PROJECT REPORT

Infineon WBG H11-H13A Deep foundation

Data and facts

Company	PORR Bau GmbH
Type	Foundations, Special civil engineering
Runtime	05.2022 - 08.2022
Principal	PORR Bau GmbH NL Carinthia/East Tyrol / Infineon Technologies Austria AG

Project report online

www.porr.at

PORR drills

Two mixing pumping stations produced the cement on site to fill the annular space of the micropile bores in order to ensure a strong bond between the pile and the surrounding soil.

To verify the pile and soil conditions, 5 pcs. pile tension tests and 2 pcs. pile compression tests were carried out. An additional 8 piles were constructed for the pile compression tests. The test duration for each compression pile was estimated at 24 hours and a maximum load of 1,000 kN. This allows conclusions to be drawn about the long-term behaviour of the piles under compressive load in order to evaluate future expansion stages or additions to the existing structure.

Demolition, structural engineering and steel construction work took place in parallel during the drilling work. The constant coordination and the professional work process between those involved in the specialised civil engineering departments and the Carinthia branch contributed to the successful completion of the project.

Impressions

Image notes

1

Cased auger drilling through floodplain and river sediments.

The micropiles were drilled using a crawler drilling rig.

© PORR Spezialtiefbau

2

Efficient construction technology.

The 17m long micropiles are installed in one piece using special equipment.

© PORR Spezialtiefbau

Do you have questions about the project or would you like to learn more? Feel free to contact us for further information.

PORR Bau GmbH
Absberggasse 47
1100 Vienna
T +43 50 626-0
E-Mail: office@porr.at