

Order Received from Idemitsu Kosan for FCC Reactor at Its Chiba Oil Refinery; Completion of CCR Reactor at Yamaguchi Oil Refinery of Seibu oil

Hitachi Zosen Mechanical Corporation (location: Nagasu-cho, Tamana-gun, Kumamoto Prefecture; president: Hisao Matsuwake; hereafter referred to as "HMC"), a 100% owned subsidiary of Hitachi Zosen Corporation known as the manufacturer of process equipments, has recently been awarded an order of a Reactor by JGC Corporation (location: Yokohama City, Kanagawa Prefecture; president: Keisuke Takeuchi) for Idemitsu Kosan Co., Ltd. Chiba Refinery (location: Chiyoda-ku, Tokyo; president: Akihiko Tembo; hereafter referred to as "Idemitsu"). The company has completed the fabrication, then shipped the reactor to Seibu Oil Co., Ltd. Yamaguchi Refinery (location: Chiyoda-ku, Tokyo; president: Yukio Shimizu; hereafter referred to as "Seibu Oil").

The reactor for Idemitsu is the fluid catalytic cracking (FCC) Reactor (inner diameter: 4.7 meters; weight: approx. 200 tons) which will be used for polypropylene manufacturing process by reacting desulfurized oil with catalyst. The reactor shipped to Seibu Oil is the continuous catalyst regeneration (CCR) Reactor (inner diameter: approx. 2.8 meters; weight: approx. 190 tons). Both of these reactors employ chrome molybdenum steel for their main material.