



Machine Optimization Solution

Remote monitoring, control & operation optimization

Smart Device Framework

- ▶ Device remote monitoring & control
- ▶ Rich data visualization dashboard
- ▶ Automatic rules & alarm
- ▶ Device management job schedule
- ▶ Data collection & transformation

Predictive Maintenance

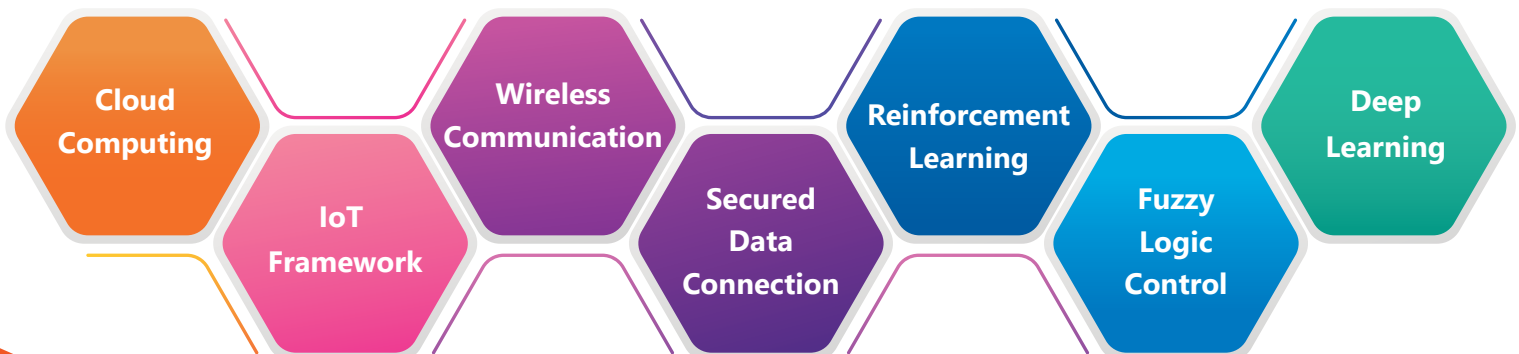
- ▶ Eliminate unplanned downtime
- ▶ Prediction model by AI
- ▶ Maintenance schedule

Operation Optimization

- ▶ Data prediction model
- ▶ Working process optimization

Edge Data Secured Processing

- ▶ Easy customizable data processing
- ▶ Well proven security mechanism



Smart Device Framework



Device Remote Monitoring & Control
(device agnostic, rich connectivity)



High Security
(backed by top IoT platforms)



Rich Data Visualization Dashboard



Cloud Computing Deployment



Automatic Rules & Alarm



Scalability & Reliability



Device Management Job Schedule
(including software & configuration update)



Serverless & Microservices Architecture



Data Collection & Transformation



Big Data Analytics Support

Operation Optimization

Optimize the machine operation based on analyzing the historical & experiment data



Performance improvement



Energy consumption optimization



Continuous self-improvement

Predictive Maintenance

Predict failure in the future by analyzing the historical & real-time data



Eliminate unplanned downtime



Reduce the maintenance cost



Increase the machine lifespan



Reduce spare parts stock cost

Secure Edge Data Processing Platform



Simplify data extraction by standard framework



Easily orchestrate data model with processing intelligence and data streaming



Define data processing rules both in the cloud and at the edge



Built-in security connection with proven security measures

Case Study

Dryer Operation Optimization

