

## Bergerløkka

Asker, Norway

Keller drilled and installed 1 389 lime-cement columns for the foundation of new apartments.

The work result was 10 000 meters stabilized meters with  $\varnothing$ 600mm columns.



### The project

Bergerløkka is located at Billingstad in Asker municipality and is a construction project where JM builds a new apartment complex. The rural area will at the end of the project comprise over 500 attractive apartments close to the Oslo city.

## The challenge

The construction site is located in a strongly deformed and folded part of the geological Oslo graben. This gives an oscillating depth to rock, even over short lateral distances. The overlying clay variate also from relatively competent to quick clay.

## The solution

All the 1 389 lime-cement columns were drilled down to bedrock. They were installed in a combination of a grid structure and single columns according to the design. 5 individual foundations were made to support some planned elevator shafts.

FKPS testing was also done to ensure the right quality and that the strength was achieved for the treated soil.

## Project facts

### Owner(s)

JM Norge AS

### Keller business unit(s)

Keller Geoteknikk AS  
Keller Grundläggning AB

### Main contractor(s)

JM Norge AS

### Engineer(s)

Project Manager - Espen Skjellestad  
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### Solutions

Bearing capacity / settlement control

### Markets

Residential

### Techniques

Dry soil mixing

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