Optimal control with high-reliability systems

High-speed control systems for steel and non-ferrous plants

Combination of individually standardized packages and components enables stable operations.

Our solutions provide optimal systems based on the standard packages for iron and steel plants and non-ferrous metal plants that Fuji Electric has developed with expertise cultivated over many years.

**[Benefits]**

- Introduction of highly reliable electrical equipment
- Coexistence with high-speed control and monitoring control
- Reduction of specific energy consumption through efficient usage
- Stable operation and reduced maintenance

**[System features]**

- Standard packages for metal plants can be combined with components according to the target facility.

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<Examples of systems for process lines>

【Functional overview】

■ High-speed drive control packages (Drive Master Controller (DMC))
  Various standard-equipped control functions for high-speed control of drive units to provide stable operation and maintenance.

■ Individual control packages
  Optimal control with minimum workload and cost by combining standard packages according to equipment requirements.

■ System construction including computers (L-2)
  Computer packages for operation management, and data collection packages that can analyze operation status on time axis or product axis are also available.

【Introduction example】

■ Continuous hot-dip galvanizing line
■ Aluminum surface treatment line
■ Continuous surface treatment line
■ Continuous annealing line

【System configuration】

![Diagram showing system configuration with various devices and connections, including Level-1, Level-2, Level-3, Electric room, Control panel, Yard, HMI, PDCS, WPD, PLG, Shear, Welder, TM, WPD, PLG.](image-url)