

# Anchor drilling

Support of construction pits and other structures



**AARSLEFF**

The anchor section of Aarsleff comprises several drill rigs. The rigs are equipped with flexible leaders which means that they can perform almost every kind of drilling work in every angle possible.

With the object of creating a good working environment for the drilling staff, our drill rigs operate with loading of drill rod by means of a mini excavator.

## Application

- Reduce deformations of retaining walls
  - inclined anchors in one or several levels
- Protect structures against uplift – uplift anchors
- Protect structures against overturning
  - vertical anchors for chimneys, masts, embankments or other tall building structures
- Drill permanent piles where driving of piles is impossible.

## Design and consulting

In general, Aarsleff carries out dimensioning of the anchors' injection length and dimensions, but according to the client's request, we are also able to conduct a complete analysis of the anchors and present a finished design.

For large projects, it can be a financial advantage to carry out more preliminary investigations and

install test anchors. The test anchors make it possible to optimize the project further – an expertise that Aarsleff provides within project design, execution and optimization. The suitability tests of the test anchors are carried out in accordance with DS1537.

When we install the anchors, the geology of the site often requires further optimizing of both our drilling procedures and injection procedures. Our experienced engineers optimize the procedures on site, and furthermore, we are able to get support from the special competencies of the Aarsleff department Project Development & Design.

We also have extensive experience of drilling against water pressure, where we use approved special structures to secure both construction pits and other structures.

Aarsleff has the competencies and the employees to price and carry out every kind of waling or cantilever construction as part of a complete tensioned product.

