



# Distribution intelligence

See what's happening out there  
before your customers tell you.



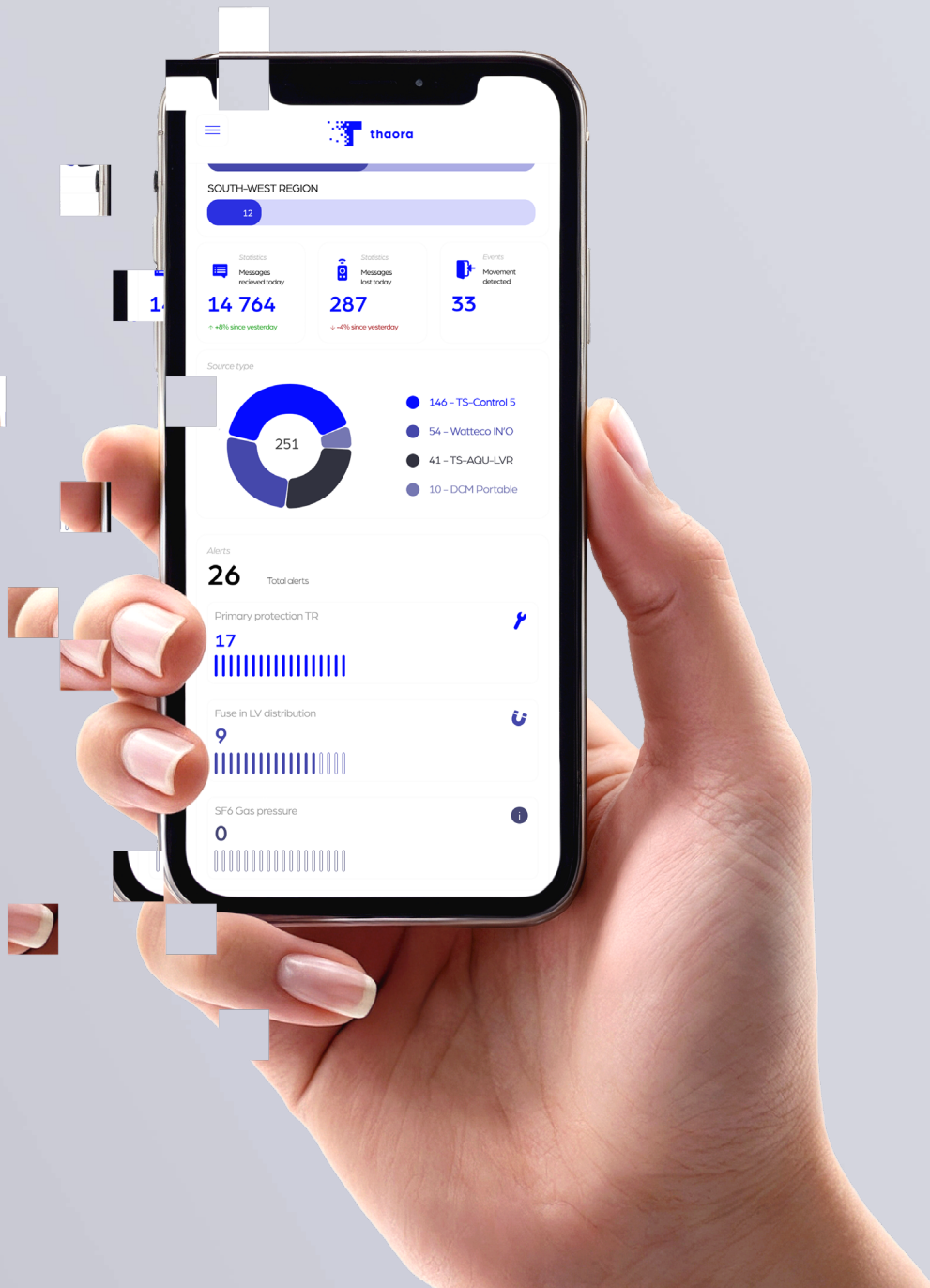
# When the grid can see itself, it can protect itself.

Distribution System Operators are under constant pressure. Rising operating costs, outage penalties, and the growing complexity of distributed energy sources

And yet, most medium- and low-voltage substations still operate in the dark.

Extending full monitoring across the network is either too costly or too complex, which means outages are often discovered only when customers call to report them.





# FULL NETWORK AWARENESS

**without** full system replacement.

Thaora Distribution Intelligence brings real-time awareness to LV networks and secondary substations without forcing full system replacements.

Through modular deployment of field sensors, signal units, and measurement instruments, it continuously captures electrical and environmental conditions, not once a month, but in near real time.

AI-powered analytics turn that data into foresight: detecting issues early, reducing emergency callouts, improving crew allocation, and extending equipment lifespan. It's vendor-neutral, easy to deploy, and slots cleanly into existing infrastructure.



# STABILITY

you can measure.  
**And prove.**

The results show up  
**quickly:** fewer outages,  
fewer site visits, longer  
asset life, and lower OPEX.

By improving SAIDI/SAIFI indicators and enabling targeted investments, Thaora accelerates return on every step of modernization. It doesn't just upgrade visibility: it future-proofs the entire grid layer by layer.





# THAORA DISTRIBUTION INTELLIGENCE



Key Benefits of Thaora Distribution Intelligence

# Cost-effective grid digitalization.

Thaora Distribution Intelligence allows DSOs to extend **real-time visibility** across LV networks and secondary substations — without the heavy expense of traditional SCADA or ADMS rollouts.

By leveraging data from existing field sensors, signal units, and measurement instruments, the platform delivers AI/ML-driven insight in near real time, reducing both implementation effort and time to value.

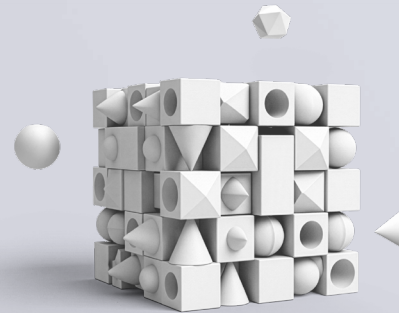
The result: lower OPEX, higher reliability, and improved operational efficiency. Vendor-neutral and easy to deploy, it integrates cleanly with existing systems, allowing utilities to modernize monitoring and maintenance strategies while accelerating ROI.



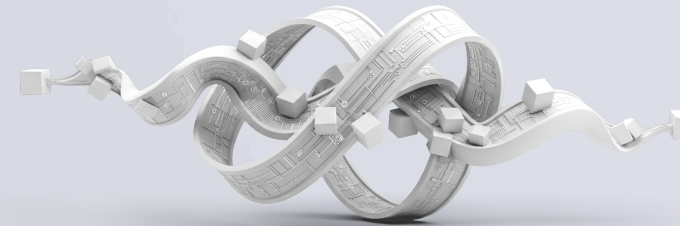
# Vendor- and network-agnostic by design.

Thaora doesn't lock operators in. **It adapts.**

The platform integrates with a wide range of measurement devices, communication protocols, and analytics components, ensuring long-term flexibility and technology freedom.



Pre-integrated with **multiple sensor types**, it can be extended to support new devices as the network evolves.



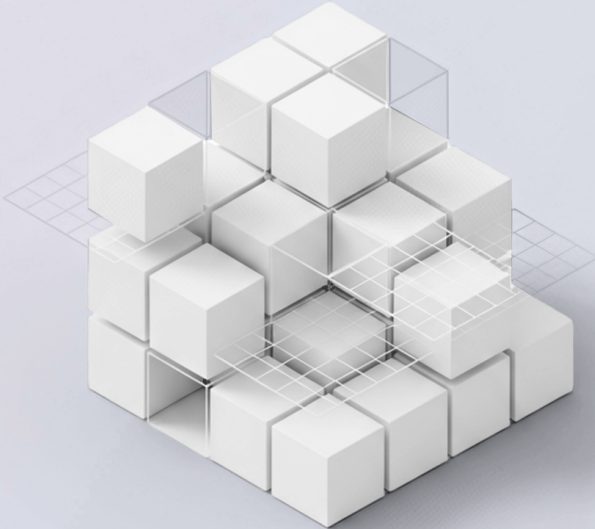
Fully network-agnostic, Thaora supports communication over LoRa, NB-IoT, Sigfox, LTE-M, and other standard communication technologies, enabling **seamless data exchange across diverse environments**.



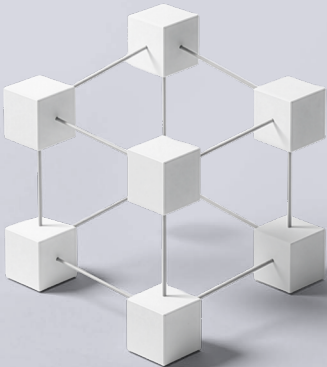
**Utilities can combine legacy assets with new technology**, reduce vendor dependence, and future-proof their digital infrastructure with minimal integration effort.



# Network management and early fault detection.



Thaora Distribution Intelligence reduces downtime and operating costs by enabling **continuous visibility and smart fault response.**



Operators gain live network views, alarms, and trend analytics through intuitive dashboards shifting from reactive troubleshooting to proactive decision-making that increases reliability and extends asset lifespan.

Electrical and environmental data are collected and correlated across LV networks and secondary substations to provide a complete picture of MV/LV network health.

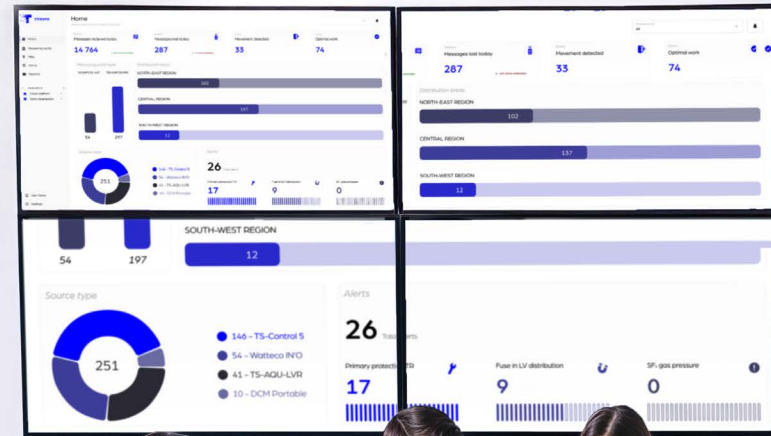
AI/ML analytics identify faults early and locate them precisely, enabling faster intervention and fewer emergency callouts.

# User-friendly by default.

**Designed for clarity and speed,** the platform provides intuitive web and mobile dashboards that deliver instant insight into key metrics and events.

Teams can monitor performance, manage alarms, and access detailed reports and analytics from one place.

With a user-centric interface, onboarding and training time is significantly reduced, resulting in smoother operations, higher productivity, and faster adoption across all roles.

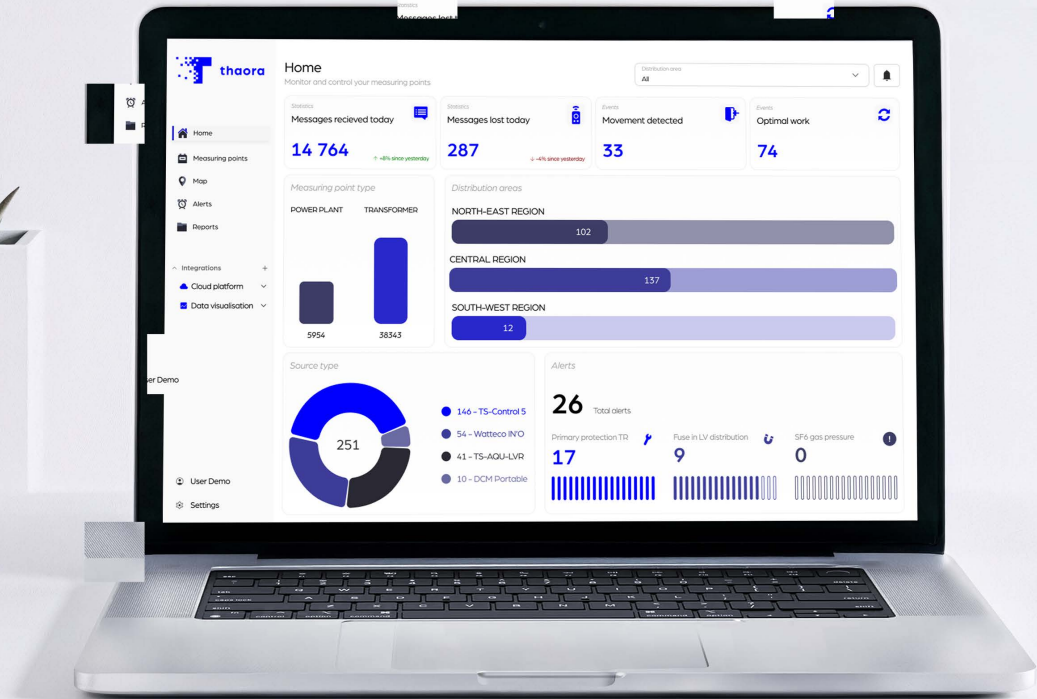




Key Benefits of Thaora Distribution Intelligence

Flexible deployment  
without  
disruption.

Thaora Distribution Intelligence is a cloud-native platform that supports deployment on-premises or across **AWS, Google Cloud, and Microsoft Azure.**





This hybrid model ensures scalability, cybersecurity compliance, and alignment with operator IT strategies, while **preserving full data sovereignty.**

Utilities can modernize operations without disruptive system replacements, scaling at their own pace while improving resilience, regulatory compliance, reporting capability, and return on investment.





Full visibility. Zero surprises.

# RELIABILITY BY DESIGN.

See ahead. Reach out.

[thaora.com](https://thaora.com)

