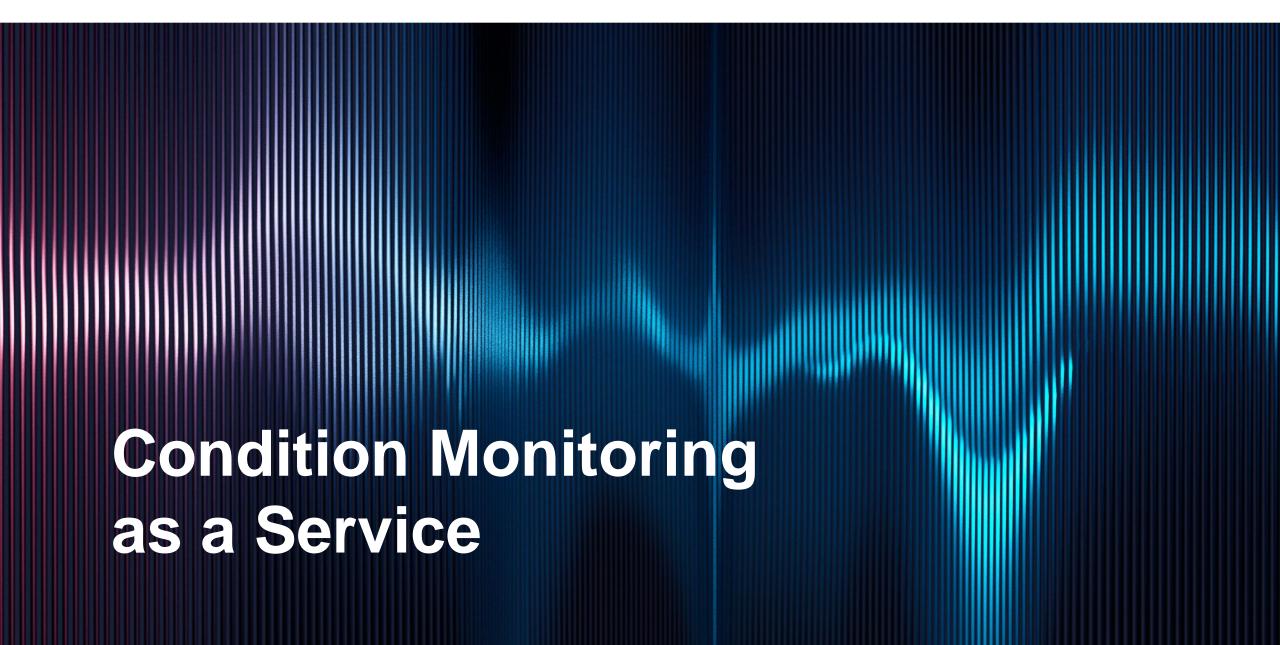
AVEVAWORLD







From 4 to 2850











Working with you to find the best possible solutions



































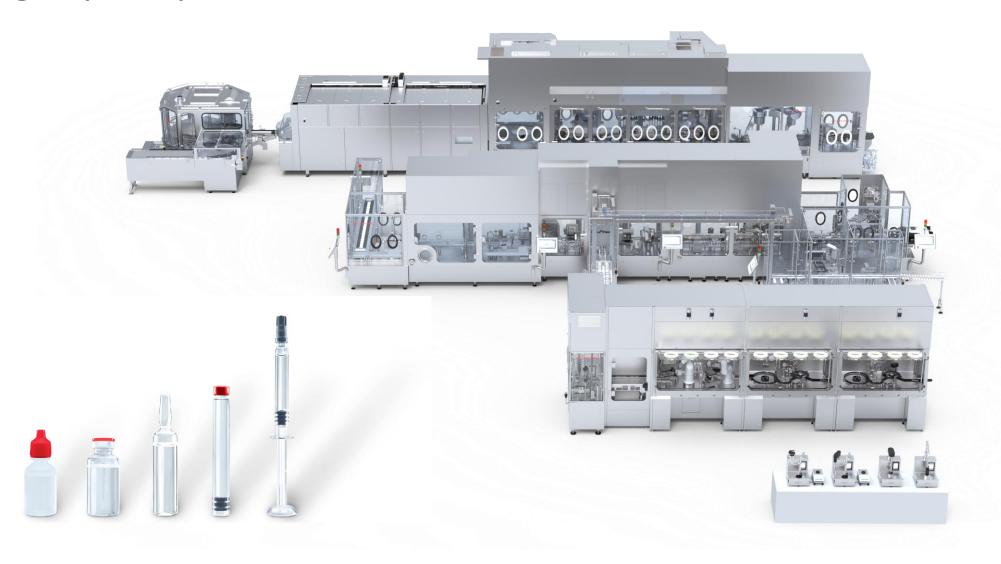








Machine portfolio: From lab-scale machines to high-speed production lines





Machine portfolio: From lab-scale machines to high-speed production lines



- GENEX
- CombiSys
- VarioSys





Central platform for everything to do with Bausch+Ströbel machines



OMNIA XR
Virtual Machine Training



OMNIA
TROUBLESHOOTING
Operator Support

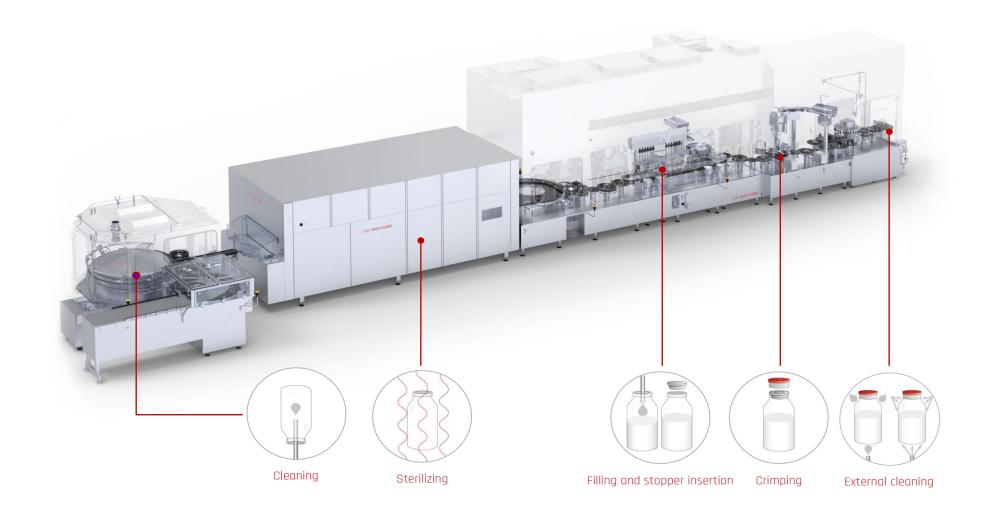


OMNIA CONNECT Data Provisioning

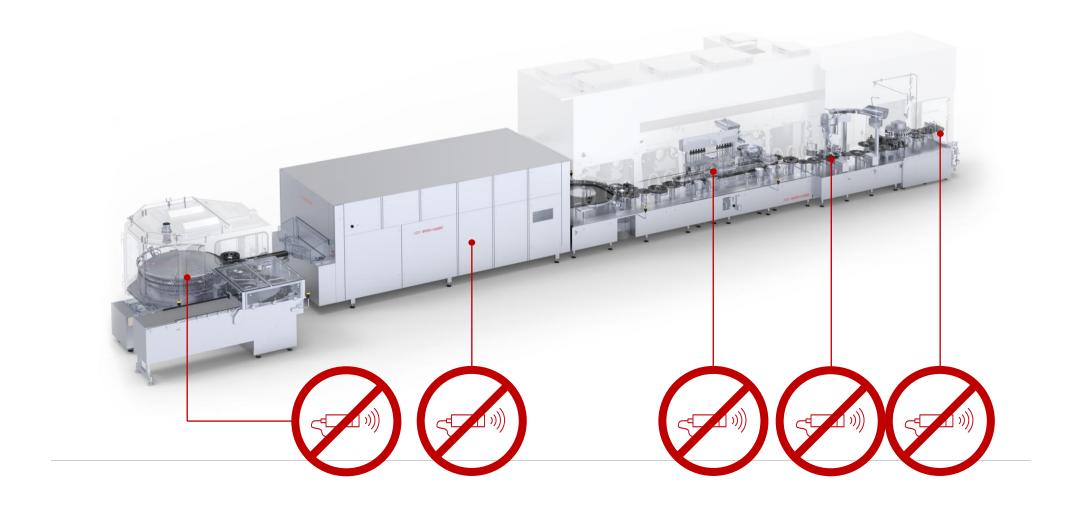


OMNIA PI Data Analysis

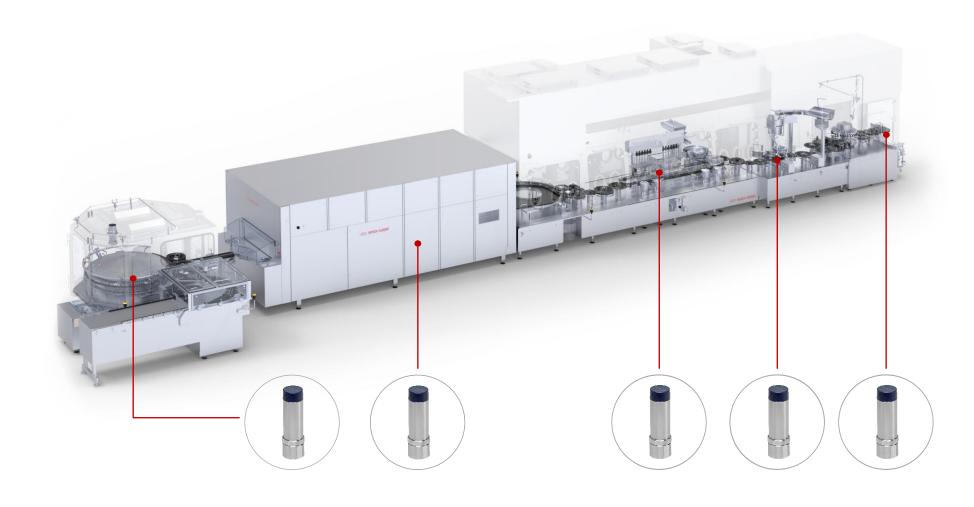








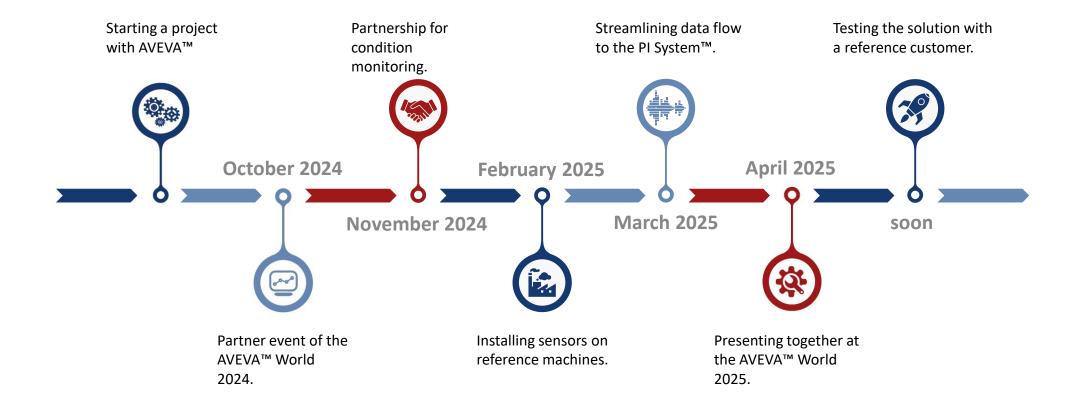




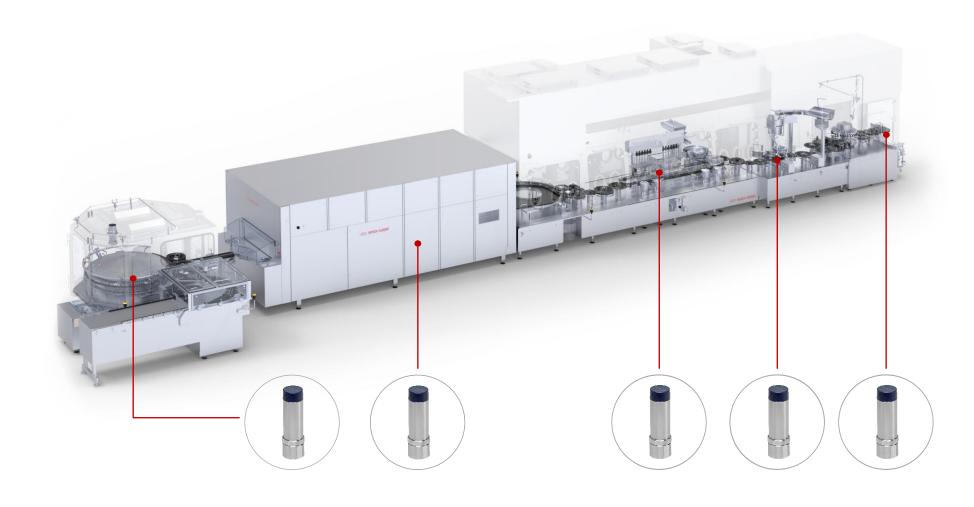
Project Timeline











A pioneer in asset optimization and protection solutions for rotating equipment





Founded in

1942

Workforce of

> 210

employees

Network of

> 70

channel partners

2

main manufacturing / logistics facilities

3

diagnostic and surveillance expertise locations

4

commercial offices worldwide

With over

40,000

wind turbines instrumented

With over

800

hydro turbines instrumented

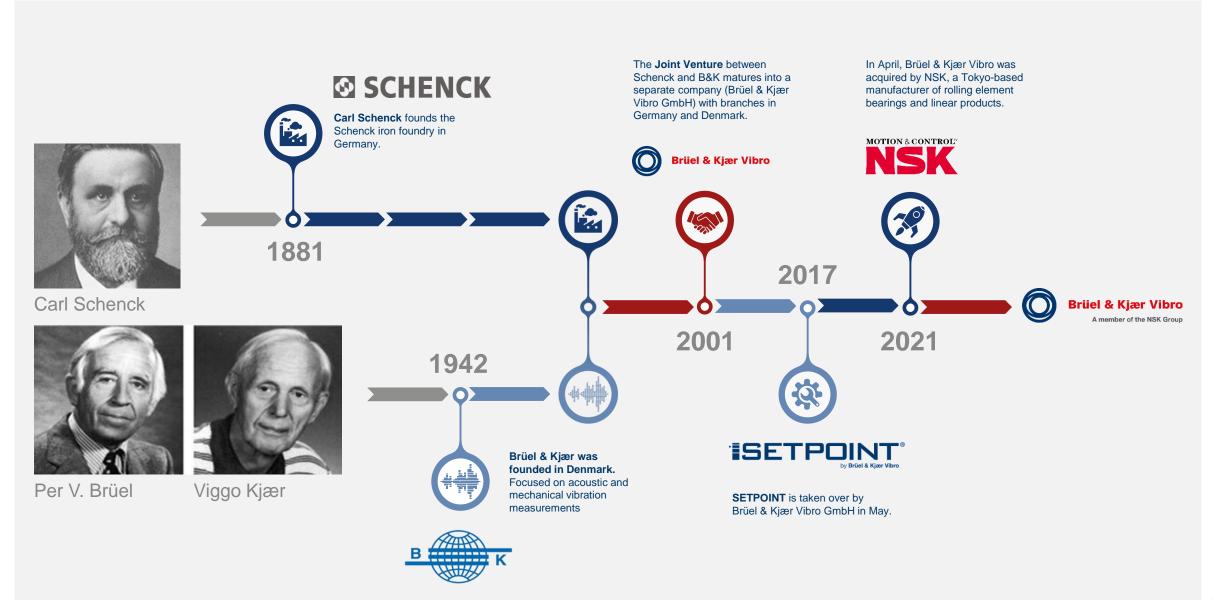
With over

10,000

hydrocarbon-processing machines instrumented

Pioneering spirit since 1881







We are the pioneers of condition monitoring and machine protection with decades of expertise in safeguarding both people and machinery.

We give every machine a voice, that we translate into actionable insights to boost productivity.

By securing energy and industrial infrastructure, we support a sustainable society.

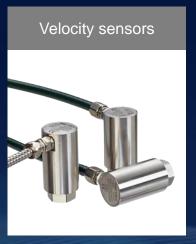
We keep the world's machinery spinning!

High quality sensor portfolio



B&K Vibro offers a range of purpose-built sensors to detect vibration-related machine problems











B&K Vibro's winning formula



360° offering









Across a wide range of industries

















Generators



Gas Turbines

Across all rotating equipment assets





Pharmaceutical









Hydro Turbines









Steam Turbines



Unique experience and data ownership

1tn+
data points owned

200k+ monitoring hours

40k+ monitoring systems sold

1,180+
bearing types monitored

120+
gearbox types monitored

10+
years average tenure
of R&D team

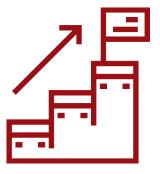




Lighthouse Project

Goals

- Secure smooth operations
- Optimize maintenance windows
- Make the solution retrofittable



Approach

- Collecting data
- Generate insights
- Enlighten users

Partners

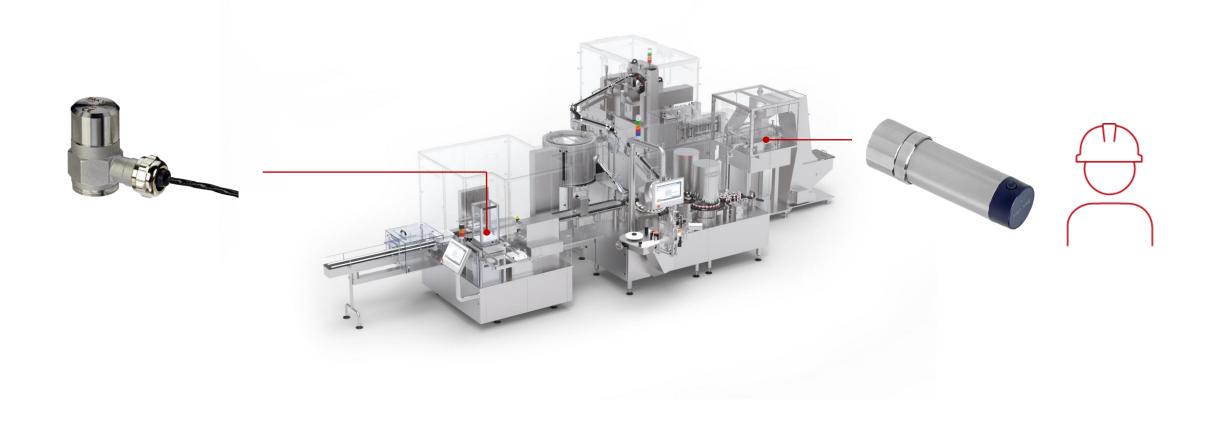






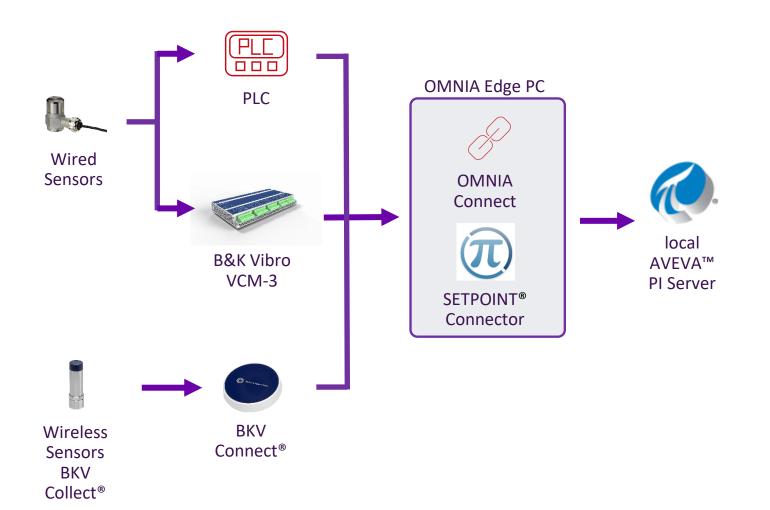
Collecting Data

Wired sensors vs. wireless sensors





Collecting Data



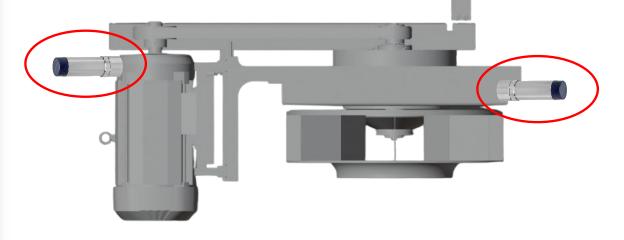
- Find out where to measure
- Transfer data to AVEVA™
 PI System™
- Keep GxP data on your local AVEVA™
 PI Server
- Make the approach retrofittable



Collecting Data

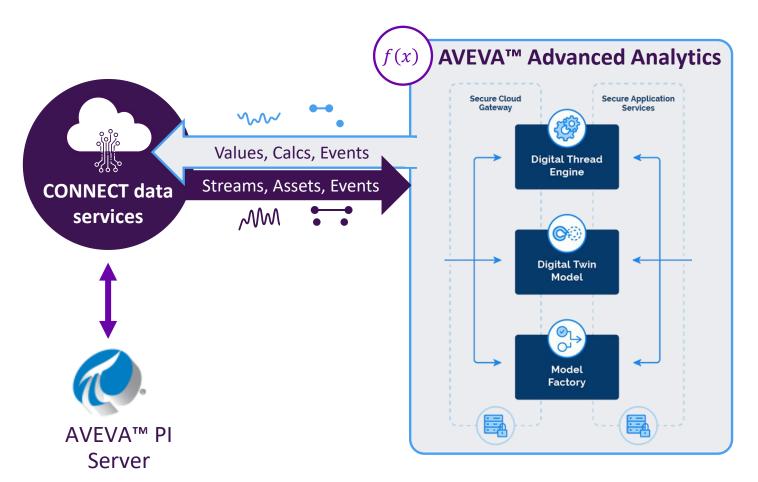








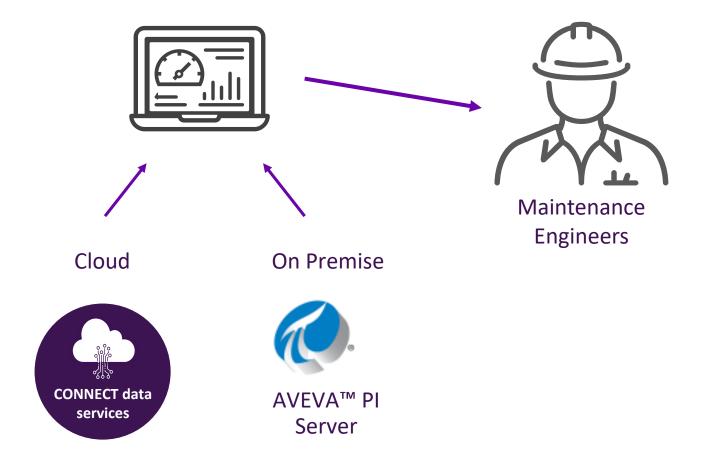
Generate Insights



- Combine vibration data with process data
- Build on the experience of machine constructors and vibration experts
- Train a model and adapt it to data snapshots



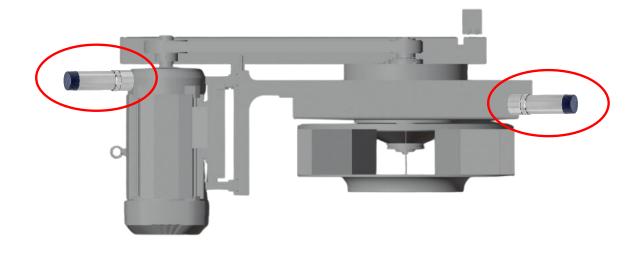
Enlighten Users



- Generate actionable insights
- Secure smooth operations
- Optimize planned downtimes



Enlighten Users





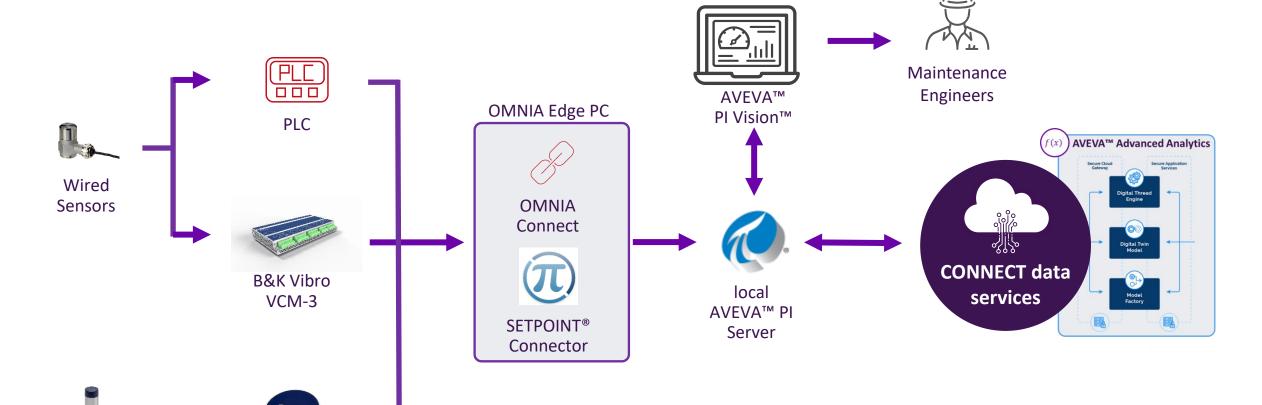


Condition Monitoring as a Service

BKV Connect®

Wireless

Sensors BKV Collect®



Road Ahead

- Optimize data collection
- Optimize analytics
- Define retrofit solution
- Select reference customers



Condition Monitoring as a Service

BAUSCH+STRÖBEL



Securing smooth operations through actionable insights.

- Full data ownership.
- Secure architecture.
- True collaboration.

