Automation & Sensing

Introduction

Value Creation Story

Business Strategy

Foundation For Value Creation

Governance

Data

Priority business measures

Offering optimal solutions matching the era of IoT and Industry 4.0

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Amid the decline in working population and spread of IoT, demand is rising for products that support remote monitoring/operation and play a key role in streamlining and automating work processes. We offer a diverse product lineup that serves those needs.

Our extensive array of solutions can help customers to streamline and automate their manufacturing operations. Examples include programmable logic controllers (PLCs) for controlling machinery and production lines, sensors that detect objects or changes in conditions, as well as code readers, RFID systems, and other automatic identification devices that answer the growing demand for traceability.

Examples of leveraging IoT to solve customer challenges

We provide diverse applications that help customers to tackle their challenges

Safety and efficiency at construction sites are improved by monitoring of local weather data and measurement data (Sokusyou Niigata Co., Ltd.).

Production line availability and workload are improved by full-time monitoring of molten aluminum holding furnace conditions and monitoring of energy consumption (SHIZUOKA GAS ENGINEERING Co., Ltd.).

Maintenance workload is reduced through control of stirling engine used for biomass power generation, and through creation of a remote monitoring system with a simple device configuration (EcoSTAGE Co., Ltd.).

Measurement of environmental conditions at construction site

Molten aluminum holding furnace monitoring system

Control of biomass power generation

Broadening our sensor lineup to satisfy increasing demand

In order to meet the growing and diverse needs of various industries, we offer a wide range of sensors with different detection principles, distances, and target objects.

Our "1A1M series" of Multi-use mmWave (millimeter wave) radar sensor was developed by IDEC ALPS Technologies Co., Ltd., our joint venture with ALPS ALPINE CO., LTD. These sensors, made possible by applying technologies cultivated in the consumer and automotive industries to industrial devices, are able to maintain superb object/distance detection performance in even adverse environments. They answer unmet market needs and help to resolve challenges faced by society.

Offering optimal solutions through IoT-supporting products and functions

We offer optimal solutions utilizing our "SG1A series" of cloud-based data loggers that make it easy to construct IoT systems, and our "FC6A Plus series" of PLCs that support MQTT and web server functions.
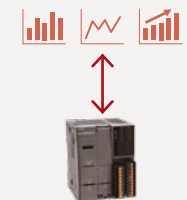
"SG1A series" of LTE cloud-based data loggers

Simple cloud-based collection and monitoring of system and device data

MQTT function of "FC6A Plus series" IoT controllers

Cloud-based collection and integrated monitoring of data from multiple systems and devices

Web server function of "FC6A Plus series" IoT controllers

Simple monitoring of a single system or device

Manager's Message

Proactively leveraging digital tools for effective marketing activities

Linda Htay

Product Marketing Manager
IDEC CORPORATION (USA)

My goal is to bring high quality and innovative products to market. It is important to understand a new product offering, so that I can educate both internal and external stakeholders by outlining the products' unique value and providing hands-on training using real-world application examples.

Marketing in the digital age is an exciting challenge. As the internet and new media have added so many options to a marketer's toolbox, creating digital assets like whitepapers and product videos to generate many leads and opportunities is essential in marketing strategy.