion, rehabilitation and operation of the Afam Power Plants. Following this agreement, Shell will lease and operate the Afam V Power Plant and build and operate a new Afam VI Power Plant.

The Okoloma Gas Plant scope of the Afam Integrated Project has been initiated to supply the base load gas requirement of the Afam Power Plants.

Scope of supply

- Supply of pipe, fittings and installation equipment
- Data, documentation and Certification as per SPDC Supplier Document Requirement List
- Bolting hardware and gaskets for flange connections
- Site supervision with inclusion of installation training

Advantages

- Reduction in installation costs and time
- Expected long term service life 30 years
- Corrosion resistant
- Maintenance free
- Light weight material

Project

Okoloma Gas Plant being part of Afam Integrated Gas and Power Development Project, Nigeria

Client

Shell Petroleum Development Company of Nigeria Ltd

Pipe system

Bondstrand 3416 with Key-Lock and Taper/Taper joints

Diameter: 2, 4, 6, 8 and 12 inch (50, 100, 150, 200 and 300 mm)

Quantity: 9.000 m pipe and 600 fittings

Operating conditions

Operating pressure: 16 bar

Design pressure: 16 bar

Test pressure: 24 bar

Operating temperature: 25 °C

Design temperature: 80 °C

Burial Depth: 0.8 - 2.0 m

Installation date

2008