

Æggepakkeriet, Aarhus

Sheet piles and reinforced concrete piles



AARSLEFF

In the centre of Aarhus, between residential buildings and adjacent to the old freight rail area, Aarsleff has established the construction pit and installed the foundations for two of the three buildings that form the residential and commercial building complex, Æggepakkeriet.

The construction pit

The establishment of the construction pit comprised demolition of a car parking area, installation of the approx. 3,000 square metres of sheet piles and excavation of 13,000 cubic metres of soil in different soil classes. About half of the soil was contaminated, so this part of the soil was dealt with in an environmentally acceptable manner.

Aarsleff's Design & Engineering department designed the construction pit.

Reinforced concrete piles

The piling works that we carried out on both the 5-storey building "Hjørnehuset" and the 14-storey building "Det Høje Hus" consist of approx. 8,000 linear metres of reinforced concrete piles in the dimensions 30x30 centimetres and between 25 to 28 metres long.

Working space and coordination

Due to the confined spaces at and around the freight rail area, we experienced some logistical challenges, when equipment and materials were transported to and from the construction site. In addition, consideration of the neighbours was a major focus area and we tried to reduce the vibrations and noise to a minimum throughout our pile driving.



Data

- Removal of asphalt
- Excavation of approx. 13,000 m³ of soil, half of which was contaminated
- Driving of approx. 8,000 lm of reinforced concrete piles, 30x30 cm, 25-28 m long
- 3,000 m² of sheet piled construction pit, braced with steel frames.

Client

Anpartsselskabet
Æggepakkeriet

Contractor

Kaj Ove Madsen A/S

Type of contract

Subcontract

Consulting engineer

Rambøll A/S

Construction period

November 2017-June 2018

Contract value

DKK 8.6 million

Aarsleff Ground Engineering is one of Europe's leading piling contractors, and we undertake a wide variety of piling, drilling and foundation projects in Denmark and abroad. We have offices in Poland, Sweden, Germany and the UK.

Our fleet covers fully hydraulic piling and drilling rigs as well as cranes and vibrators.

Contact

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