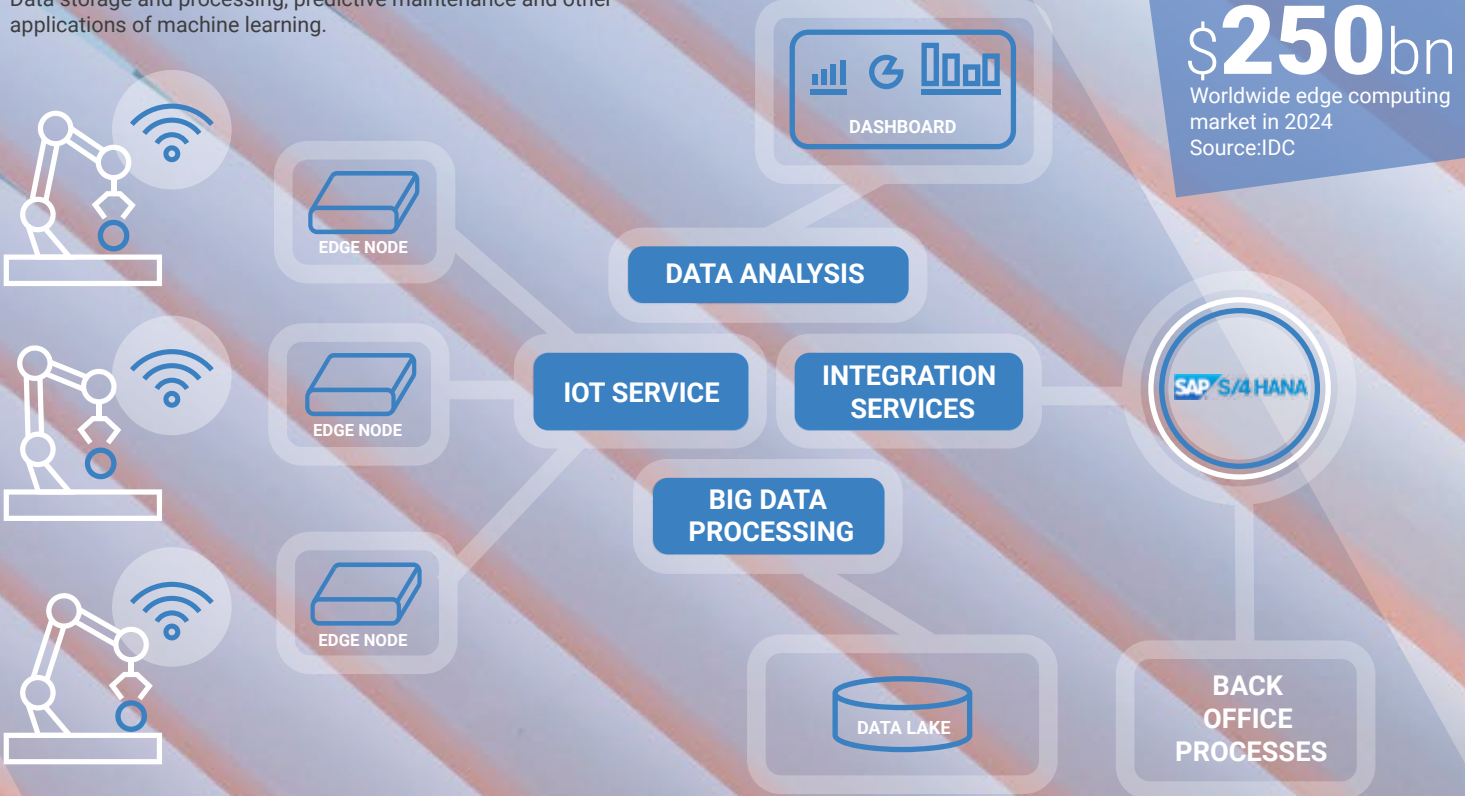


# EDGE COMPUTING SOLUTION

The NTT DATA Edge Computing Solution helps make smart factories a reality by enabling manufacturers to create more agile and automated production environments.

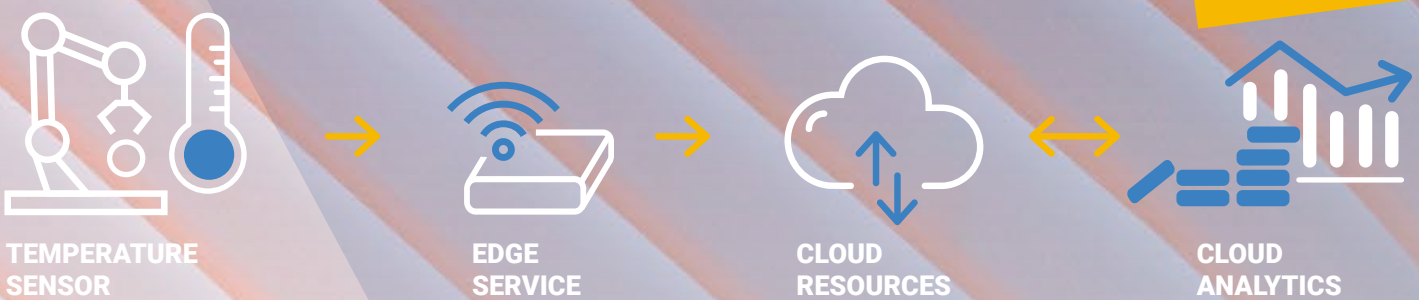
## THE BUSINESS CASE

The NTT DATA Edge Computing Solution combines the responsiveness and data security offered by edge devices with the benefits of platform-based resources in areas such as back-office integration, Big Data storage and processing, predictive maintenance and other applications of machine learning.



## HOW NTT DATA EDGE COMPUTING WORKS

**01** During normal operation, data from sensor is sent to edge device for preprocessing and filtering before passing to centralized cloud resources for analysis.



### MQTT

Is a messaging protocol for light-weight communications between connected devices & servers.

**02** For example, if the measured temperature is not between certain thresholds, an automatic maintenance request can be sent to SAP Plant Maintenance and if the sensors detect a hazardous situation, the edge device can immediately halt operation of the defective machine to prevent damage.



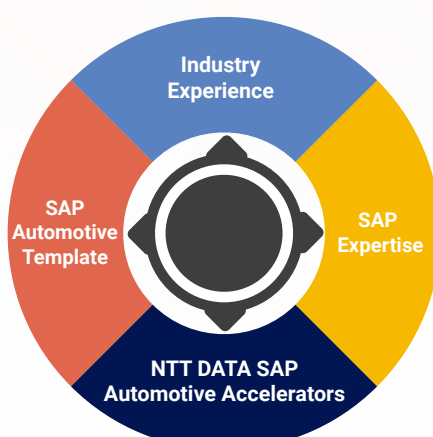
## BENEFITS OF NTT DATA EDGE COMPUTING SOLUTION

- REDUCES DOWNTIME AND COSTS
- GREATER DATA SECURITY
- BETTER PERFORMANCE FOR LATENCY-SENSITIVE DEVICES
- SAVES ON CLOUD COMPUTING COSTS
- REDUCES LOAD ON PUBLIC NETWORK
- IMPROVES RESILIENCE IN CASE OF INTERMITTENT CONNECTIVITY

## WHY CHOOSE NTT DATA FOR YOUR SAP S/4HANA AUTOMOTIVE PROJECT

- Fully customized SAP S/4HANA system including all core areas such as finance, procurement, sales, logistics, production.
- Includes new SAP modules such as EWM, IBP, TM, VMS etc.
- SAP Cloud Platform and Cloud Integration.

- SAP JIT/JIS.
- Supply Chain Control Tower.
- Edge Computing Integration via Cloud Platform.
- Smart EWM High-Bay Racks.
- Individualized Production.



- NTT DATA has been serving the automotive industry for more than 40 years.
- NTT DATA has more than 10,000 IT consultants serving 85 clients in the automotive value chain including OEMs, suppliers and dealerships.

- 29-year partnership with SAP.
- Over 5,000 active SAP clients.
- Leading SAP partner with over 300 S/4HANA projects.
- Resource coverage in over 58 countries.