

## Development of Superconducting Magnets for High-field MR Systems in China

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**Abstract** - In this paper we describe the development of superconducting magnets for high-field Magnetic Resonance Imaging (MRI) by various businesses and institutions in China. As the Chinese MR market rapidly expands, many foreign and domestic companies and research institutions are joining the race to meet this burgeoning demand by developing key MRI components for various magnetic field configurations. After providing a brief introduction to research on superconducting magnets dating back to the 1980s, the first large-bore 1.5T magnet with 50-cm DSV for whole-body MRI - successfully developed and manufactured by AllTech Medical Systems in Chengdu, China - is presented and its specifications are described.

**Keywords** - Superconducting Magnet; MRI; AllTech Medical Systems; Centauri 1.5T

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