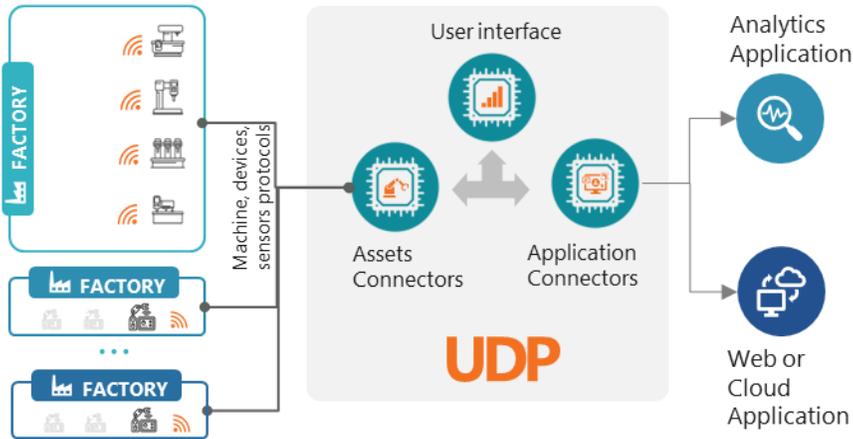**FPT**

Unified Data Platform

Machinery management at your fingertips

An integrated platform that enables real-time data collection from machinery at multiple locations, empowering IoT connectivity. With data sent from sensors implanted in machines, from PLC, CNC, robot arms and conveyor to industrial manual machines, UDP analyses production activities to measure overall equipment effectiveness, forecast potential malfunctions, and ultimately optimize assets utilization.

FACTORY

Machine, devices, sensors protocols

User interface

Assets Connectors

Application Connectors

UDP

Analytics Application

Web or Cloud Application

FACTORY

FACTORY

CAPABILITIES

AI-powered feature

Data Harmonization
Enable analysis of each machine individually and of the whole system

Remote management
Enable timely response to factory downtime with **Agentic AI** that provides action plan and inform relevant stakeholders

Predictive Maintenance
Predict maintenance schedule leveraging pretrained AI modes that analyze real-time sensor data

Failure Forecast
Classify the likely type or mode of failure based on current and historical sensor readings

Assets Data Monitor
Measure health, efficiency, and utilization of factory assets using data received from sensors

Anomaly Detection
Detect and alert users of deviations leveraging **Machine Learning**

KEY VALUES

- MONITOR ASSETS FROM FACILITIES AROUND THE WORLD
- DRIVE DECISIONS WITH REAL-TIME PERFORMANCE VISIBILITY
- DIAGNOSE & FORECAST MACHINE FAILURES

Customization
Be-spoke solution built for specific industry

Fast scaling
Enable speedy international roll-out using micro-service architecture

Adaptability
Data sharing and integration with other enterprise platforms such as ERP, MES, PLM, Scada, etc.

Digital twins
Virtual view of facility assets with IoT technology

scm