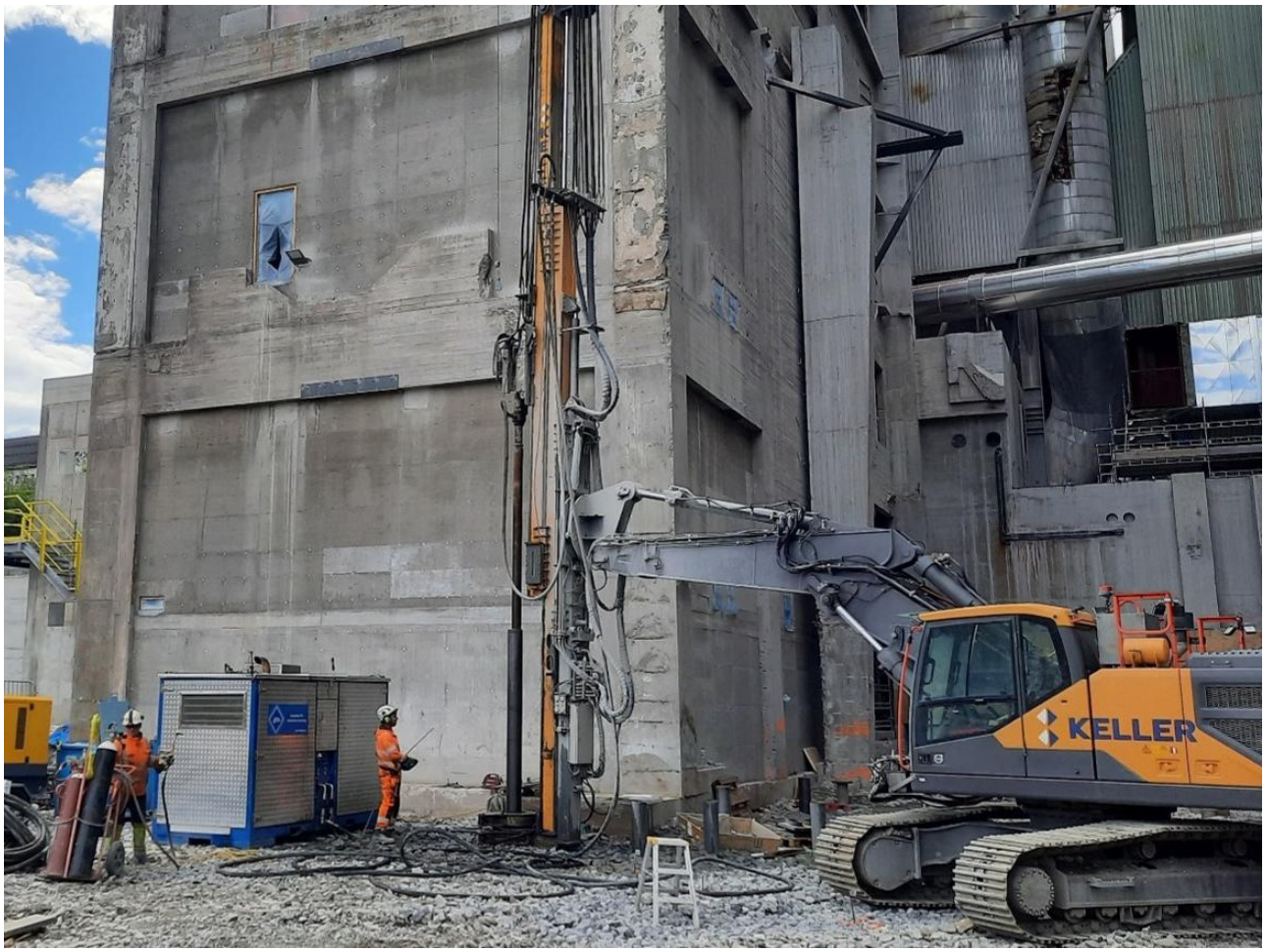
Norcem Brevik CCS

Brevik

319 Steel Piles with a max. length of 34m. 20 Steel Core Piles with a max. length of 34m.
Pile diameters between 170mm and 320mm.
Water drilling technique with DTH hammer.



The project

The project is part of the CO2-reduction plant of Norcem’s cement factory in Brevik. CO2-emissions from cement production will be captured and stored in former petroleum reservoirs. The plant will be operational in Q3 2024. Keller has been awarded to execute the piling works for the future foundation of the facilities.

The challenge

- Challenging soil conditions including thick moraine layers as well as soft and quick clay.
- Presence of fully operational cement factory resulting in complex site logistics and little Main contractor storage area.
- Remote working area on site and and long distances between entrance, ablution facilities and working area.

The solution

- Water driven DTH hammer to minimize interference to surrounding soil and existing piles.
- Continuous material deliveries and storage inside our working area to reduce space consumption on site.

Project facts

Owner(s)
Norcem

Keller business unit(s)
Keller Greoteknikk
Keller Grundläggning
Keller Grundbau

Main contractor(s)
HAB Construction

Engineer(s)
Main contractor’s Project Manager:
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Heavy foundations

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