

Case study:

Alimak Hek refurbishes 37-year old elevators



Petrofac FPF1, semi-submersible production facility

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Four Alimak rack and pinion offshore elevators utilized as safe column access to various levels for men and materials onboard the semi-submersible production platform FPF1 (formerly owned by Amarada Hess and known as AH001).

The Alimak OS-4 rack and pinion offshore elevators are a vital means of safe access to the columns for men and materials, so are essential during both operations and shipyard stopovers. The original elevators have been in successful service since 1976 (38 years) and the intention is that the newly refurbished elevator cars will supply uninterrupted access within the hull columns for many years to come. The elevator modernisations were part of a major modification and refurbishment of the FPF1 in the Remontowa Shipyard in Poland, prior to deployment to the Ithaca operated Stella field in the Central North Sea.

ELEVATOR DETAILS

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|---------------------|--------------------------------------|
| Location: | Petrofac FPF1 |
| Platform type: | Semi-submersible production facility |
| Application: | Hull column |
| Installation year: | 1976 |
| Refurbishment year: | 2013 |
| No. of Elevators: | 4 |
| Elevator type: | Rack & Pinion |
| Elevator model: | ALIMAK OS-4 |
| Capacity: | 1,000 kg |
| Elevator car size: | 1.5 m 1.5 m 2.3 m (W x L x H) |
| Speed: | 0.36 m/s |
| Lifting height: | 18 m |



Production platform FPF1 during refurbishment at the Remontowa shipyard in Poland.