



TECHNOTON

ADVANCED MACHINERY TELEMATICS

Technoton introduction

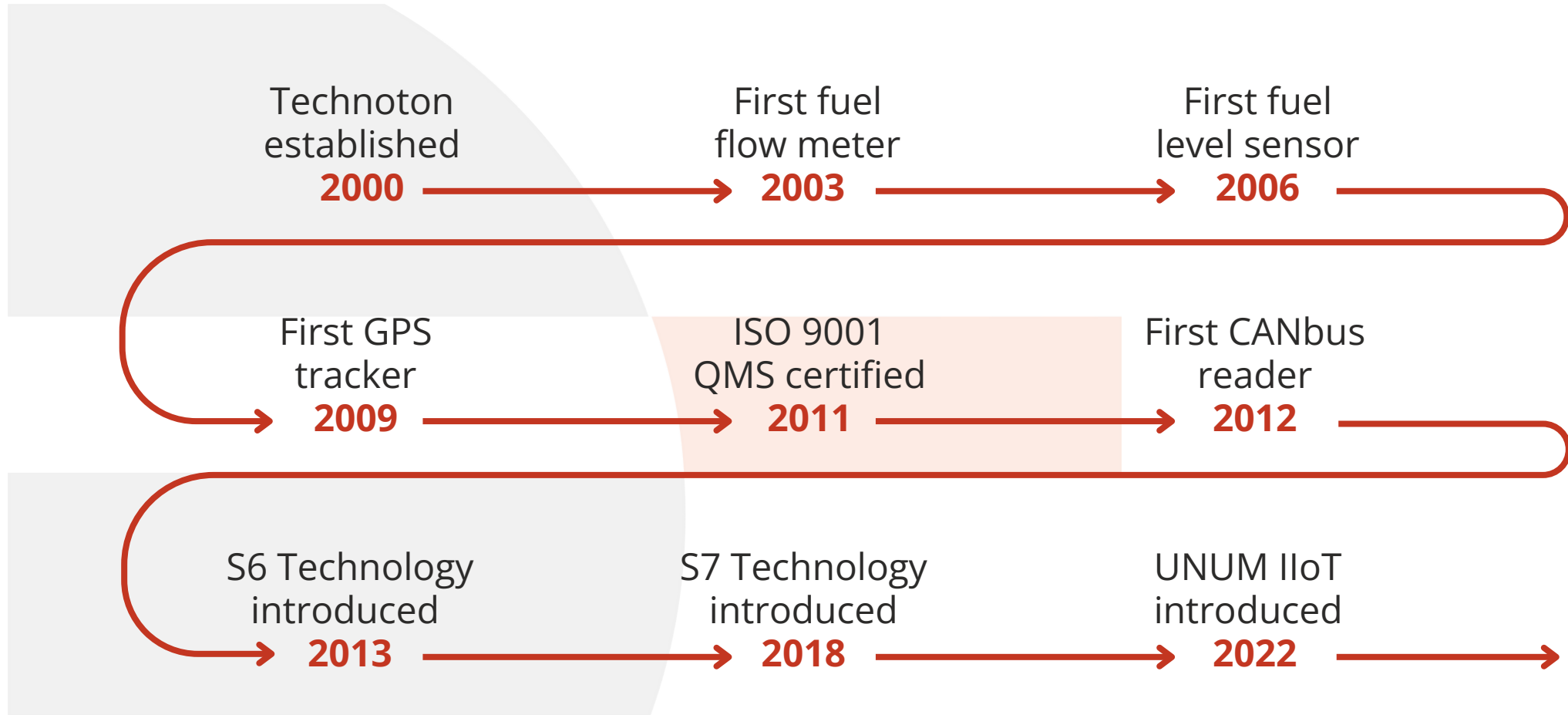
www.jv-technoton.com

Mission and vision

We develop advanced telematics technology that delivers precise data insights to help fleets cut costs, enhance safety, and reduce environmental impact.

AI-ready data infrastructure layer for IIoT that enables creating advanced analytics and asset-management applications at scale.

History



Inefficiencies we tackle

Fuel-Related Losses

- Fuel drainage and theft, fuel consumption misreporting and fraud.
- Unclear fuel accounting and not optimal refuelling schedule.
- Excessive usage caused by inefficient equipment operation.

Equipment Misuse & Downtime

- Excessive idling and overload, increased wear out.
- Breakdowns due to reactive maintenance.
- Downtimes due to lack of remote diagnostics

Remote Management & Mixed Fleets

- Limited real-time visibility of machinery performance and health.
- Complexity of managing multiple equipment brands in a single fleet

Telematics ecosystem

Smart sensors



CAN tools & data gateways



Industry applications



Road trucks

Gensets & energy

Oil & gas

Mining

Construction

Maritime

Technologies



Platform



Solutions



Fuel tank monitoring



Fuel consumption monitoring



Engine performance monitoring



CO₂ emissions monitoring



Predictive maintenance



Axle load monitoring



Remote control of equipment

Products



DFM
Fuel flow meters

Direct fuel consumption measurement



DUT-E
Fuel level sensors

Accurate fuel level and refueling control



GNOM
Axle load sensors

Axle load and cargo weight monitoring



CAN UP
Telematics gateways

Telematics data gateway



MASTERCAN
CAN tools

CAN bus data parsing and signal conversion



ROCODILE
Contactless reader

Contactless CAN bus data reading

Technologies



S6 — technology of combining smart sensors and other IoT devices within one wired network for complex stationary and mobile objects monitoring. [More](#)



S7 — wireless technology of obtaining data from sensors of telematics system. Based on BLE (Bluetooth low energy). [More](#)



IoT Burger — Technology of creating smart sensors and complex telematics IIoT devices operating in real time with built-in analytic features. [More](#)

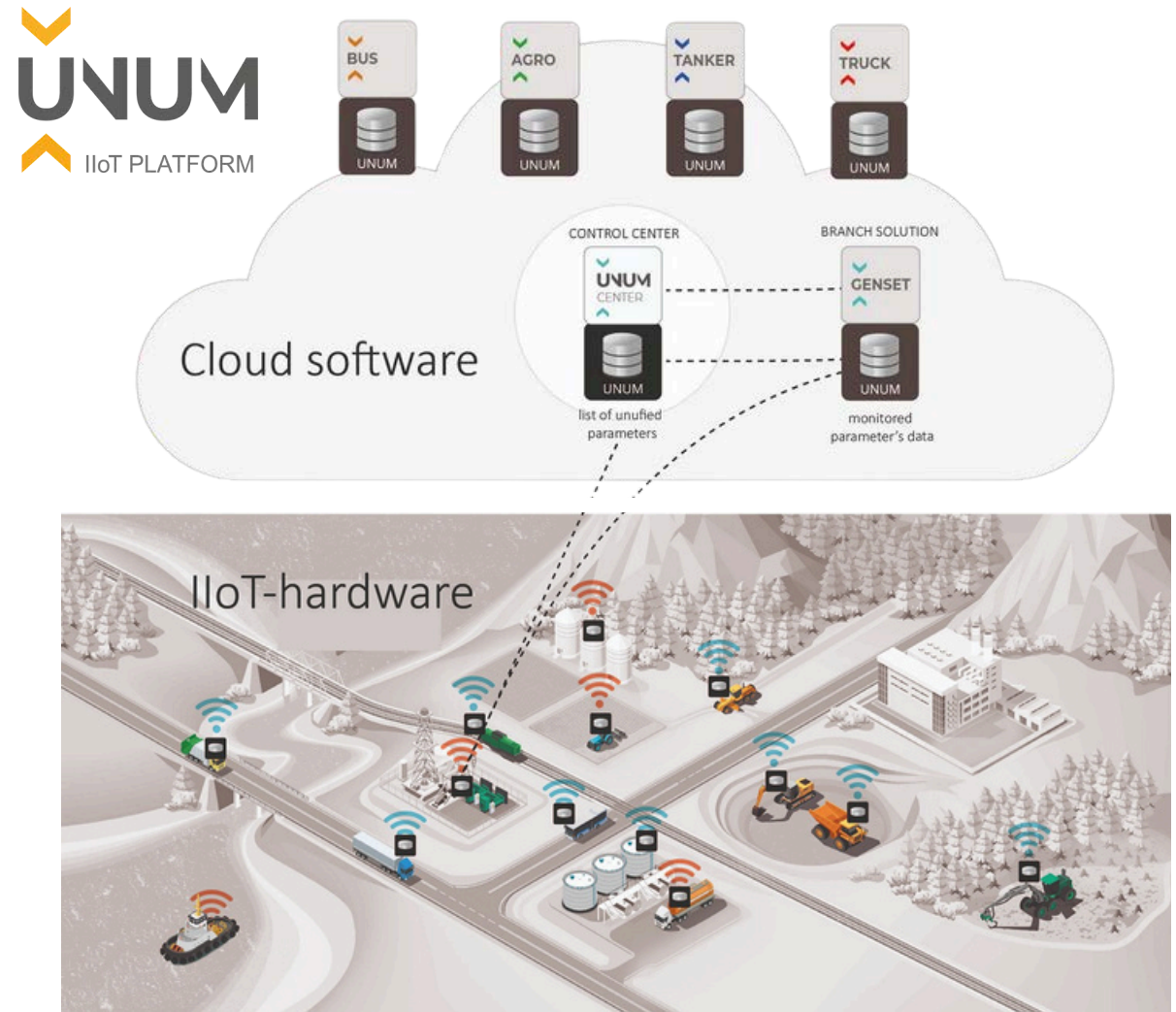
Technoton today

Platform

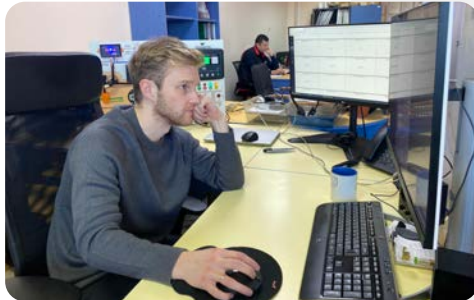
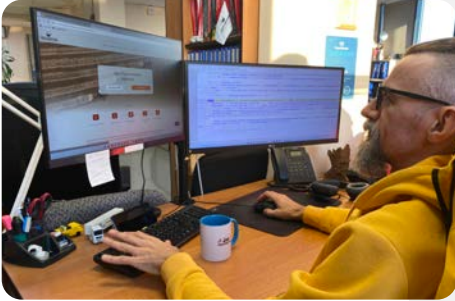
UNUM IIoT — technology stack for creating next-gen telematics and IIoT solutions.

Core principle — standardized parameter representation.

- Delivers structured AI/ML-ready data
- Sub-0.1-second event detection
- High data volume with low network load



R&D



- Embedded software development.
- Full cycle of new product development.
- Technical design.
- Prototyping and preliminary tests.
- Metrological supervision.
- Supervision of production.

20 specialists (technical designers, engineers, programmers, Android-developers, metrologists).

Manufacturing



60 000 – 90 000 device per year. Manufacturing is certified according to ISO 9001 within German DakkS system.

1. Production of fuel sensors

- Precise tooling of measuring chambers.
- Assembly and calibration of fuel level sensors.
- Metrological and climatic tests.



2. Production of CAN tools and contactless readers

3. Pilot production



Technoton today



Sales & distribution



Technoton equipment is installed on **700,000** vehicles and stationary objects.

- Integration partners worldwide.
- Webinars and in-person workshops around the globe.
- Participation in major international exhibitions and industry events.



12 official dealers and distributors.
Over **900** integration partners in **150** countries.

Technical support



- Partner and customer technical support
- Technical training – at Technoton’s premises and in the field.
- Installation supervision.
- Detailed product manuals.
- Training videos on YouTube.

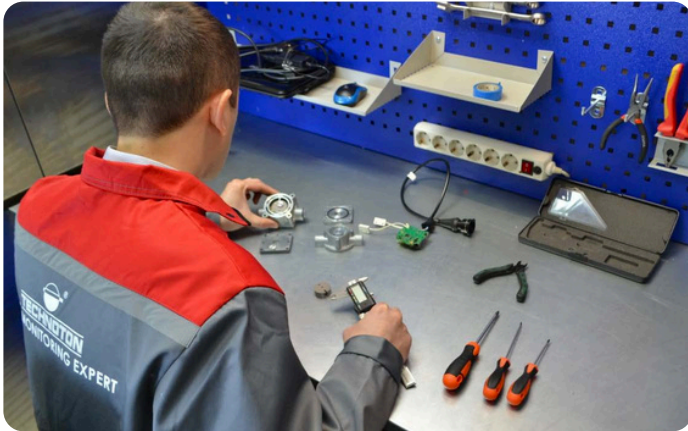


Over **800** trained installation specialists.

Technoton today



Service



Warranty and post-warranty service.

15 regional service centers (Europe, Asia, Africa).



Why Technoton?

Proven Expertise & Innovation

- 25 years in telematics and industrial IoT
- Pioneers in fuel monitoring technologies

High-Quality Manufacturing

- ISO 9001-certified production
- 60,000+ devices produced annually

Comprehensive Ecosystem

- Smart sensors, CAN tools, data gateways,
- Next-gen IIoT platform streamlining Big Data analysis


Dedicated Support & Training

- 800+ trained installation specialists
- Technical support, training, and service centers worldwide

Customer success stories

60%
costs reduction


Tanker trucks



Fuel monitoring case for tanker trucks, ensuring tracking, cutting costs, and improving fleet management.

15%
costs reduction by
predictive maintenance


Diesel water pumps



Predictive maintenance case for fuel systems at pumping stations, boosting reliability and minimizing downtime.

-58%
fuel consumption

Port



Fuel consumption control case for port operations, preventing theft, optimizing usage, and saving up to 60% fuel in 2 weeks.

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Learn more



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