BOSCH
Invented for life

Digital Twin
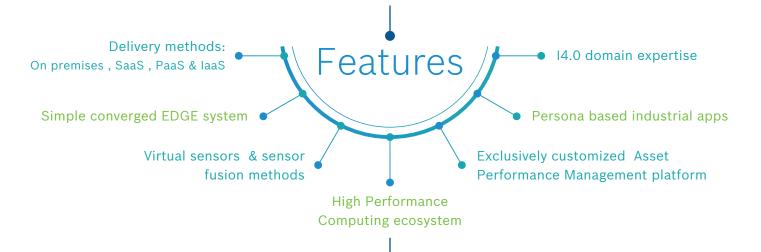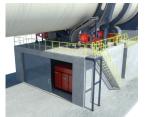## ENABLING CREATION OF UNIFIED DIGITAL ENTERPRISE

About Digital Twin
IDEATE · AGGREGATE · ANALYZE · ACT

An AI powered modeling solution to address business, engineering and physics problems of industrial assets that simulates and generates predictions to enable judgements and aid digital management of industrial assets to drive business outcomes.

Features

- Delivery methods: On premises , SaaS , PaaS & IaaS
- Simple converged EDGE system
- Virtual sensors & sensor fusion methods
- High Performance Computing ecosystem
- I4.0 domain expertise
- Persona based industrial apps
- Exclusively customized Asset Performance Management platform

Bosch Solution Overview

CUSTOMER'S VIEW

Action
- ▶ Performance management
- ▶ Fleet optimization

Insight
- ▶ As designed – As operated comparison
- ▶ Prognostics
- ▶ Financial context

Data
- ▶ Alert & warning systems
- ▶ Diagnostics

Operating Physical Asset

Digital Model

Failure Models

Asset / Process Digitization

Digital Twin Core

Insights Framework

SENSORS

SOFTWARE

SERVICES

Investment Reasoning
#Twin2Win

Rationale	Business Impact

Predicts problems before they actually arrive

Automates & eliminates repetitive tasks

Reduced maintenance costs

Addresses mutually exclusive problems

Reduced down time

Provides spectrum of insights

Improved OEE

Recommends solution to fix problems

Reduced MTTR & MTBF

Empowers judgement based on data

Predictable RUL

Reduces uncertainty

Investment deferrals on R&R costs

Tames complexity

Optimize / Reduce TCO

Improve business margins

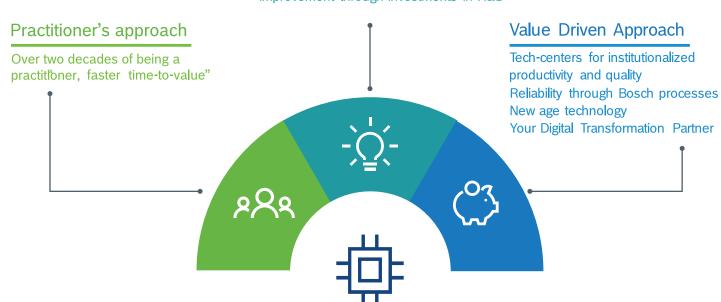**Increase revenues** | **Improve experience** | **Cut costs**

The Bosch Advantage

Focus on innovation
Part of Bosch innovation ecosystem
Continuous focus on innovation and
improvement through investments in R&D

Practitioner's approach
Over two decades of being a
practitioner, faster time-to-value"

Value Driven Approach
Tech-centers for institutionalized
productivity and quality
Reliability through Bosch processes
New age technology
Your Digital Transformation Partner

Sensors.Software.Services
All under one roof, you are
Simply. Connected.

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