WiTTRA™

Sustainability Through
Energy Management

Do you know where your energy is going?

Current Meter

Many industrial companies face challenges with high electricity costs and lack of granular visibility into appliance-level power consumption. WiTTRA's innovative solutions provide actionable insights in real time by measuring energy consumption from the sub-meter down to the individual appliance-level.

Revolutionize Your Industry's Energy Efficiency with WiTTRA Wireless Technology, taking advantage of these key benefits:

- Real time data instead of using a logger
- Clamp installation is simple – just click the clamp over the existing electrical wiring
- Easy wireless installation provides unbeatable Return on Investment
- Technology used and proven in very harsh industrial environments
- Connectivity through 6LowPAN, mioty or LoRaWAN

WiTTRA CURRENT METER and CLAMP

The WiTTRA Current Meter enables single-phase current metering. A split core current clamp connected to the Current Meter measures up to 400 Amps AC current on the primary center conductor. The clamp can be fitted around existing electrical wiring, rapidly reducing the installation time. By harvesting energy from the current clamp, the Current Meter can run without any external power source.

WiTTRA's PULSE COUNTER

WiTTRA's Pulse Counter can read already installed energy meters, transform the data to the wireless domain, and transmit to the cloud securely. Simply install the LED interface on the energy meter and connect it to WiTTRA's ADT Click-on sensor.

HYPERION ENERGY METER

As a third alternative, you can use the certified Hyperion Energy Meter for 3 phases. The phases can be measured via clamps or through the meter.

- Bidirectional measurement (input/output, e g solar power use case)
- Measurement of up to 3 phases
- Direct connection up to 100A
- Clamps for current and voltage connections available
- True power measurement

In addition, the WiTTRA network is compatible with a wide range of additional hardware from other manufacturers, using the mioty or LoRaWAN standards.

RESULTS and METRICS

The WiTTRA IoT cloud portal presents a user-friendly interface for visualizing data and managing sensors. The user can dynamically manage alert types based on sensor add-ons, gather metering insights, and create basic reports while using multiple sensor combinations.

- Real-time energy consumption data available on the same day as installation
- Ability to detect reactive loads in bad conditions resulting in high consumption
- Ability to detect sub-meter using energy even during operational standstills
- Ability to identify problems with appliances at sub-centraland appliance levels
- Energy savings and increased overall equipment effectiveness

INDUSTRIAL USE OF WiTTRA'S ENERGY METERING TECHNOLOGY

WiTTRA's low-density IoT infrastructure has provided Silver Weibull with valuable insights about energy consumption at their manufacturing site and paves the way for future digital innovations using the same infrastructure. By embracing WiTTRA's technology, businesses can significantly reduce energy costs while promoting sustainability and prepare for future initiatives towards gaining deep business insights.

" When I saw the business value of this data, I knew I needed this solution across all our sites. And it is just the beginning of our digital transformation journey."

/Jonas Rolandsson, CEO of Silver Weibull.

To find out more, contact us at info@WiTTRA.io
or visit www.WiTTRA.io

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