





POWER MnC Co., Ltd.

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major business	Fuel Handling System, Crane for Nuclear Plant and Facilities for safety system		

“Core component, equipment design manufacturing and service provider in Nuclear and Steel-making industries.”
POWER MnC Co., Ltd. is the specialized company for industrial instrument and control device and facility manufacturing. We specialize in technical support and engineering of fuel handling system, crane for nuclear power plant and safety facility, diagnostic system for steel facility, field facility operation.

Products

 <p>FHS, Fuel Handling System</p>	<p>Description RM, Refueling Machine: Extract/load nuclear fuel from/into the reactor vessel SFHM, Spent Fuel Handling Machine: Handles nuclear fuel in the nuclear fuel building CEACP, CEA Change Platform: CEA in reactor building replacement tool</p>
 <p>COSAS&SFP Crane (Crane Operation Safety Assurance System&Single Failure Proof Crane)</p>	<p>Description Preventing damage to each part of crane and crush of salvage goods caused while lifting heavy goods with crane(Preventing Single Failure) Core facility of nuclear power plant crane that satisfy Single Failure Proof Crane, NUREG-0554), applicable to handle hazardous substances, including radioactivity</p>
 <p>Precision Load Positioner</p>	<p>Description For precise adjust of top and bottom when assembly and disassembly heavy structure or equipment and rotation of salvage goods Control the vertical position with precision of 0.025mm to 1.2mm per second with in the maximum vertical stroke of 305mm Installation on Polar Crane and Main Hook of General Crane For precision control of heavy lift operation, such as reactor</p>
 <p>PLB(Precision Lifting Beam)</p>	<p>Description Ultra-fine hydraulic control method applied in PLP, control the up and down position at a rate of 0.01mm per second Prevent damage of Bearing Journal by leveling with motor Automate adjustment of lifting block(Store Rotor in each location) Installation of lifting beam angle sensor Operation of various information display(weight, angle, top and bottom position) and wireless remote control</p>

Technical Capacity

<p>» Specified by Advanced Technology Center Association(ATC) Development of Master Assembly and Integrated Transfer System for Nuclear Fuel Re-loading Development and Construction of Physical Performance Test Equipment Optimized for APR1400</p>	<p>» Developed Monitoring System for Operation of continuous casting facilities Localization development of Off-Line Roll Checker Development of world's first On-Line Roll Checker(non-stop measurement) Selected as World Best World First(POSCO)</p>
<p>» Obtained KEPIC-MN&ASME U/S/PP Certification Establishment of quality assurance system meeting Global Standard Required certification for manufacturing nuclear facility(cast, etc.) and core parts</p>	<p>» Earned New Excellent Technology(NET) for Turbine Rotor Precision Lifting Device(PLB) Equipment installed on the ceiling crane of the plant turbine building to precisely lift heavy objects such as turbine/generator rotors</p>