



Globy-D

Built for Adaptability & Reliability



Smart meter device as an enabler for efficient operations.

Energy Utilities face increasing challenges in ensuring efficient, reliable, and transparent grid operations. **Aging infrastructure and fragmented data management** hinder their ability to optimize maintenance, automate processes, and operate remotely. At the same time, issues such as **technical losses, energy theft, and billing inaccuracies** continue to impact both operational efficiency and customer trust. Implementing **Advanced Metering Infrastructure (AMI)** at scale **adds complexity**, as deployments must span diverse geographies, integrate with aging legacy systems, and adapt to varying regulatory environments.

These challenges demand solutions that are **not only robust and secure but also highly adaptable and scalable**, ensuring seamless integration while supporting future grid modernization initiatives.

Discover the Solution

Globy-D meter is a versatile solution designed to meet the evolving needs of electrical grids. It supports communication via PLC using M&M or PRIME 1.4 protocols.

This meter integrates multiple functionalities, including **comprehensive energy readings, power quality monitoring, multi-tariff applications, and event and alarm management**. It also features **advanced fraud detection** capabilities.

Built on years of expertise with the **M&M protocol** and integrating a **high performance and security levels MCU chipset** ensures reliable quality and approved field-tested experiences.



Adaptability

FW design allows a dual communication protocol upgradable remotely



Security & Reliability

MCU with Security Category 3 encryption, and robust anti-tamper features guarantee data integrity and operational safety



Operational Efficiency

Remote configuration, auto-discovery, and real-time data acquisition streamline grid management and reduce operational costs

Covered use cases

Where smart intelligence **meets real impact**. Empowering a **connected, efficient, and reliable grid**, today.

What it enables...

Remote Meter Management

Remotely configures, updates, and monitors smart meters to **reduce field operations and improve efficiency**. Enables faster issue resolution, secure firmware upgrades, and near real-time diagnostics. **Supports proactive maintenance and enhance grid reliability**.

Distributed Generation Monitoring

Monitors energy produced by prosumers, such as solar users, to ensure accurate billing and grid stability. Provides near real-time visibility into distributed generation performance. Supports balanced energy flows and integration of renewables.

Accurate Billing & Transparency

Delivers **clear, near real-time consumption data** to customers for precise billing and improved trust. Enhances transparency with detailed insights into usage patterns. **Reduces disputes and strengthen customer confidence**.

Fraud Detection

Detect anomalies such as high impedance and tampering attempts through advanced smart meter analytics. These capabilities **protect revenue streams, reduce non-technical losses, and strengthen grid security**.

Multi-Tariff and Load Shedding Applications

Enables flexible pricing models and demand-side management to optimize energy consumption. Reduces peak load stress through controlled load shedding strategies. Supports grid stability while offering **cost-saving opportunities** for customers.

Quality of Service Monitoring

Track key parameters like voltage, frequency, and neutral loss using smart meters to **maintain compliance with regulatory standards**. Continuous monitoring ensures **service quality, prevents equipment damage, and supports proactive maintenance**.

Business Impact



OPEX efficiency

Up to **30-40%** OPEX efficiency through monitoring for ordinary/emergency maintenance



Revenue protection

Up to **65%** on network and grid interruptions



Customer services

Up to **25%** of customer services enhancement