

## Priority business measures

### Contribution to resolving societal issues by providing optimum solutions

IDEC FACTORY SOLUTIONS CORPORATION has developed a wide array of systems as a solutions-oriented system integrator in the factory automation and social system fields leveraging IDEC's strength in HMI, safety-related products and safety systems.



Factory automation system

### Launching DX solutions for the pharmaceutical industry

As an IoT solution catering to DX needs that integrates the development of smart factories with monitoring and control systems (SCADA), we have begun the rollout of a manufacturing execution system (MES) to not only make individual devices IoT-capable, but to connect them to further raise productivity.

Meanwhile the pharmaceutical industry is in the midst of an industry reorganization at the global scale, when investments in DX to strengthen competitiveness rapidly accelerating. In the Japanese market in particular, companies are facing an urgent need to deal with "manufacturing data integrity" which is lagging far behind that of foreign manufacturers.

The use of MES/SCADA systems is an essential part of efforts aimed at global standard good manufacturing practice (GMP), the standards for manufacturing and quality control of pharmaceuticals. This goes beyond simply introducing these systems; they need to integrate with various manufacturing

processes in production lines and also work with enterprise resource planning (ERP) systems.

By providing the latest DX solutions as an added component to the HMI and control panel-driven integrated production line control we have developed to date, we will develop solutions to address these GMP issues.



### Proposing robot systems anticipating a future society where humans and robots collaborate

As a measure to improve productivity, there is a growing demand for utilizing AMRs to automate the transportation processes within factories. Due to the increasing need to develop sophisticated systems that broaden the scope of automation to including picking and serving operations in addition to simply transporting items, we are making improvements to automation proposals that add something extra to transportation tasks by equipping AMRs with collaborative robots.

We excel in the development of systems that pose high hurdles in terms of safety aspects, such as controlling the operation of multiple units and building systems that integrate with elevators. Particularly, there is a rising trend in inquiries from industries such as semiconductor and pharmaceutical manufacturing, which face labor shortages and require advanced automation technologies.



AMR use case

### Leading the control panel industry as a driving force in DX

For industrial machinery including semiconductor fabrication equipment, the control panel is a core component that can be considered the brain. While the demand for automation and electrification is growing worldwide, the situation is becoming critical at Japanese control panel manufacturers, impacted by personnel shortages driven by the declining birthrate and aging population.

Approaches that enable even unskilled workers to perform assembly operations, and initiatives to make full use of the knowledge of skilled workers while raising productivity are needed. We have led the industry with the introduction of 3D CAD for electrical design, and will significantly improve production efficiency by seamlessly connecting processes from design through to manufacturing.



### Leader's Message



### Earning high levels of trust with outstanding system control technologies and safety consulting capabilities

**Junichi Tanaka** Leader, Sales Department, IDEC FACTORY SOLUTIONS CORPORATION

Currently, I'm responsible for sales of automation solutions for transportation processes utilizing AMRs and collaborative robots. Lately, there has been an increase in inquiries requiring integration with higher-level systems such as ERP and Warehouse Management Systems (WMS). With systems becoming increasingly complex and sophisticated, the key to success in factory automation is striking a balance between safety and productivity to a high level.

Our solutions, which include safety consulting, are earning a deep level of trust from even more customers.