BILFINGER NOELL GMBH

MAGNET TECHNOLOGY IN A NUTSHELL.

SUPERCONDUCTING MAGNET TECHNOLOGY AT BILFINGER NOELL

In close cooperation with customers, Bilfinger Noell develops and delivers superconducting magnet systems and scientific instruments for research and industry.

Scope

Besides resistive magnets, we are adept with liquid cryogen bath-cooled and forced-cooled systems, as well as conduction-cooled dry systems. Bilfinger Noell utilizes NbTi, Nb3Sn, and HTS technologies and has experience with single strands, Rutherford cable, CICC and HTS tapes. For scientific instruments, we deliver mobile cloud chambers (PINE) for meteorology research and superconducting insertion devices for light sources and free electron lasers. We do also provide our expertise in cryogenics to develop custom-made cryogenic systems, e.g. test chambers, for you.

Bilfinger Noell is member of:

Conectus · mK Cooler Millikelvin Kryokühler Kooperationsnetzwerk · FUSION INDUSTRY ASSOCIATION · dIIF Deutsches ITER Industrie Forum e.V.

Portfolio of Magnet Technologies:

- Solenoids, Dipoles, Vector Magnets
- Insertion Devices: Undulators and Wigglers
- Instruments for Cloud Research
- Instruments for Quantum Computing
- Sample Environment
- Crystal Growth Magnets
- Nuclear Fusion and Neutron Sources
- Particle Accelerator and Light Sources
- Cryogenic Systems
- Custom Products
- Studies and Prototypes

Clients:

DE:	DESY, FRM 2, FZJ, GSI, IPP, KIT, TUM
EU:	CEA, CERN, CIEMAT, CNRS, F4E, ITER, JET, RFX
USA:	BNL, General Atomics, ORNL, PPPL
Others:	IBA, Siemens, SIMIC, Varian, Voith

Technologies

Bilfinger Noell GmbH
Alfred-Nobel-Str. 20 · 97080 Würzburg · Germany
Telefon +49 931 903-0 · Fax +49 931 903-6010
www.noell.bilfinger.com

BILFINGER