Alfred-Nobel-Str. 20
97080 Würzburg
GERMANY

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"Status and Future Perspectives at Babcock Noell"

W. Walter
wolfgang.walter[at]babcocknoell.de

Abstract:

Babock Noell GmbH (BNG) is a magnet manufacturer known in particular for its engagement in large scale projects such as LHC or Wendelstein 7-X. The series production of 416 LHC Dipoles was successfully completed in 2006 and the fabrication of the 50 non-planar coils was finished by the Wendelstein consortium in March this year. A number of large scale projects such as ITER and FAIR are in the short term horizon. Nevertheless BNG has proven broader capabilities, other than large scale production, which extend from feasibility studies, to prototyping and design optimization. Lately for example we are involved in prototyping dipoles for FAIR, manufacturing a high field Nb3Sn dipole for EFDA and developing a superconducting undulator for FZK. The aim of this presentation is to show the current status, capabilities, projects and future goals at BNG .