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**ABB Measurement
& Analytics**
Who we are





We are trusted to make some of the world's toughest and most important measurement challenges easy



From interferometers in space

to measuring greenhouse gases on the ground



From instrumentation and analyzers

to ensuring a clean environment at home and in the workplace



From O&G measurement solutions

to running our countries



From pressure transducers

to optimizing fuel usage of vessels

From electromagnetic flowmeters

to 15% less water consumption

Sustainability relies on measurement




Industrial emissions to reduce environmental impact



Methane leakage to ensure public safety & reduce emissions



Combustion pressure to reduce fuel consumption



Measuring to protect the environment | From space to seabed



Ballast water to protect fragile ecosystems

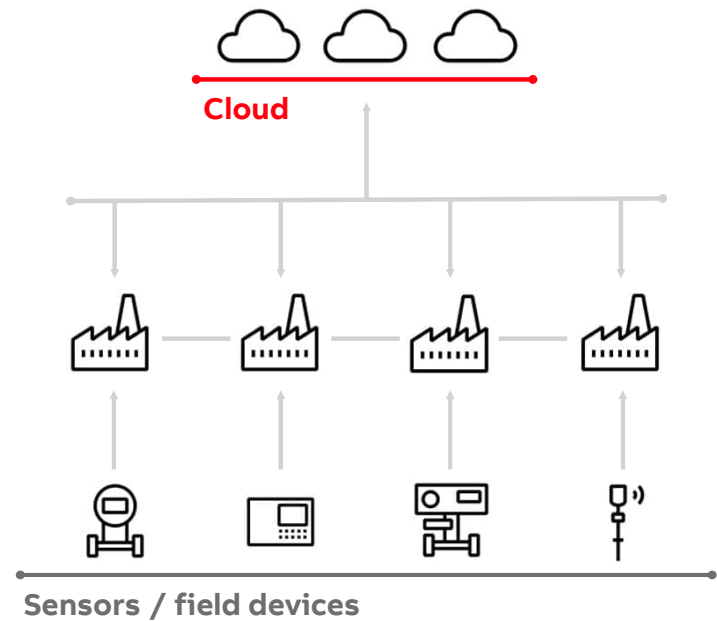


Water flow to prevent leakage and loss of a precious resource

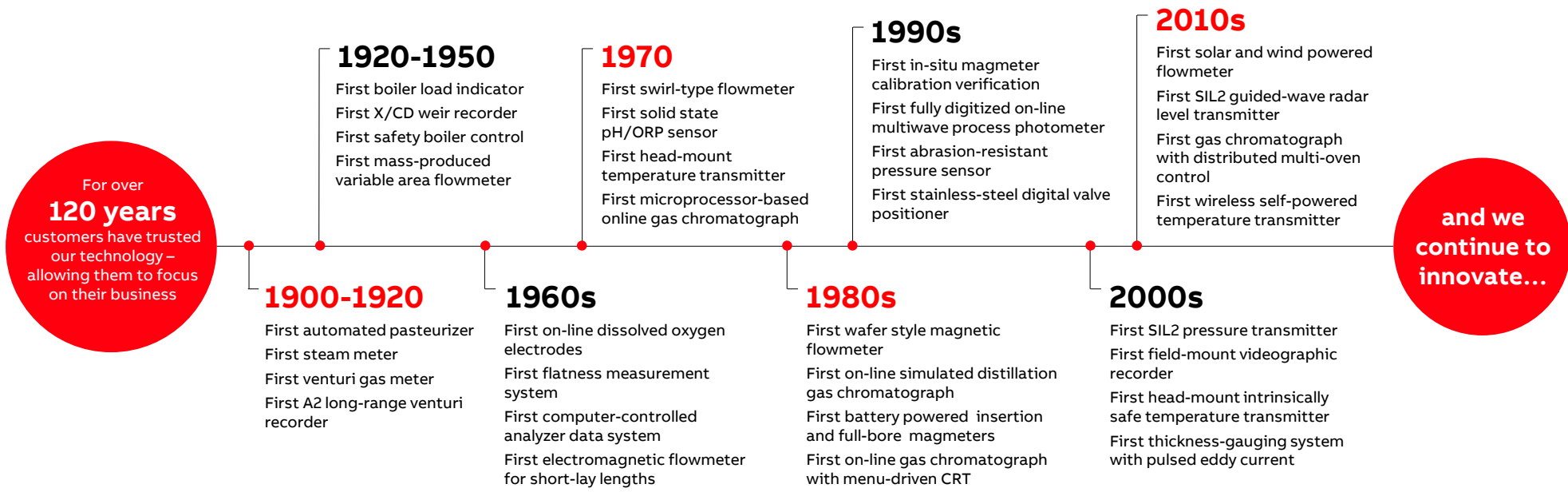


Water quality to ensure the availability of potable water

**We are the foundation
of industry's digital
transformation**

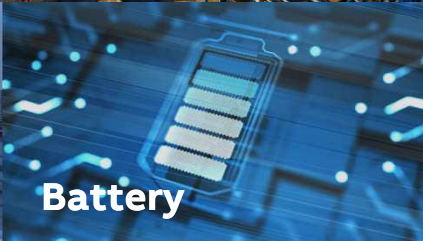


120+ year history of innovation



Measure where it matters

Measurement solutions from ABB are used extensively in a variety of different industries



We are solutions driven

About us

BL INSTRUMENTATION

Managing Director: **Amina Hamidi**



2,000
talents



11 Factories &
5 technology centers



5 Product lines

- Field Instrumentation Devices (Temperature, Pressure & Level)
- Process flow
- Electromagnetic flowmeters
- Flow computers
- Actuators & Positioners



BL ANALYTICAL

Managing Director: **Jean-Rene Roy**



~1,500 talents



6 Factories &
5 integration centers



5 Product lines

- Continuous Gas Analyzers
- Continuous Water Analyzers
- FTIR/FTNIR
- Gas Chromatographs
- Laser-based Analyzers
- Recorders & Controllers
- System Integration



BL FORCE MEASUREMENT

Managing Director: **Ekkehard Neureither**



240 talents



1 Factories &
4 technology centers



6 Product lines

- Flatness
- Dimension measurement
- Roll Force & Strip Tension
- Web Tension measurement
- Combustion pressure measurement
- Weighing



A solution for every measurement challenge

Instrumentation

FIELD INSTRUMENTS

FLOW DEVICES



Pressure



Actuators



Positioners



Temperature



NINVA



Coriolis flowmeter



EMF



Vortex flowmeter



Flow computers



Guided wave radar



Laser level



Magnetostrictive level



Ultrasonic level



Swirl flowmeters



Thermal mass flowmeter



Variable area flowmeter



Differential pressure



A solution for every measurement challenge

Analytical measurement



Natural gas chromatograph



Process gas chromatographs



Sample handling



STAR data management system



Continuous gas analyzers



Combustion gas analyzers



Recorders & controllers



Laser process analyzers



Continuous water analyzer



Ph/conductivity analyzer



Process spectrometer



FT-IR laboratory spectrometer



CEMS

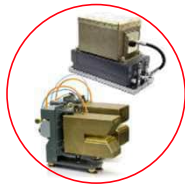


A solution for every measurement challenge

Force measurement



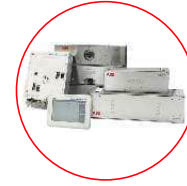
Flatness measurement



Thickness gauging



Roll force measurement



Strip tension measurement



Strip width & position measurement



Weighing



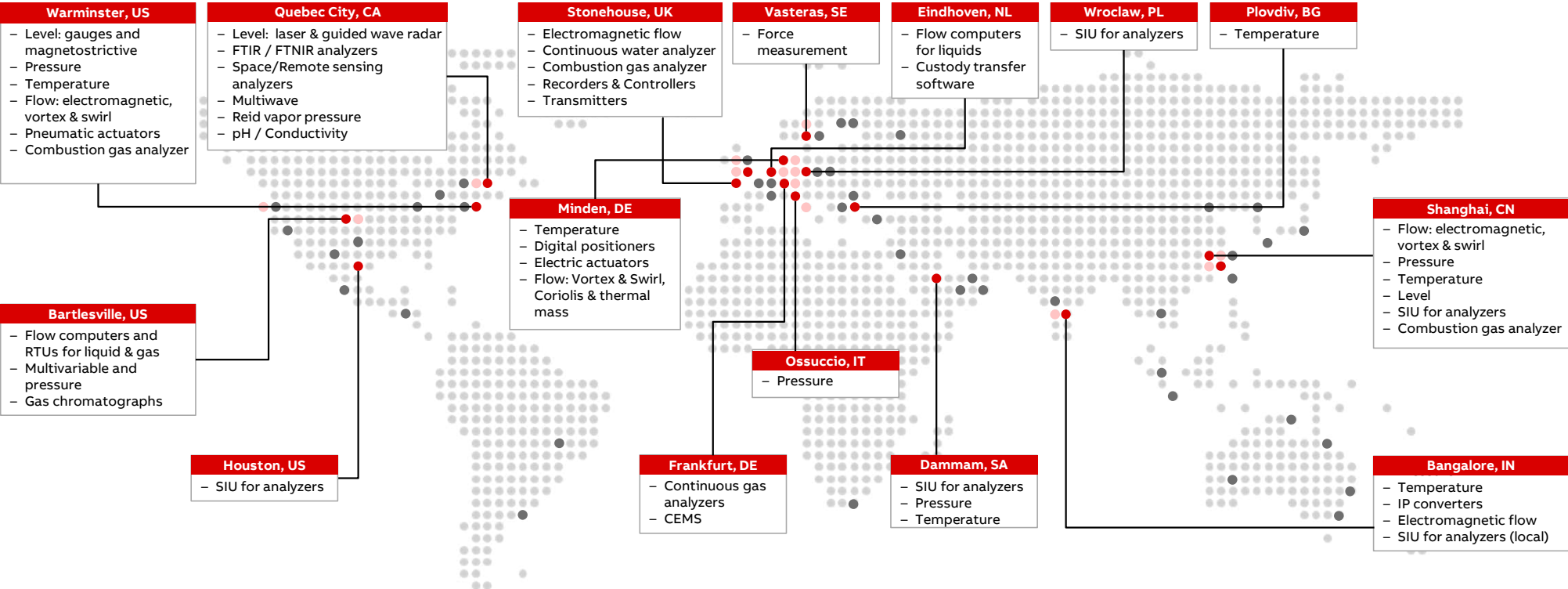
Web tension measurement



Cylmate pressure transducers



Global reach ensures ongoing service and support



● Factories with repair centers
● Local service support centers

Your dependable service partner

With you where and when you need us

Over _____
600 Service employees 

Services in more than _____
50 countries 

Over _____
20m Instruments and Analyzers delivered 

Providing services for over _____
100 years 



• **Factories with repair centers (17)** • Local service support centers (34)

Measurement & Analytics Service

Services to support your products during every lifecycle stage



Service agreements

Measurement care



ABB offers customized solutions to meet your service needs, improve production efficiency and reduce capital outlays



ABB can provide all the lifecycle services to keep your processes moving, all bundled in a single service agreement.



Together, we can utilize this modular framework to select a service package that meets your needs

Cut complexity – Services performed safely and efficiently with one point of contact from the start through the duration of the contract

Control costs – Structured approach with fixed annual pricing, so users have a consistent experience every time

Maximize capital – Issues found early enough to take action, and improvements made that avoid problems and sustain gains

Overview

Benefits

We are much more than great products

A differentiated offering with smart solutions

DEVICE MANAGEMENT

ABB Ability™ Smart Device Manager

DEVICE HEALTH ACCURACY

ABB Ability™ SmartMaster

ABB Ability™ Verification for measurement devices

SELF-SERVICE SUPPORT

My Measurement Assistant

REMOTE SUPPORT OPTIONS

ABB Ability™ Visual Remote Support

Dynamic QR Code for analyzers

PREDICTIVE MAINTENANCE

ABB Ability™ Condition Monitoring for measurement devices

DATA ACQUISITION SYSTEM

CEM-DAS

ABB ABILITY™ GENIX DATALYZER



WORLD-CLASS AFTER SALES SUPPORT

Commissioning

Maintenance

Troubleshooting

Advanced services

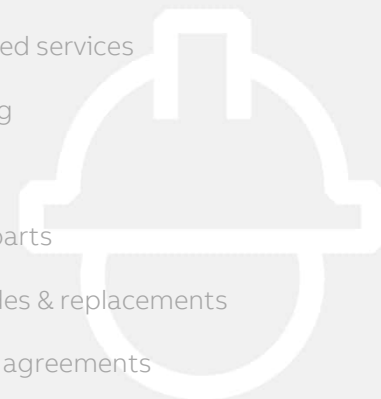
Training

Repair

Spare parts

Upgrades & replacements

Service agreements



Digital technologies accelerate service delivery & value

TRADITIONAL SERVICE



Ensures availability



Avoid unplanned downtime



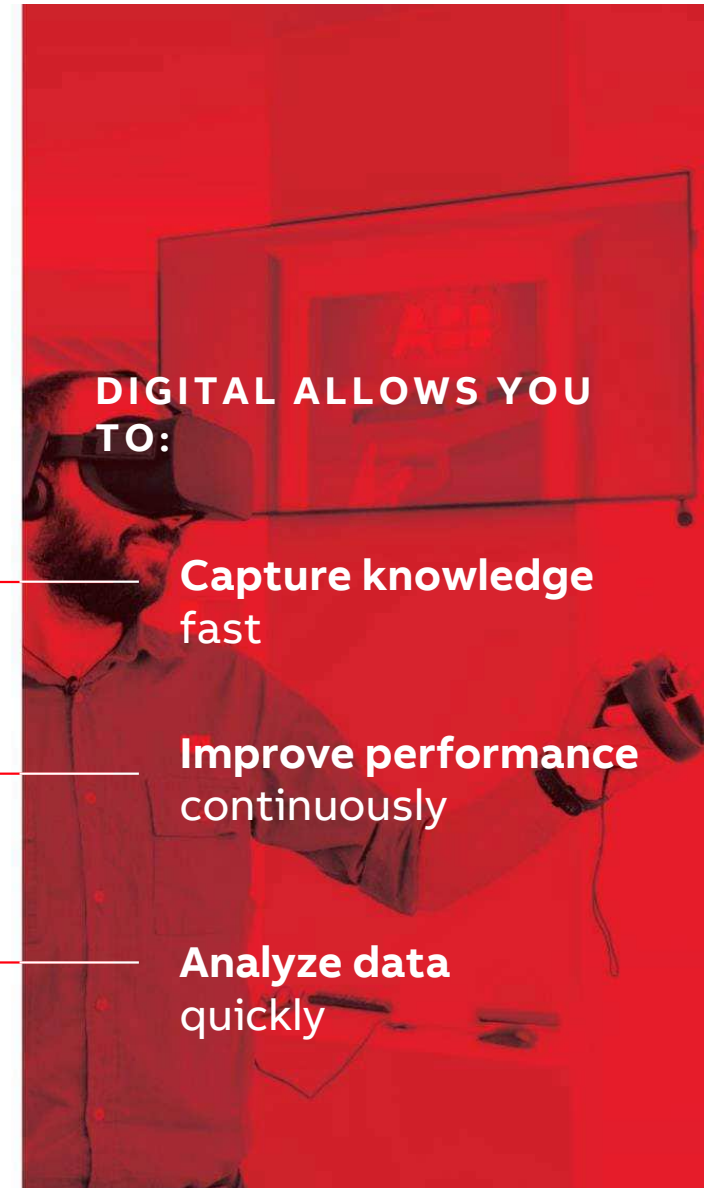
Control costs

ADVANCED DIGITAL SERVICE

Increase availability

Reduce unplanned downtime

Cut costs



DIGITAL ALLOWS YOU TO:

Capture knowledge fast

Improve performance continuously

Analyze data quickly

At the heart of what we do...



PEOPLE



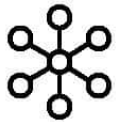
CUSTOMERS & PARTNERS



INNOVATION & DIGITALIZATION



Solutions can be targeted to specific customer needs



Connectivity



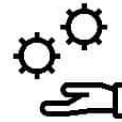
“I run many sites and need quick access to a range of productivity data 24/7”



Skills



“My team keep retiring, I need simple solutions to ensure new starters can maintain and operate the plant effectively”



Productivity



“I need ways to increase output using my limited engineering resources and budget”



Regulatory



“I need the highest accuracy and availability all of the time from my environmental emission monitoring equipment”



Why partner with ABB?



A comprehensive portfolio



Solutions across
measurement, automation and analytics



Integrated, end-to-end solutions



Quality customer care and services

ABB