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> CURRENT PROJECTS



Bridge displacement in St.Margrethen / Lustenau

For the renewal of the cross-border railway line section between St.Margrethen in Switzerland and Lustenau in Austria, some new engineering structures and bridges had to be built. Hebetec placed two of these structures at their future location in February/March of this year.

One structure, a 1600 tonne railway bridge in Lustenau, was built in the previous months before being shifted some 33 meters laterally and lowered onto the final bridge bearings in just 2 hours using 8 APS-385 modules.



The insertion of the second structure, a railroad bridge weighing 300 tonnes with a length of 80 meters above the motorway in St.Margrethen, was a much more complex operation. This bridge was first displaced longitudinally by 70 meters after its construction, then moved 20 meters laterally, lowered by 3.5 meters and finally tilted through 80 cm on one side in the longitudinal direction.

As was the case with the bridge in Lustenau, the displacement work was performed with 8 APS 385 modules and a total capacity of more than 3000 tonnes. The longitudinal and lateral shifting took place in two consecutive night operations and required a displacement time of four and two hours respectively.



Pruněřov power plant, Czech Republic

The biggest coal-fired power plant in the Czech Republic located at Pruněřov with three power plant units and an output power of 1500 MW has been fully overhauled.

The components to be replaced were first lowered, after which the newly fabricated elements assembled on site were lifted into place. The heaviest components weighed 3000 tonnes and were lifted to a height of 70 meters. The special challenge of this project was that the lifting and lowering of the boiler top casing and the heating surfaces required the simultaneous use of four different types of strand-jack.



Load-Out Daewoo SHWE

The SHWE project includes a 30,000 tonne offshore platform, a subsea production facility, subsea pipelines and an onshore gas terminal. The offshore gas production platform for China is located 70 kilometers west of Burma in the Indian Ocean.

Hebetec's task was first to weigh the platform before transporting it from the production site in Ulsan (Korea) on a floating barge. Four HA-1000 strand-jacks were used to tow the platform onto the barge over a distance of 230 meters on guide rails. Finally, Hebetec was also in charge of the topside float-over onto the substructure. During this process the platform had to be held in position by 1500 tonne hydraulic presses for definitive fixing.

> EQUIPMENT



Stackable module

For the lowering of bridges and components in general, Hebetec has acquired a new stackable module system including presses. The system has a capacity of between 200 and 400 tonnes per element and allows rapid and low cost lowering through a distance of several meters.

> EMPLOYEES



Nadine Buache

Mrs Nadine Buache has been working as a controller/accountant in our company since April 2013. With her flair for figures and very good language skills she complements our team in the areas entrusted to her. After some years dedicated exclusively to her family, she has now returned to professional life. We wish her all the best in her new career and every success at Hebetec Engineering AG.

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