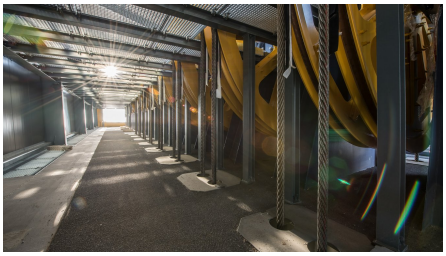
Niederfinow skip løft









KORT BESKRIVELSE

Construction of a new ship lift to overcome the 36-metre altitude difference in the Oder-Havel canal.

PROSJEKTET

The new ship lift at Niederfinow uses a suspended steel trough, which functions in a similar way to a lift, to enable boats to overcome the 36-metre altitude difference in the Oder-Havel canal. It is designed as a vertical lifting mechanism with a counterweight. The water-filled trough uses heavy concrete and steel weights to reach an equilibrium, with the suspension rope being diverted over 224 rollers on two hollow steel box girders.

From the west, boats travel through the upper part of the outer harbour and across the canal bridge to the trough, which is at its uppermost position. Once the western gates have been closed, the trough moves down to its bottom position. When the eastern gates are fully opened, the boat can exit the lift. When travelling from the lower to the higher water level, the process is reversed.

WATCH VIDEO

DETALJERTE TJENESTER

- Project management
- Planning management
- Solid structure execution planning
- Deformation calculations
- Concrete and reinforced concrete works
- Hydraulic steel works
- Fitting out

UTFORDRINGER

- Compilation of the plans for all sub-sections to create an overall system that satisfies the requirements of the Machinery Directive 2006/42/EC (CE conformity)
- Calculation of deformations of the solid structure due to subsequently applied loads, taking temperature and long-term effects into consideration
- Extremely narrow manufacturing tolerances in order to ensure that the system works as a whole

VIDERE INFORMASJON

- **Umbrella joint venture for new ship lift in Niederfinow**
- Technical management: Implenia Civil Engineering GmbH, Berlin branch (36% stake), Project Manager: Carsten Genetzke
- Commercial management: DSD Brückenbau GmbH (29% stake)
- Jh. Bunte (30% stake)
- SIEMAG TECBERG (5% stake)

An umbrella joint venture was set up for the project, with an internal relationship based on separation between the consortium partners. The partners are responsible for the planning, execution and guarantee of their own services.

FAKTA

Lokasjon	Hebewerkstraße 58, Niederfinow , Tyskland
Status	Ferdigstilt
Kontraktssum	130 M EUR
Byggestart	Mai 2008
Ferdigstillelse	September 2022
Oppdragsgiver	Bundesrepublik Deutschland vertreten durch Wasserstraßen-Neubauamt Berlin
Planlegging	Entwurf: Wasserstraßen-Neubauamt Berlin; Ausführung: die ARGE-Partner für ihre Leistungen
ARGE	✓
Betongvolum	66289 m^3
Armering	10100 to
Høyde	54.55 m
Høyde	133 m

TJENESTER

- Byggteknikk
- Betongkonstruksjon
- Transportinfrastruktur Skipsfart
- Strukturell utforming

https://implenia.com/no-no/prosjekter/detail/ref/schiffshebewerk-niederfinow/

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