

# Energy consumption measurement

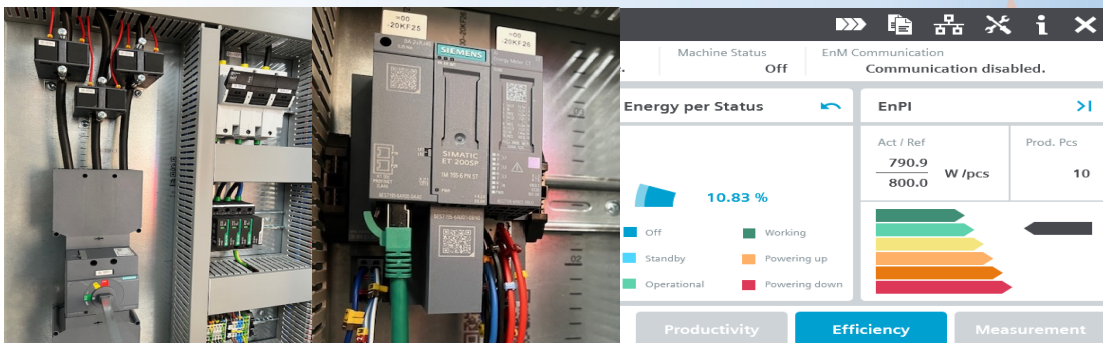
For manufacturers and operators of machines or production lines, TAURID offers hardware and software solutions for measuring not only electrical energy consumption on the Siemens Simatic ET200SP and Energy Suit platform.

## Basic package includes:

- measuring transformers 1A or 5A, 3 pieces
- evaluation module for Simatic ET200SP Energy Meter, 1 pc
- HMI Simatic Unified Comfort Panel with 10" display
- predefined screens and graphs
- installation in electrical switchboard
- documentation, system configuration, installation, commissioning and operator training

**Price of the basic option is 1975 EUR or 49,000 CZK.**

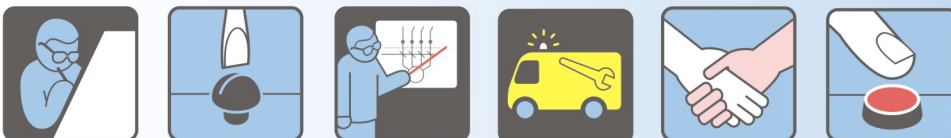
The evaluation module can be dimensioned for TT, TN or IT distribution systems. On the operator panel, the user can view the current power consumption, phase voltage, phase-to-phase voltage, current in individual phases, frequency, active, reactive and apparent power and power factor ( $\cos\phi$ ). The Energy Suit not only works with the ET200SP evaluation module to measure power consumption and analyze network quality, but can also process values obtained from the well-known Sentron PAC3200, gas meter or other metering points.



Don't hesitate to equip your existing equipment with energy measurement system. Contact us, we can help you verify if your PLC and HMI configuration is compatible.

## User gets:

- accurate measurement and analysis of energy consumption
- real-time monitoring and identification of savings
- predictive planning option
- simplification of energy audit and reporting
- supporting sustainability and environmental protection



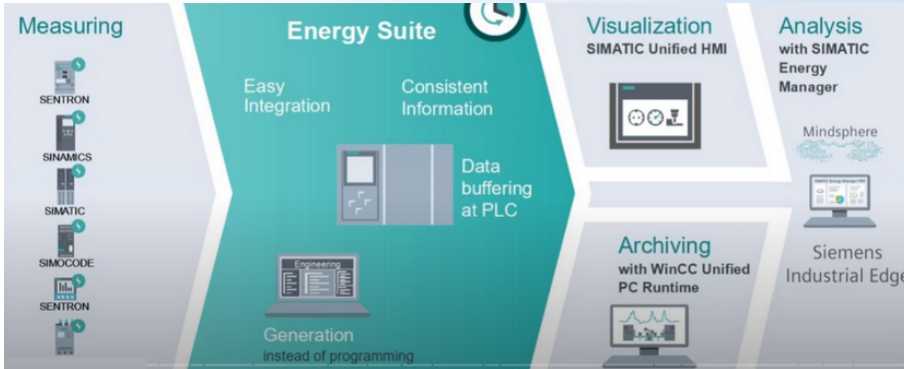
# TAURID

**TAURID Ostrava s.r.o.**  
Starobělská 3040/56, 700 30 Ostrava-Zábřeh,  
tel.: 599 507 800  
www.taurid.cz

# Energy consumption measurement

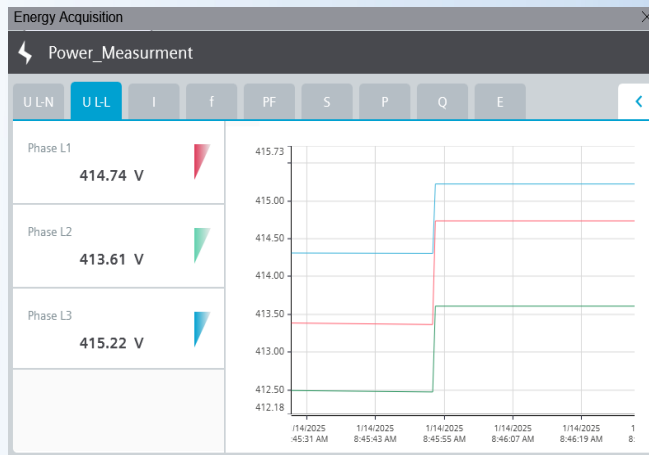
The added value of the TAURID solution is the **interconnection to the operational states of the equipment**, which allows to analyze data measured during normal operation, maximum load or, on the contrary, standby mode of the machine.

Measured **data can be archived**, for example, every day in a separate file in \*.csv format and then analyzed using available tools such as LibreOffice or other advanced ones, including AI.



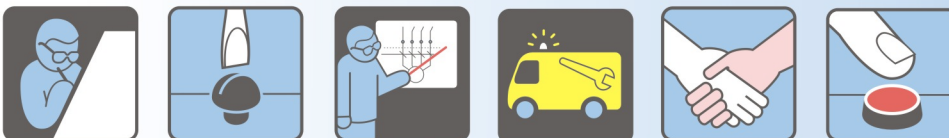
## Summary:

TAURID hardware and software solutions for measuring not only electrical energy consumption on the Siemens Simatic ET200SP and Energy Suit platform can be easily **added to existing** electrical switchboards of machines and production lines.



We highly recommend linking energy consumption measurement to the **operating modes**, which can give you surprising insights into how consumption varies. Energy Suit can do much more and will help in **network analysis**, for example, determining the power factor that is associated with the need for reactive power compensation. Last but not least, the consumption of non-electrical quantities, such as **gas or water**, can also be analyzed.

**Contact us and we will be happy to help you implement consumption measurement for your machines and production lines.**



# TAURID

**TAURID Ostrava s.r.o.**  
Starobělská 3040/56, 700 30 Ostrava-Zábřeh,  
tel.: 599 507 800  
www.taurid.cz