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“Life on construction site of FAIR”

One of the largest accelerator systems in the world is being built at GSI in Darmstadt / Germany. The centerpiece is a ring accelerator with 1100 meters circumference in about 18 meters below ground. From the year 2025 approximately 3000 scientists from all over the world will work at FAIR, the Facility for Antiproton and Ion Research in Europe.

After a period of preliminary work, the groundbreaking ceremony for FAIR took place in summer 2017. Since then great impressive ground work is done, accompanied by surveying activities done by a subcontractor, like monitoring the earth excavation, survey of in-ground pipelines, settlement measurements on existing neighboring GSI facility, control measurements of the surface network and marking main tunnel axes within the deep building pit. Furthermore, work on transfer points is presented, which will already in this status serve as interface between pure construction surveying and precise accelerator alignment.

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