



BILFINGER

Press Release

May 30, 2018

Bilfinger awarded contract for superconducting magnetic modules

Bilfinger has received a major contract from GSI Helmholtzzentrum für Schwerionenforschung GmbH in Darmstadt, Germany, for the construction and delivery of 83 superconducting magnetic modules along with twelve additional modules. The contract is valued at over €20 million. The modules will be used in the SIS100 accelerator ring at the Facility for Antiproton and Ion Research (FAIR). FAIR is one of the world's largest research projects with an investment volume of more than €1 billion.

"Research facilities are crucial customers for us. I am therefore particularly pleased that we have been able to expand our partnership with GSI," says Ronald Hepper, Managing Director of Bilfinger Noell. The Bilfinger subsidiary is also working with the Karlsruhe Institute of Technology and CERN, the European Organization for Nuclear Research, among other research facilities.

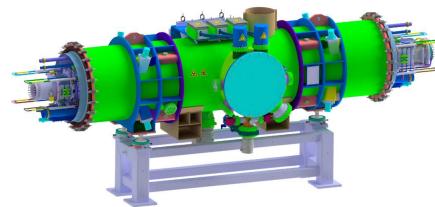
For more than ten years now, Bilfinger has been involved in the FAIR project. The FAIR accelerator will allow numerous experiments to be conducted to find out more about the structure of matter and the origin of the universe as well as to improve cancer therapy. The SIS100 accelerator ring generates the particle beams required for all these experiments. Bilfinger is currently producing a series of 110 superconducting dipole magnet modules for the SIS100. The basis for this is a prototype that Bilfinger also helped develop.

The 83 superconducting magnetic modules which are the subject of the new order each consist of two magnet units, a vacuum vessel with a thermal shield, radiant tubes and other complex components. Each of these devices has a length of around 5.2 meters and weighs over five tons. With their different structures, the different module types pose a logistic challenge. The twelve additional modules serve to connect superconducting magnet modules in the SIS100 particle accelerator.

Delivery of the first superconducting magnetic modules is planned to start in early 2019.



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Captions

Picture 1 / Picture 2

FAIR – 3D view of the planned accelerator in Darmstadt / 3D view of the superconducting magnetic module (Picture 1: ion42 for FAIR; picture 2: GSI)

Bilfinger is a leading international industrial services provider. The Group enhances the efficiency of assets, ensures a high level of availability and reduces maintenance costs. The portfolio covers the entire value chain from consulting, engineering, manufacturing, assembly, maintenance, plant expansion as well as turnarounds and also includes environmental technologies and digital applications.

The company delivers its services in two business segments: Engineering and Technologies and Maintenance, Modifications & Operations. Bilfinger is primarily active in the regions Continental Europe, Northwest Europe, North America and the Middle East. Process industry customers come from sectors that include chemicals & petrochem, energy & utilities, oil & gas, pharma & biopharma, metallurgy and cement. With its 36,000 employees, Bilfinger upholds the highest standards of safety and quality and generated revenue of €4.044 billion in financial year 2017.

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