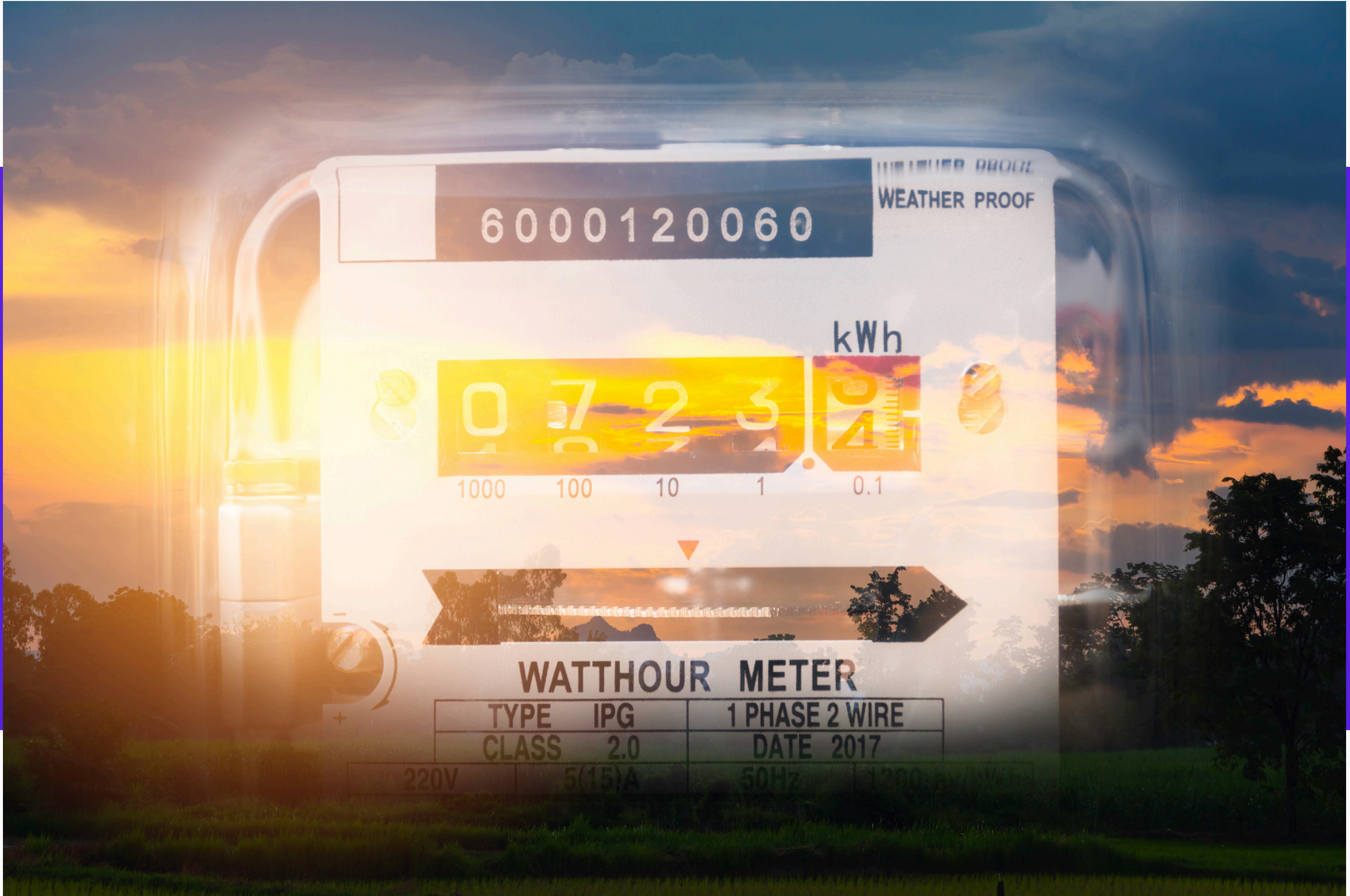




CASE STUDY
SMART METER
TEST RIG



Patronage

Electrono Solutions Pvt. Ltd. is a reputable company based in Bangalore, Karnataka, specializing in providing advanced solutions for electrical instrumentation and testing. They offer a range of products and services aimed at optimizing energy management and ensuring the accuracy of electrical measurement instruments.

Difficulties encountered

01

Accuracy Assurance:

Ensuring energy meter accuracy is vital for regulatory compliance and customer satisfaction. Electrono Solutions faced challenges calibrating single-phase and three-phase meters to meet strict standards.

02

Complex Setup:

Setting up a test bench for calibration required integrating power calibrators, connectors, and terminals.

03

Efficiency and Productivity:

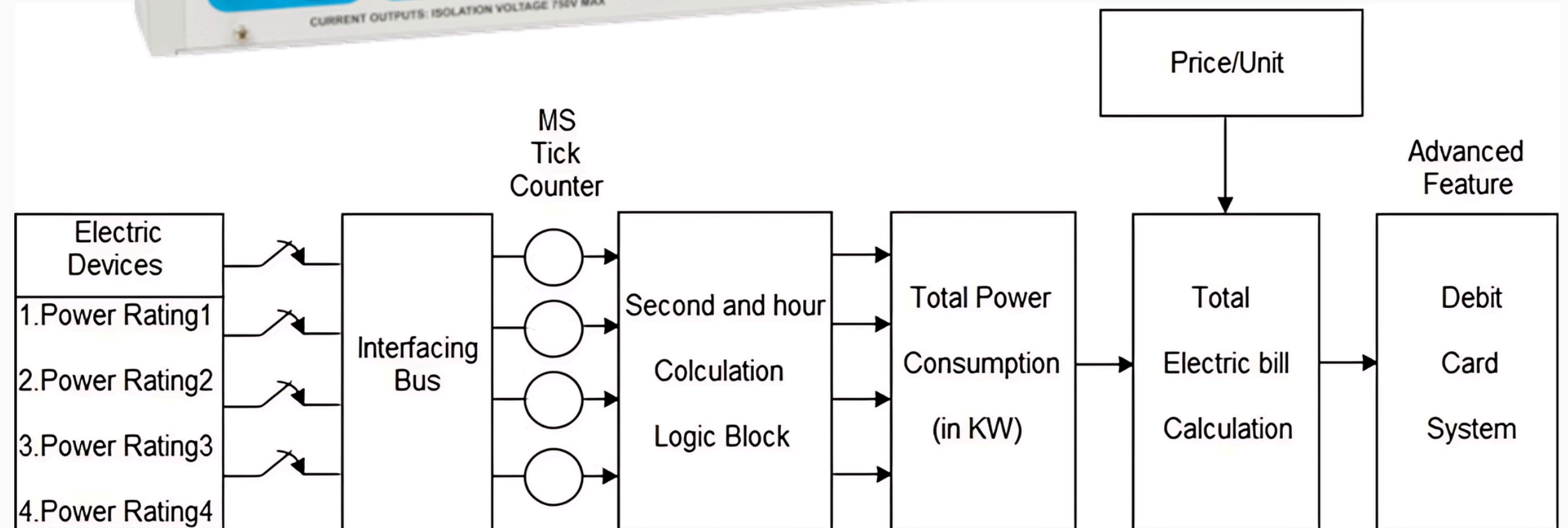
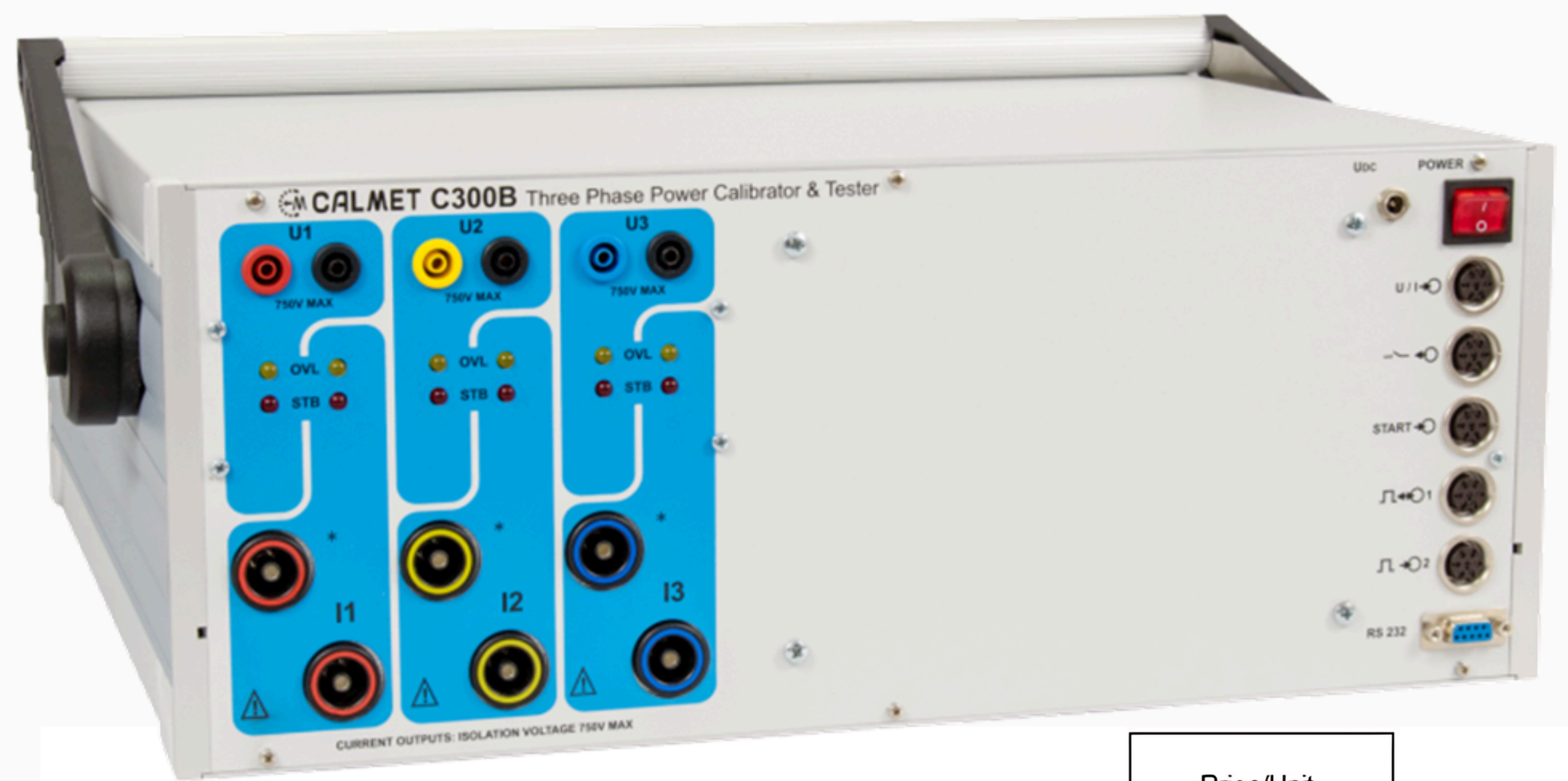
Manual calibration was slow and error-prone, affecting efficiency. Electrono sought to streamline the process for improved productivity.



Resolution

Three-Phase Power Calibrator: The CALMET C300B, a core component, calibrated both single-phase and three-phase energy meters accurately. Its versatility and precise measurements ensured accurate results.

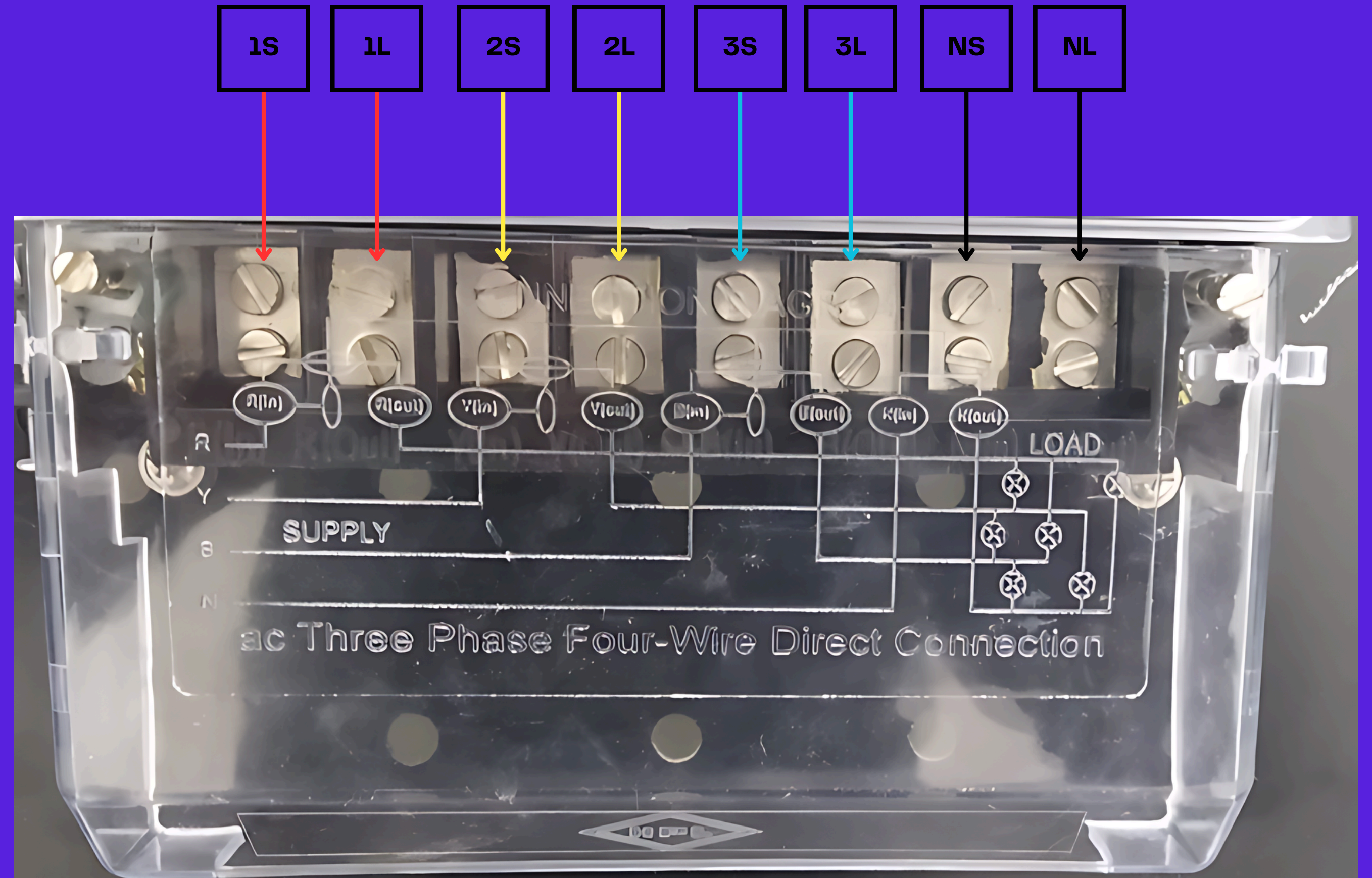
Static Watt-Hour Meters: Integrating three-phase and single-phase AC meters allowed comprehensive testing. Voltage input connectors and load output terminals ensured seamless connectivity and measurement.



SMART METER



Three phase input voltage & output load connectors.



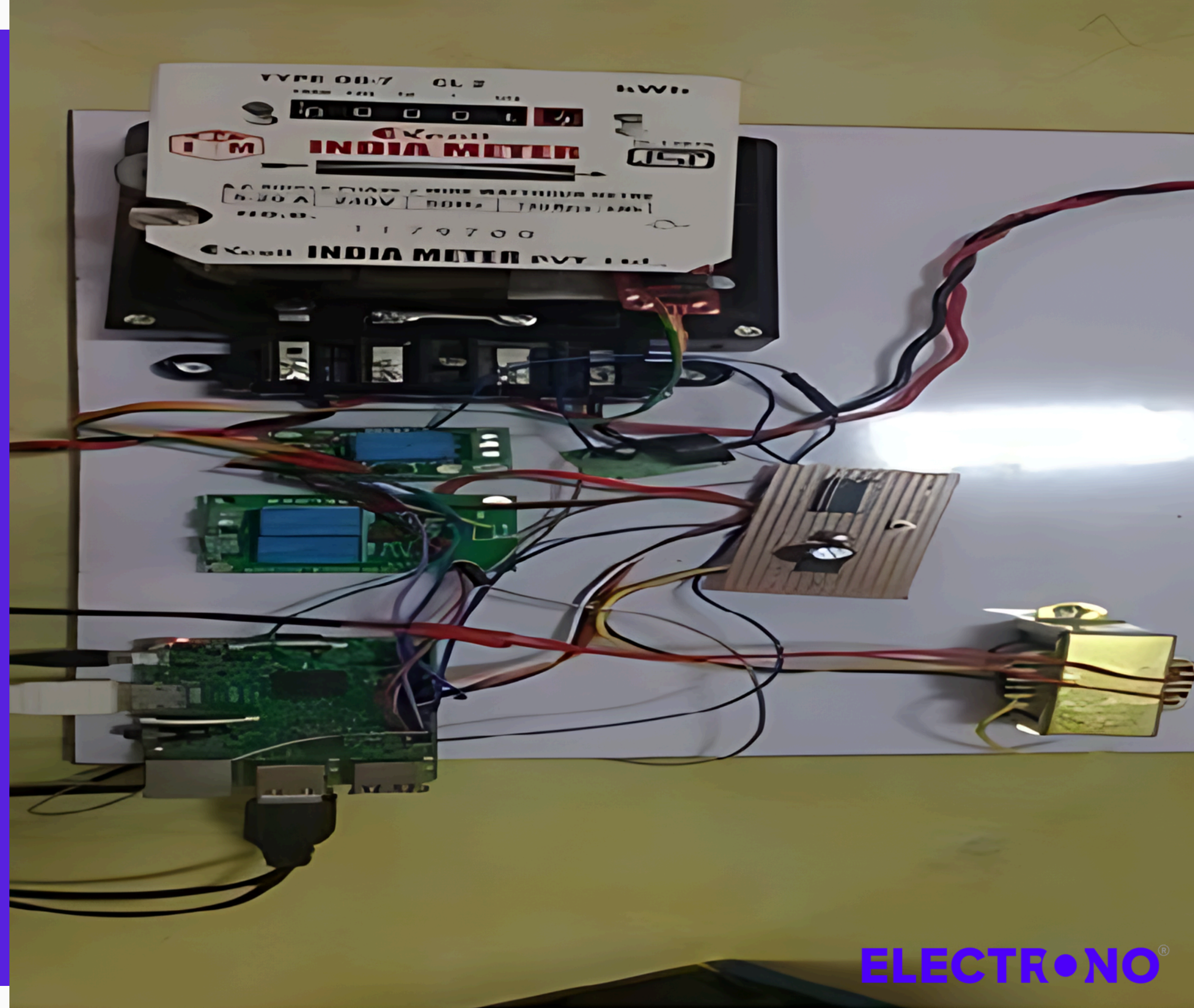
Benefits

Improved Energy Efficiency: Real-time monitoring and analysis facilitated the identification of inefficiencies, leading to significant energy savings and cost reductions.

Enhanced Operational Efficiency: Automation of metering and monitoring processes streamlined operations, minimizing errors and increasing productivity.

Remote Monitoring and Control: Remote access allowed for proactive management of resources, timely interventions, and responsiveness to changing demand patterns.

Data-Driven Decision Making: Access to comprehensive energy consumption data empowered decision-makers to implement targeted strategies for sustainability and conservation.



Get In Touch

**ELECTRONO SOLUTIONS
PVT. LTD.**



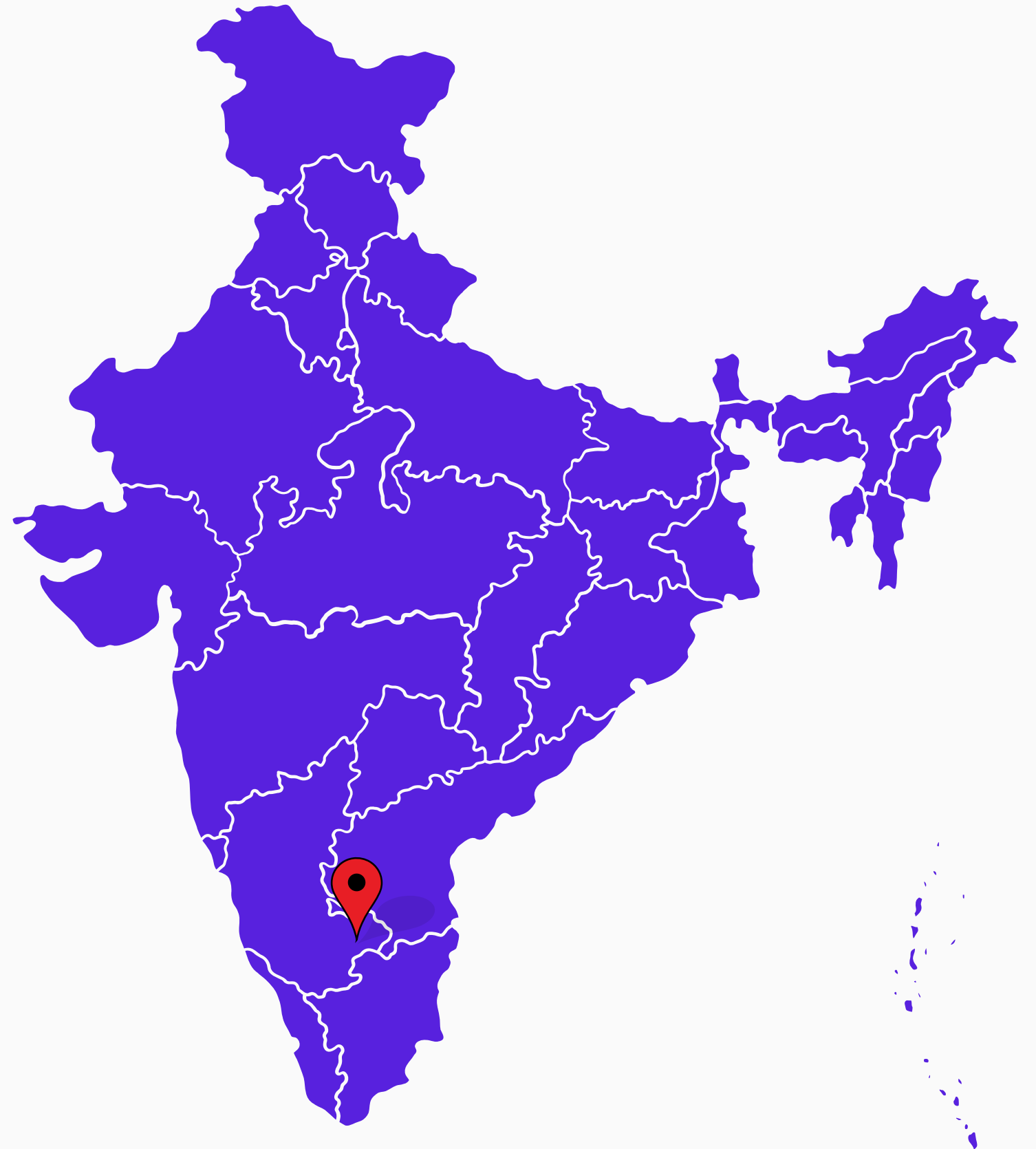
**501 Brigade IRV Centre, Nallurahalli Main Road ,
Whitefield, Bangalore- 560066, Karnataka, India**



080-41268358



info@electronosolutions.com



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