



Guy wire maintenance, Oman

Conbit was contracted to perform the tensioning work to a flare stack for OXY OCCIDENTAL in Oman.

The end termination of the wire ropes had to be reinstated to the prescribed minimum of seven cable claps per connection.

To perform the guy wire maintenance, Conbit utilised PIAB guy wire tension measurement equipment and total station for verticality check.

PROJECT

- ✓ ENGINEERING
- ✓ INSTALLATION

Client

OXY Occidental

Europem Belgium

Project Name

OXY Occidental guy wire tensioning project





Photo: Guy wires tensioned according specifications

UNIQUE ENGINEERING

Conbit engineered the new tension values, ensuring that the final pretension values and angle deviations were within the values as mentioned in the prescribed pretension values of $-10\%/+15\%$ or within a pretension tolerance of $-15\%/+20\%$.

Conbit bases the engineering tension values on the temperature as they recognised the impact they had. By cross-checking the influence the temperature had on the values, Conbit could determine a more precision measurement of the pressure using this technique.

CHALLENGES

One of the challenges Conbit faced was the mobilisation of the crew within a short time frame with calibrated equipment. The client was impressed with Conbit's quick action and successful execution.