

Small accuracy errors, massive costs

Imagine losing millions of euros every year, simply because of a small deviation of 2 to 5% in accuracy. In a network of thousands of EV charging points, these small errors can quickly add up to huge financial losses. But the consequences go far beyond just money: inaccurate measurements can cause operational problems, increase compliance risks and undermine trust across your entire value chain. Make the shift from reactive repairs to proactive management. Identify anomalies at an early stage of the design phase through instrument tests, and then rely on continuous, automated and data-driven monitoring to ensure that errors are flagged before they affect performance, reliability or profitability. When you stay proactive, you keep your charging network running at its best.

Inaccuracy left undetected

Accuracy errors at charging points can go undetected for years because there are no mandatory inspections or recalibrations for measurement modules, unlike the strict monitoring of gas and water meters. Although this (current) absence of requirements may lower the sense of urgency to take action now, it also means that small inaccuracies can accumulate and develop into serious problems. These errors often manifest as hardware or communication issues, such as unusual kWh meter readings, inconsistent session data or unexplained billing, meaning the meter itself is rarely checked and the underlying cause goes unnoticed. As a result, organisations may face ongoing financial losses, inefficiency and unreliable reporting. With stricter regulations such as Eichrecht and the likelihood of wider implementation across Europe, greater accountability is expected. Proactively testing and validating measurement accuracy can therefore help not only to reduce major risks but also to prevent future compliance and operational challenges.

The critical role of measuring accuracy

When charging equipment cannot deliver precise readings of energy consumption, every stakeholder feels the impact, from users to operators to manufacturers. For manufacturers, even the slightest miscalculation can stall certifications and damage reputations, creating setbacks that are difficult to overcome in a fiercely competitive market. Charging point operators risk not only financial losses but also customer trust when bills do not match users' expectations. Service providers often find themselves chasing phantom errors, performing unnecessary maintenance triggered by faulty readings. Fleet managers depend on reliable data to control costs and plan operations. When the figures are inaccurate, this has a direct impact on their efficiency and smart decision-making. It can be concluded that accurate measuring is more than just a technical requirement. It forms the foundation of a fair, transparent, and future-ready electric charging world.

Trust every kWh your network delivers

Accuracy testing solutions bring clarity and confidence to EV charging by acting as an independent referee monitoring charging points and quickly identify any errors. Whether caused by temperature shifts, ageing components, or software issues, even the smallest inaccuracies are immediately flagged with clear, reliable data. This real-time insight does not just identify errors; it prevents unnecessary interventions and keeps operations efficient.

Operators gain a demonstrably reliable network, service providers reduce avoidable maintenance, and fleet managers can rely on billing that is accurate down to the last decimal.

Beyond monitoring, testing solutions provide independent verification of charging accuracy through detailed reports that support audits, quality control, and certification. This creates a reliable, objective reference point for manufacturers, operators, and fleet managers, with clear proof that the network bills accurately, performs consistently, and meets evolving regulatory standards.

The Tunkia TE1000 & TE1100 shield you from losses

inepro Metering is redefining how the world tests charging points by delivering a new generation of solutions and an ecosystem that is comprehensive, professional, and future-proof for charging point validation. Testing a charging station now takes just a few minutes thanks to on-site verification, traceable calibration and robust checks, all managed by a single compact device. The portable TE1000 and TE1100 set a new standard for top-tier accuracy. Whether you are a manufacturer, operator, or inspector, our solutions let you certify, maintain, and optimise any charging site with complete confidence.

For more information about the Tunkia TE1000 and TE1100, please visit: [Introducing the Tunkia TE1000 & TE1100 EV charger testing solutions.](#)

Note to editors

inepro Metering

With over 33 years of experience, **inepro** Metering has earned a reputation as a trusted specialist in electricity metering and OEM services. **inepro** Metering develops and manufactures reliable kWh meters and customised solutions for various industry applications.

At the heart of **inepro** Metering's mission is a commitment to delivering accurate, cost-effective and easy-to-integrate products. From navigating through regulatory requirements to ensuring seamless system integration, **inepro** Metering offers expertise, service and partnership, providing full support from the initial concept to the final implementation. By combining reliable technology with practical industry experience, **inepro** Metering assists customers in managing current requirements and staying future-ready.

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