Implementation of global standard MES system through standardization and integration

**Project Description**

- **Customer**: Worldwide No.2 Wafer production company in Germany
- **Solution**: MES, Factory Automation
- **Range**: Ultra Pure Silicon Wafer Growing, Wafering and Finishing
  - MES, Automation and Integration of ERP/SCM/MDM/Report

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**The Challenge**

- Technical support suspended by deteriorated systems
- Excess maintenance costs from using multiple dispersed systems due to the lack of MES functionality
- Management difficulty due to uneven processes and systems of each plant
- Limitations and high costs of applying a new process

**The Solution**

- Established global supply chain process and building the standard MES platform applicable to the entire site
- Established the company's standard process, building the standard MES system and expanded add-on method of special modules by site
- Building Integrated reporting at HQ office of Germany with total production data

**Benefits**

- Ensured site-to-site collaboration and enterprise visibility with global standard MES systems
- Eliminated complexity through standardization and integration and reduced maintenance costs
- Reduced system-replacement time and costs for process changes
- Optimized manufacturing lines and improved productivity through standard process set-up