17 reasons, why intelligent level measurement can optimise your business

It's so easy to benefit from cloud-based level measurement with the IIoT-Radarsensor Micropilot FWR30.

Endress+Hauser

Supply chain challenges

Challenges where the Micropilot FWR30 will help:

Supply chain challenges
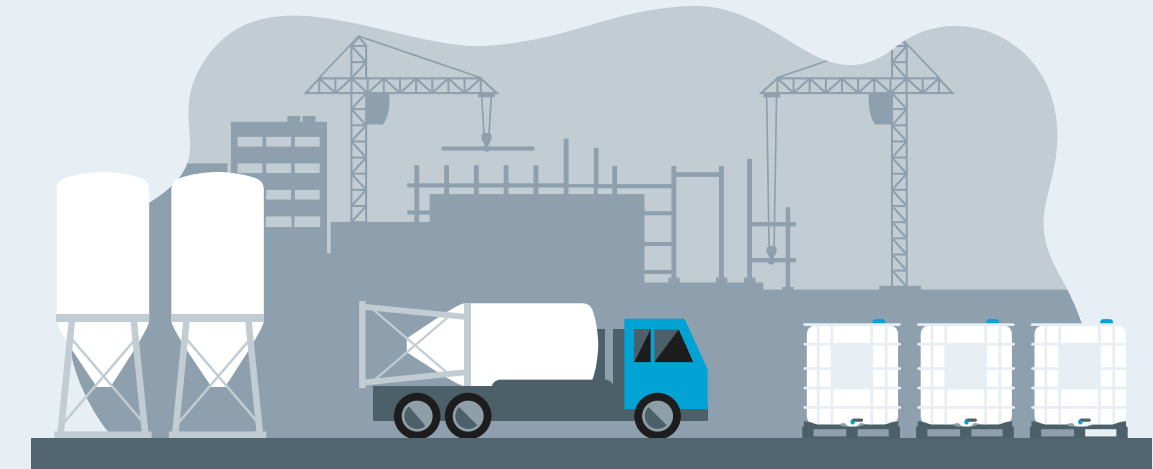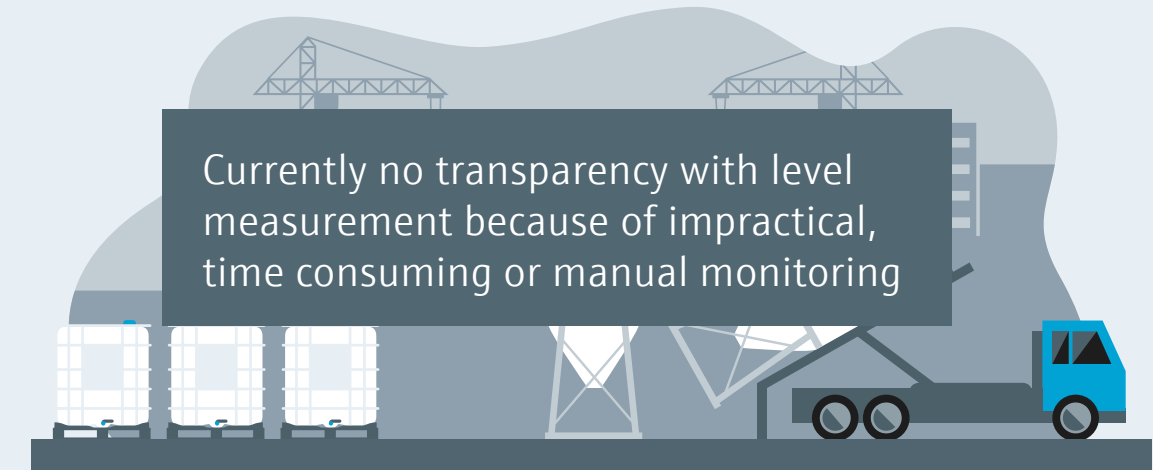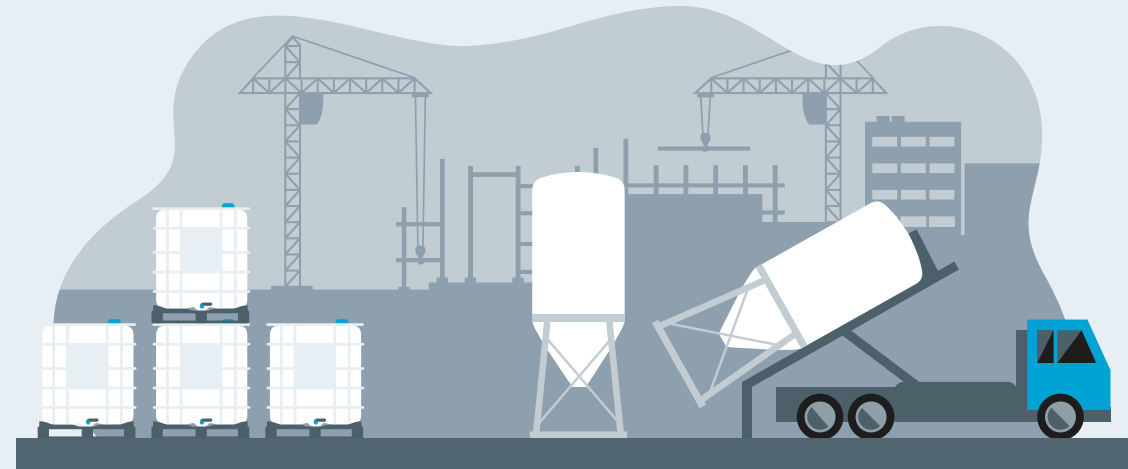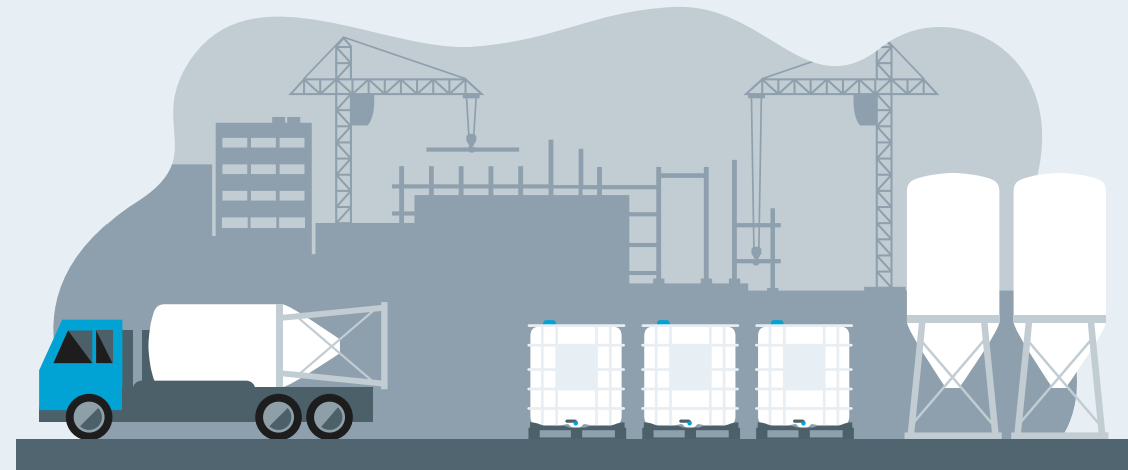
Challenges where the Micropilot FWR30 will help:

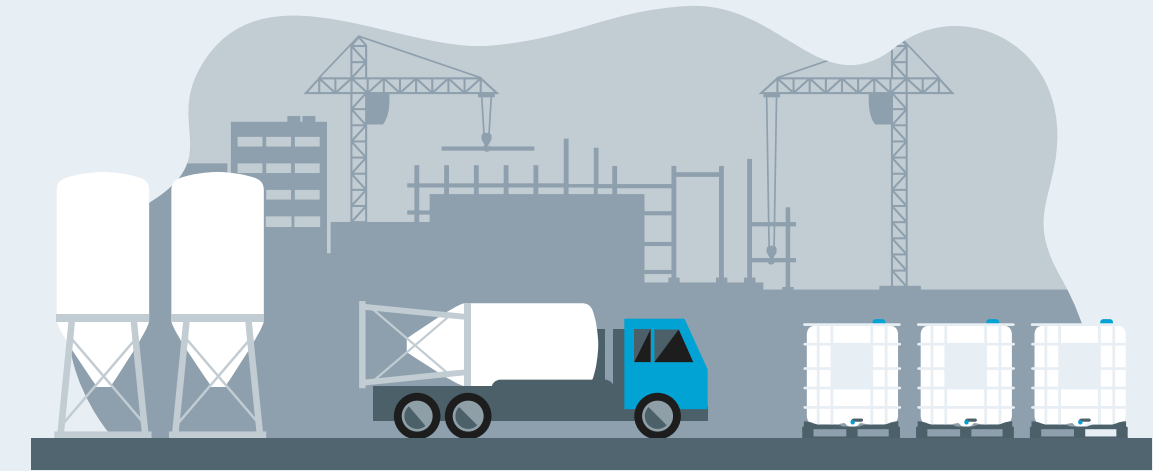Inefficient or too complex supply chain processes

Supply chain challenges

Challenges where the Micropilot FWR30 will help:

Level measurement in far-flung places or mobile metal/plastic tanks (e.g. IBC)

Supply chain challenges

Challenges where the Micropilot FWR30 will help:

Currently no transparency with level measurement because of impractical, time consuming or manual monitoring
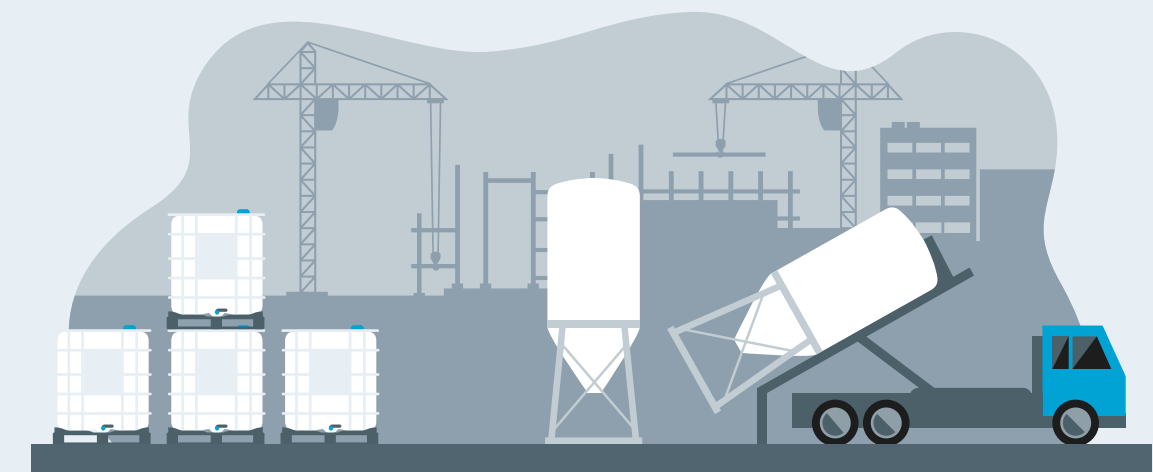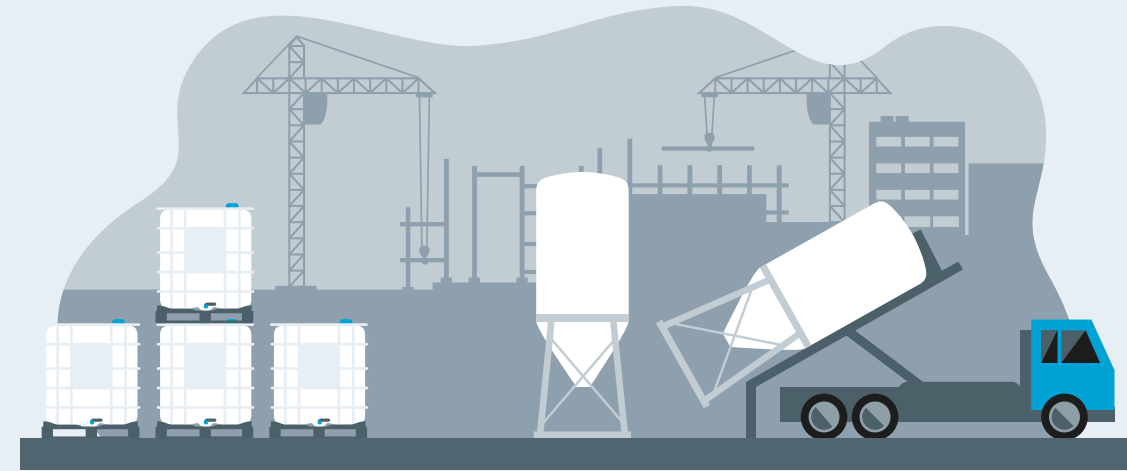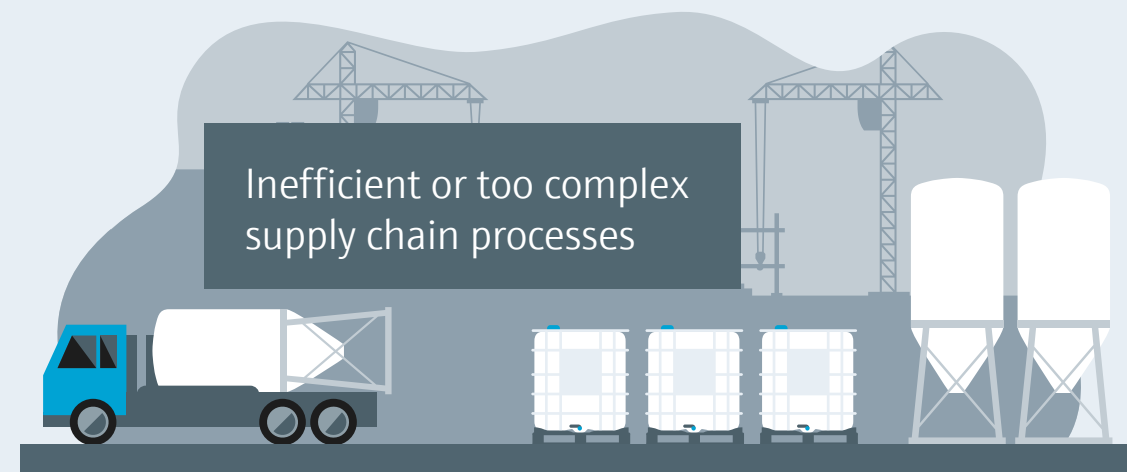
Supply chain challenges

Challenges where the Micropilot FWR30 will help:

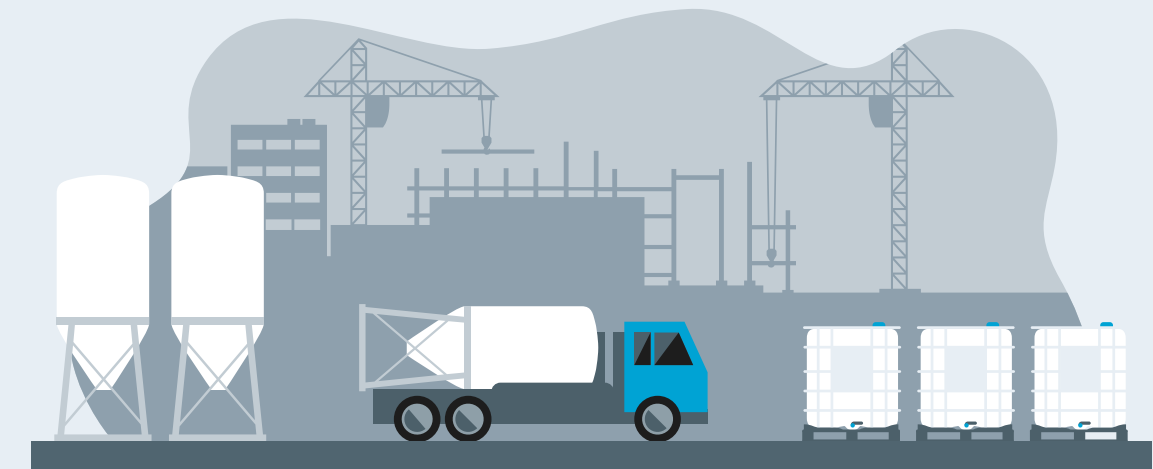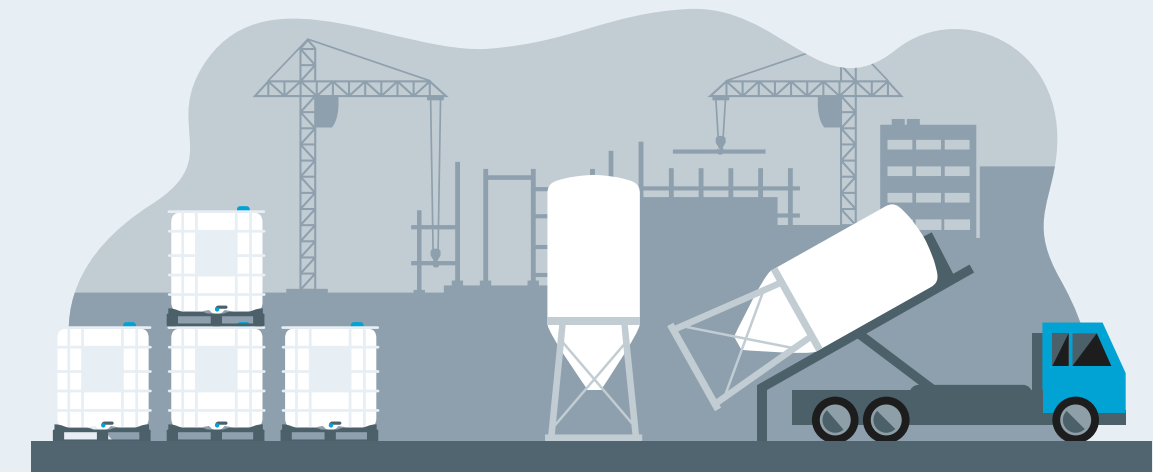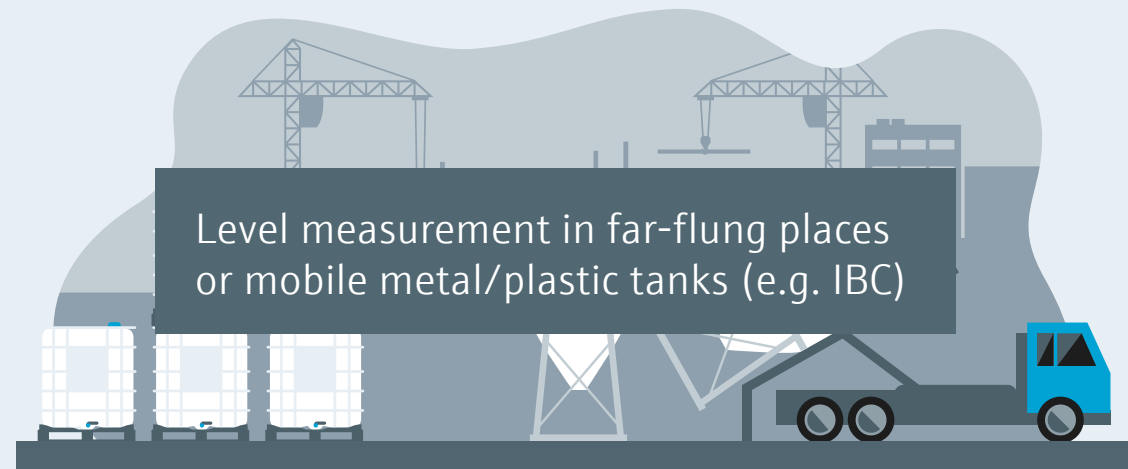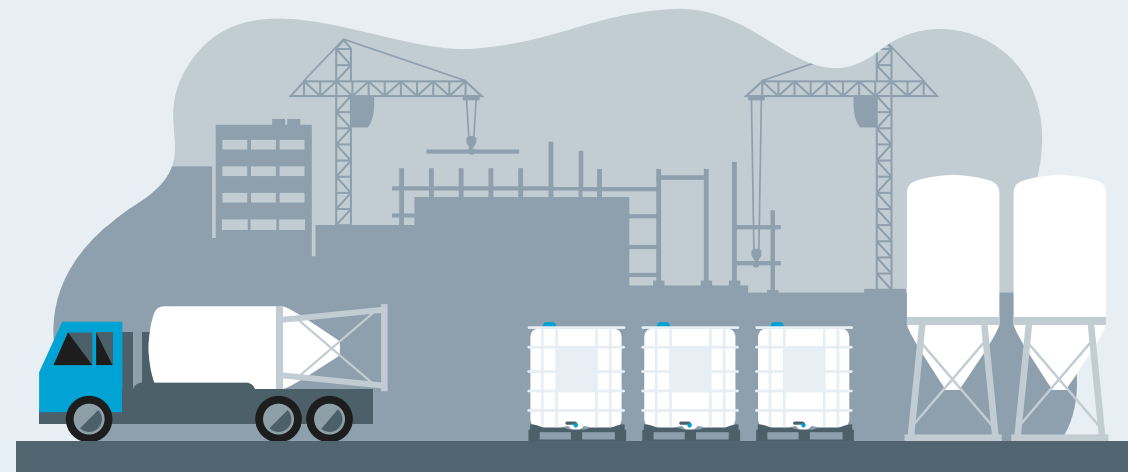Processes that require the highest planning certainty

9 supply chain problems easily solved

It's so easy to optimise your value chain with the Micropilot FWR30 level measurement sensor

1. Only as much buffer as needed

Buffer stocks can absorb market swings and give process security. If, for instance, something is out of stock, your production will be held up which costs money. However, buffer stocks cost money too. The removal of unused buffer stocks is also an expensive additional factor.

With digital SupplyCare Hosting and Micropilot FWR30, you can always supply on demand to your customers. To be able to react accordingly, you can review field data, archives, forecasts, key performance indicators, automized order processes and information about events.

9 supply chain problems easily solved

It's so easy to optimise your value chain with the Micropilot FWR30 level measurement sensor

2. No costly extra trips

Every kind of transport costs time, money and worsens your ecological footprint. Three good reasons to optimise your logistic chain for road and rail as much as possible. Exact data about your inventory, or that of your customers, are here the best opportunity.

Especially when you have 24/7 global access, so that you don't have to visit every vessel separately. In addition, you can use forecasts, dashboards and alarms to achieve full transparency of your vessels.
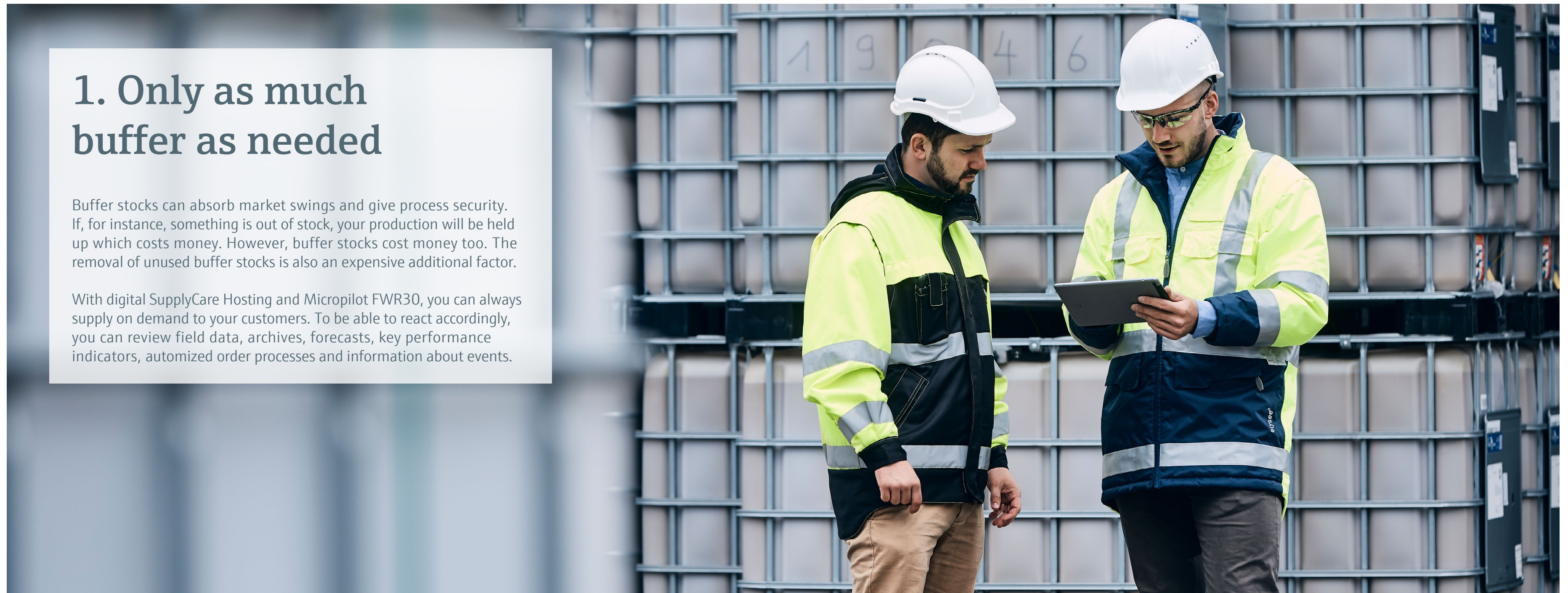
9 supply chain problems easily solved

It's so easy to optimise your value chain with the Micropilot FWR30 level measurement sensor

3. Avoid inefficient routes

You supply chemicals to factories, milk to retailers or raw materials to building sites? Then make your daily tours more plannable using our cloud solution and the Micropilot FWR30. During transport, in a matter of seconds, container and plastic vessels such as IBC can be located so level measurements and plant conditions can be checked remotely. From your desk you can track where your goods are travelling and if the logistics can be optimized.

9 supply chain problems easily solved

It's so easy to optimise your value chain with the Micropilot FWR30 level measurement sensor

4. Offer your customers the best service

Cross-company cooperation with the highest level of data integration: Improve your logistical efficiency and much more with digital data tracking and remote control of tanks, containers and silos. You can also offer your customers more efficient supply on demand. Just share your data to optimise delivery plans. Full transparency and forward-thinking management of your logistics and data are protected by very safe and certified measures.

9 supply chain problems easily solved

It's so easy to optimise your value chain with the Micropilot FWR30 level measurement sensor

5. Considerably reduced customer waiting times

Here an example from the water and wastewater industry: From time to time, wastewater vessels in mobile sanitary installations need to be emptied, cleaned and transported to the next site. An overflow is just as awkward as downtime experienced to empty the vessel whilst it is running. With the intelligent Micropilot FWR30 level measurement sensor, you always know which tanks need emptying. That saves on trouble, trips to empty, waiting time and customer complaints.

9 supply chain problems easily solved

It's so easy to optimise your value chain with the Micropilot FWR30 level measurement sensor

6. Quickly record losses and theft

Product and even entire mobile vessels can go missing during transport or at your plant. With cloud-based control using the Micropilot FWR30 you receive alarms and warning messages when parameters are undercut or exceeded. Thefts or other losses from plant and equipment are recorded and immediately shared with you.

9 supply chain problems easily solved

It's so easy to optimise your value chain with the Micropilot FWR30 level measurement sensor

7. No compromises in quality and hygiene

In highly sensitive areas like food production and processing, you need 100% control all the time. More efficient processes thanks to Micropilot FWR30 help you safely run cool chains as well as operating installed equipment. Spot checks on stocks, for instance, washing liquid using digital data transfer save time, make your processes more precise and improve food safety and quality: giving stable and long-term consistency.
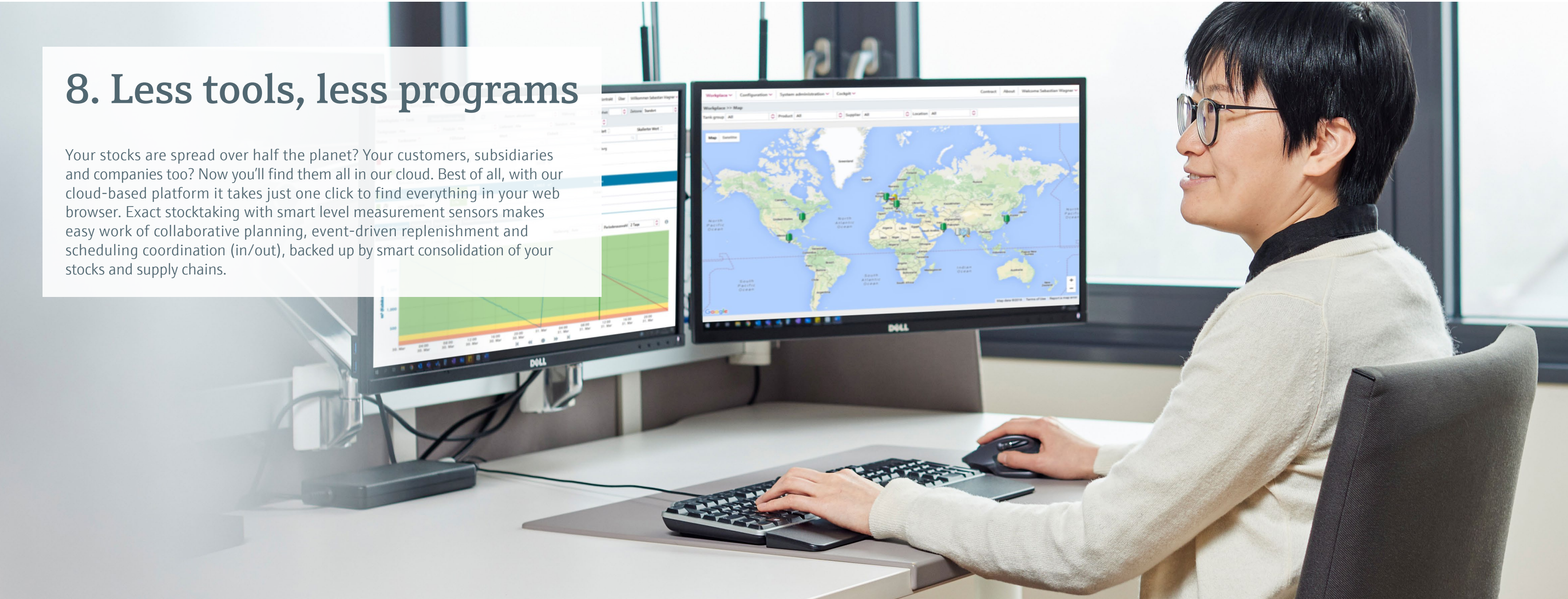
9 supply chain problems easily solved

It's so easy to optimise your value chain with the Micropilot FWR30 level measurement sensor

8. Less tools, less programs

Your stocks are spread over half the planet? Your customers, subsidiaries and companies too? Now you'll find them all in our cloud. Best of all, with our cloud-based platform it takes just one click to find everything in your web browser. Exact stocktaking with smart level measurement sensors makes easy work of collaborative planning, event-driven replenishment and scheduling coordination (in/out), backed up by smart consolidation of your stocks and supply chains.

9 supply chain problems easily solved

It's so easy to optimise your value chain with the Micropilot FWR30 level measurement sensor

9. Savings in digital infrastructure

Digital level measurement does away with the installation of many metres of cable and long journeys to check the levels manually. With the Micropilot FWR30 and its digital services you have a comprehensive overview in a simple to install solution. For the installation, for example, you don't need any experts, you simply press a button. You can easily track your stocks digitally, from procurement to production, transparent from warehouse to transport. All this remotely, combined with flexible digital services and access anywhere and anytime.

Strengths of the Micropilot FWR30 that help every industry

Total freedom, plug and play

Easy commissioning

With its long-life battery the wireless Micropilot FWR30 is perfect for locations without power supply, for instance mobile or remote measurement locations. It only takes three minutes to install when you push the start button.

Safety first

Your measurement levels are accessible around the clock and wherever you are. With Netilion-Cloudservice it meets the highest level of European as well as German standards for safety and data protection regulations. Alarms and messages inform you when any action is required.

All services in one place

Together with Netilion, the Micropilot FWR30 is the first cloud-based solution for industrial plants. You'll find all measurement points in a dashboard, easy to read, precisely monitored and localised. From simple monitoring to extensive supply-chain services, you always have exactly the services you need.

8 things you can save in the future

Simple to operate and competitively priced technology results in substantial IT infrastructure savings.

Time
Continuous access to all measurement points with one solution.

Investment costs
Simple to operate, competitively priced, substantial savings in your IT infrastructure.

Intervention
Real-time information flow improves production capacities and reduces workload.

Limits
Use just what you need and build your measurement technology to fit your special needs.

Access
All online data are always and everywhere at hand.

Risks
Employees spend less time at the plant and remotely you can comfortably access your data.

Knowledge gaps
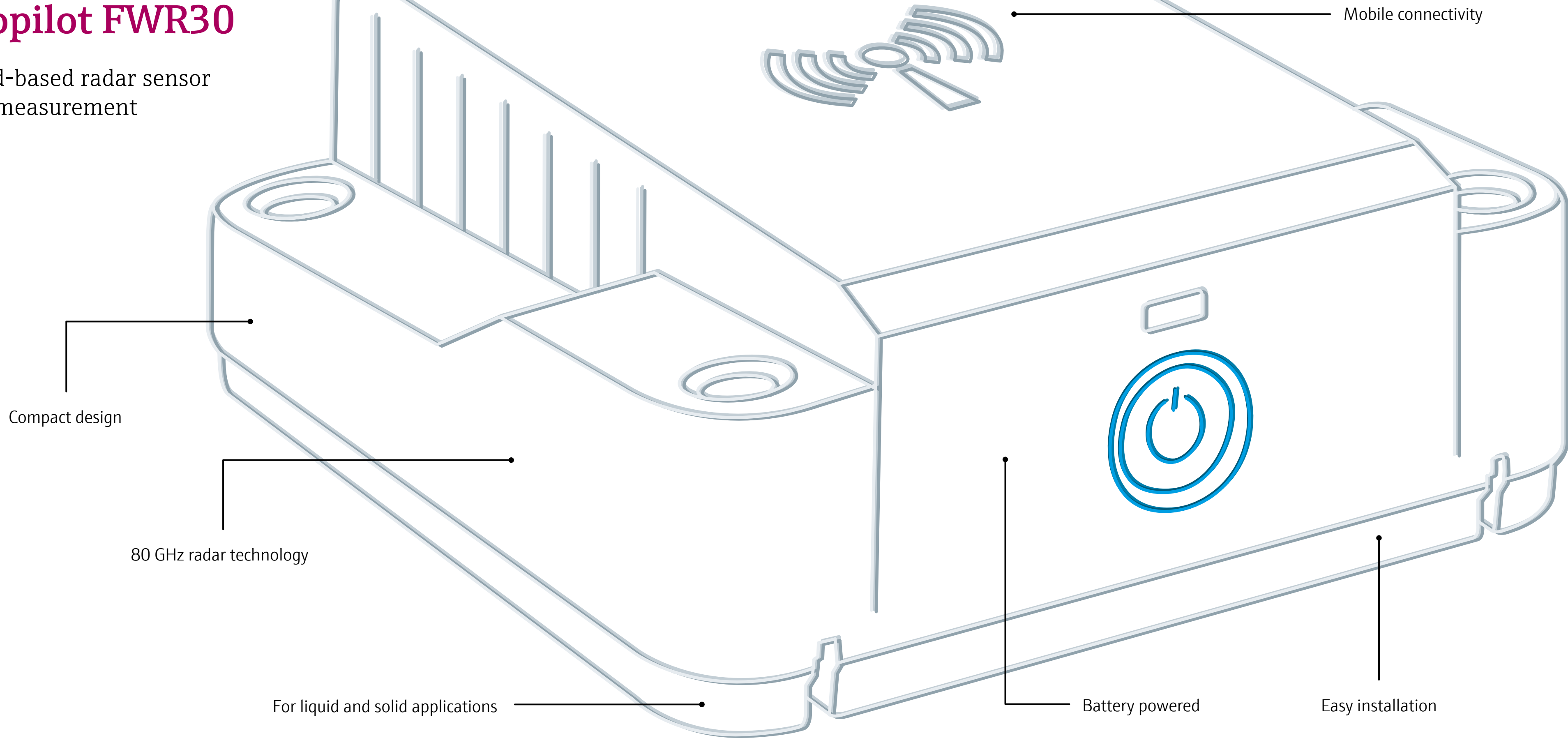Studies and historical data improve your process understanding and help when optimising.

Data loss
Your data underlie the highest safety standards and are protected from data theft .

Micropilot FWR30

The cloud-based radar sensor
for level measurement

Mobile connectivity

Compact design

80 GHz radar technology

For liquid and solid applications

Battery powered

Easy installation

In suitable for NPS 4" Class 150 / DN100 PN16 / 10K 100A G 1 1/2