BBV SYSTEMS

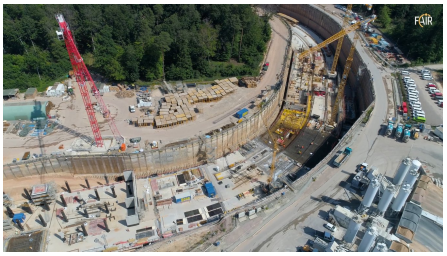
WIR SORGEN FÜR SPANNUNG | WE STRESS FOR STRENGTH

Reference

Arge Fair construction pit north









SHORT DESCRIPTION

The FAIR (Facility for Antiproton and Ion Research) construction project in Darmstadt included a new international accelerator facility for research with antiprotons and ions.

THE PROJECT

The construction pits have depths of up to 20 m and were secured by means of back-anchored, combined shoring. During the construction period, the groundwater was lowered by up to 7 m. Due to the size and complexity of the construction project, optimizations in the dimensioning and execution of the shoring system were necessary. Not least thanks to the use of the patented BBV-multibond® stacking anchors, which, thanks to their innovative design, allow all strands to be tensioned at the same time, it was possible to implement these optimizations.

SERVICES IN DETAIL

- Temporary anchor
- Semi-permanent anchors
- Permanent anchor standard

- Multi-strand anchor BBV-multibond®

FURTHER INFORMATION

Images: D. Fehrenz / GSI / FAIR

FACTS

Location	Darmstadt , Germany
Status	completed
Start of construction	January 2017
Completion	January 2020
Building owner	Arge Fair Darmstadt
Planning	Zentrale Technik der Ed. Züblin AG

SERVICES

Excavation pits