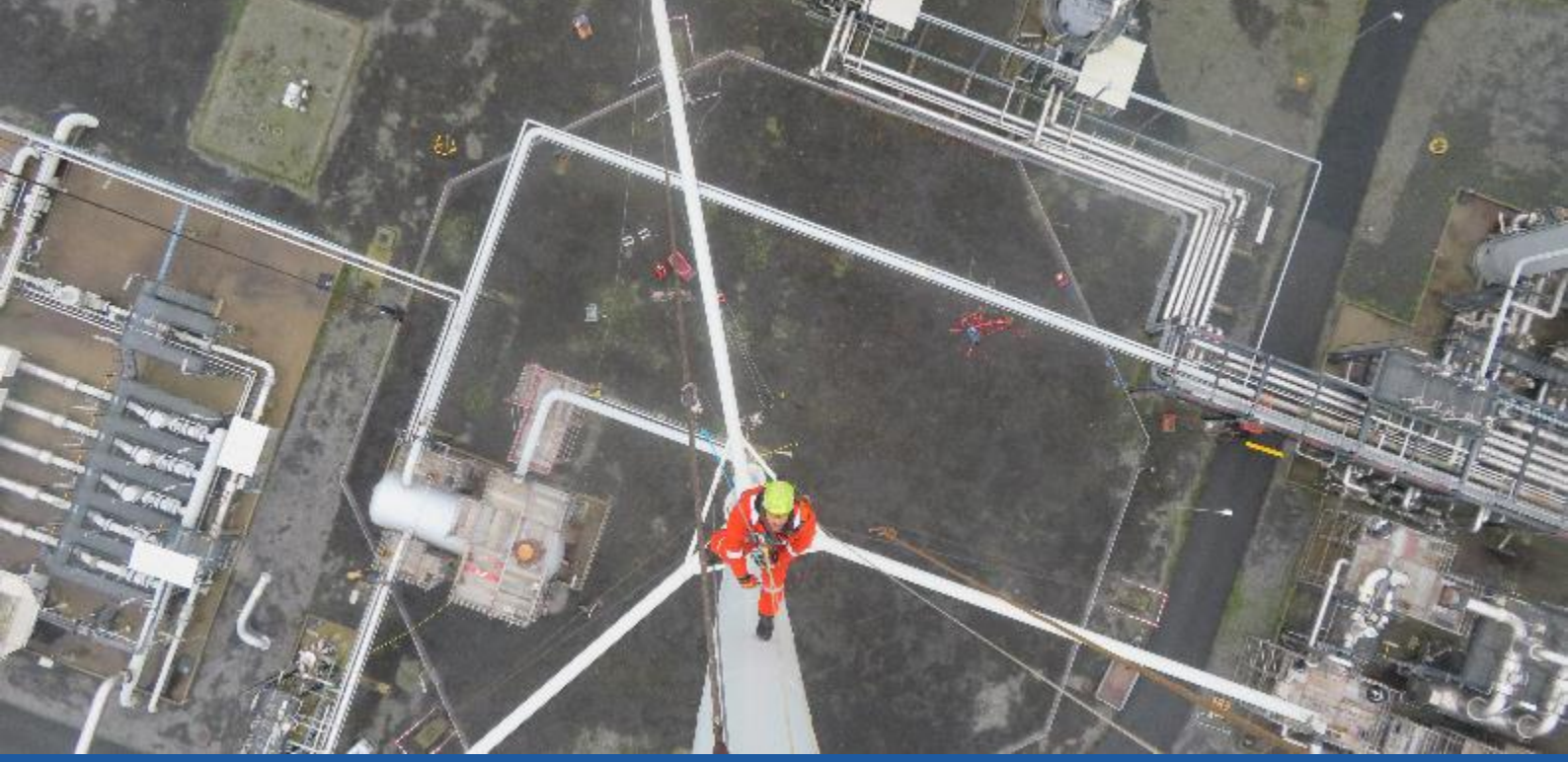

TAQA ENERGY GUY WIRE REPLACEMENT

TAQA-operated Peak Gas Installation (PGI), located in Alkmaar, the Netherlands, is an underground natural gas reservoir that's used to store and deliver natural gas to meet peak demand from the Dutch national grid.

TAQA required maintenance on the guy wires of their PGI vent stack. They contracted Conbit to replace the guy wires and earthing system, as well as to work on the vent tips. They chose Conbit due to our vast experience of working on the design, procurement, construction, installation, and maintenance of towers and stacks, as well as our detailed proposal for this particular project.

Picture: Rope access on tower and flare stack lifting

PROJECT

- ✓ ENGINEERING
- ✓ PROCUREMENT
- ✓ INSTALLATION

Client
TAQA Energy B.V.

Project Number
31287

Project Name
Taqa Energy Guy Wire Replacement

TAQA
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TAQA ENERGY GUY WIRE REPLACEMENT

01SD130-A

Pictures: Guy wire anchoring and flare stack lifting

Pictures: Flare stack

Pictures: Conbit rope access technicians and Mammoet crew

THE ENGINEERING

Conbit conducted a site visit in order to devise a method statement and a structural calculation for the guy wire tensioning. The new guy wire type and diameter were taken from the records provided by TAQA and checked over by our structural engineers. This site visit enabled us to determine the exact lengths, allowing us to procure custom-made, certified replacement guy wires.

TENSIONING

In order to provide efficient tensioning, we took into account both the exact guy wire tension values provided by our engineers, as well as relevant environmental conditions like the wind and the temperature. Conbit technicians used hand-operated rigging tools in combination with a load meter to measure the tension in the line.

OPERATION & MAINTENANCE

We used the installation crane provided by Mammoet and IRATA rope access techniques to manage the removal and reinstallation of the tip, as well as flange maintenance on the flare stack itself. Not only was this combined solution the best possible solution for the task, but it's also 100% compliant with the latest changes in Dutch OSH legislation. The whole maintenance process was carried out by a qualified Conbit and Mammoet crew consisting of rope access technicians, crane operators, and banksman. Conbit and Mammoet's extensive experience was crucial in leading this project to a successful outcome.

"EXCELLENT TEAMWORK ASSURED SAFE AND IN-TIME DELIVERY"

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