

Mariakvartalet in Bjørvika: Contemporary Urban Retreat

Diverse applications realised with TITAN Megashore system and TITAN S steel props



“On the project we have been very satisfied with the equipment that has been delivered. The same can be said about the solutions we have ended up with, after close collaboration and follow-up from Ischebeck.”

Bjørn Borg, Concrete foreman, Veidekke

Mariakvartalet will comprise 245 apartments, a kindergarten, shops, restaurants and cultural offerings. It is located near the green public area Kongsbakken and the shopping street Rostockgata. The project offers a wide mix of apartments, ranging from large penthouses with their own roof gardens to efficient 2-bedroom apartments. The building will have shared roof terraces with fantastic sun conditions and views. At street level, there will be restaurants, shops and cultural offerings. Archaeological excavations were carried out before the site excavation started. The project will combine 10 different multiple-story buildings with various facades, surrounded by water.

The challenge

Mariakvartalet has been designed by Lund+Slaatto Arkitekter, who are behind the award-winning Munch Brygge in Bjørvika, among other projects. All of the homes from OSU will be certified as Very Good in accordance with the BREEAM-NOR manual. Additionally, greenhouse gas emissions will be reduced by at least 20%, the construction site will be fossil-free with strict requirements for waste sorting and waste minimization.

The solution

We delivered about 9000 Ischebeck steel props for the back propping of the basements. We also supplied the site with the Ischebeck TITAN Megashore system for the upgoing structures, balconies, basement, and the bridge between different construction phases. The Megashore system was used as single props but also as towers with alu beams and frames.

The TITAN Aluminium Megashore system was used because it is very lightweight with a huge load-bearing capacity. It can be pre-assembled, hooked on a crane and flown into the construction pit. This approach saves time and ensures a lean construct process.

Ischebeck Nordic also supplied Noe wall panel as well as Ischebeck TITAN push and pull props.

The vast amount of back propping, along with the high load-bearing capacity was necessary due to the high loads on top of the basement slab during construction.

Project:

Mariakvartalet residential project in Bjørvika, Oslo, Norway

Construction period:

September 2023 – approx. 36 months construction time

Principal Contractor:

Oslo S utvikling (OSU), Oslo

Design & Build:

Veidekke, Oslo

Architect:

Lund+Slaatto, Oslo

Products used:

- TITAN S steel props elements/support structures
- TITAN Megashore as single props and towers
- TITAN beams
- TITAN push and pull props

Products from NOE distributed by Ischebeck only in selected locations.



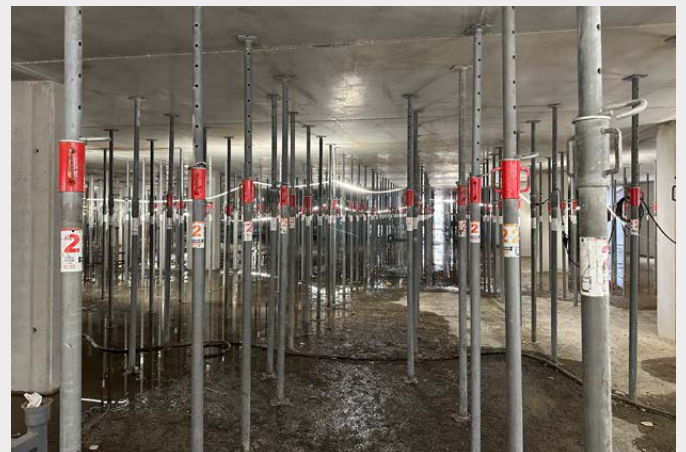
Megashore tower supports balconies for five levels, offering high capacity and stiffness



The picture shows Ischebeck TITAN RS push and pull props on a Noe wall panel



TITAN Megashore structure used as a bridge between the different construction phases



The huge number of TITAN S props was required because of truck traffic and other significant construction related loads

Would you like to find out more about TITAN formwork systems?

We would be happy to advise you about your project. Simply get in touch with us. We look forward to hearing from you.