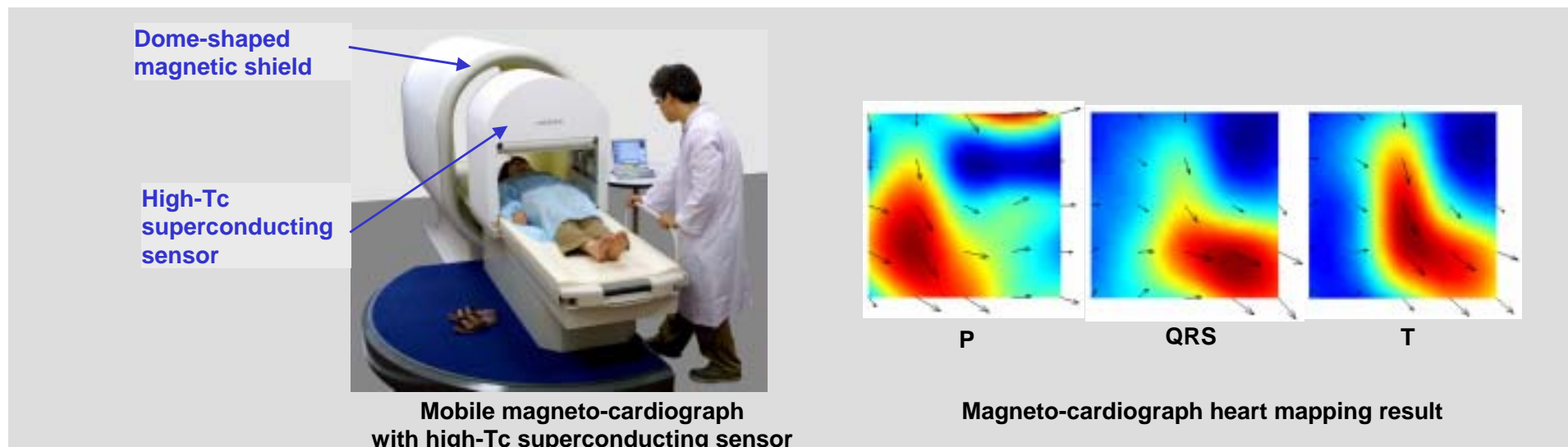


2004/6/1 Release

## Development of a mobile magneto-cardiograph for heart disease screening with 51-channel high-Tc superconducting sensor and dome-shaped magnetically-shielded room



Hitachi, Ltd. (henceforth Hitachi; President: Mr. SHOYAMA Etsuhiko), as part of the METI (Ministry of Economy, Trade and Industry) and NEDO (New Energy & Industrial Technology Development Organization) Support Program for Technology Development for practical use, has developed the world's first compact and mobile high-Tc superconducting magneto-cardiograph capable of quick examination for heart disease. This was achieved by the development of a highly sensitive 51-channel high-Tc superconducting sensor and a dome-shaped magnetically shielded room. This technology may be applied to future heart disease screening equipment for group medical examinations and health check-ups, as highly precise mapping can be conducted within minutes whilst clothed.