

GPS subsidence monitoring of offshore gas platforms

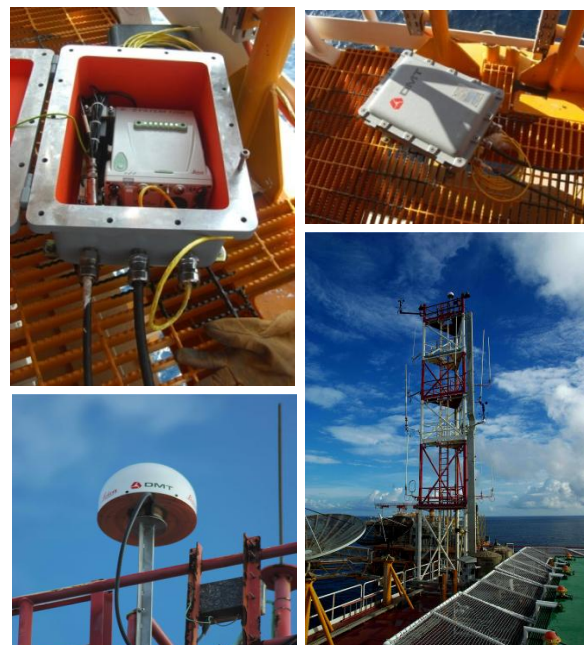
Job definition: Planning, installation and operation of a permanent GPS monitoring system to measure subsidence of offshore gas platforms

Services:

- Development of an independent measurement concept for continuous monitoring of subsidence and horizontal platform movements
- Installation and operation of the GPS measurement system with 3 offshore stations and 1 onshore base station with automated data acquisition, data transfer and storage
- Implementation of intrinsically safe equipment based on Leica AT 504 GG antennas and Leica GRX 1200 GG Pro receivers with specifically designed housings
- Parallel permanent measurements of relative sea-level with pressure sensors on the platform
- Data processing with Bernese GNSS software for highly accurate positioning even at baseline lengths of 250 km
- Analysis of GPS data in post-processing mode with daily and weekly solutions
- Detailed reporting and technical consultation



Offshore gas platform



GPS equipment - system of intrinsically safe receivers and choke ring antennas

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