### Power monitoring in low voltage power distribution

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<th>Minimal effort (commissioning)</th>
<th>System documentation and archiving</th>
<th>Transparency of energy flows and costs by data recording</th>
<th>Increase system reliability by continuous condition monitoring</th>
<th>Key indicators (dashboard, reports)</th>
<th>Energy management according to EN 50560 / IEC 61000-4-30</th>
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### Energy management in industrial production plants

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<th>Minimal effort (commissioning)</th>
<th>Data collection and processing, machine-oriented visualization</th>
<th>Transparency of energy flows and costs from machine to factory level</th>
<th>Key indicators (dashboard, reports)</th>
<th>Energy management according to ISO 50001*</th>
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### Key Indicators (dashboard, reports)
- Transparency of energy flows and costs
- Key performance indicators
- Energy efficiency analysis

### Energy management according to ISO 50001*

- Baseline management
- Forecast
- Batch analysis

### Software Solutions

<table>
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<tr>
<th>SENTRON powerconfig</th>
<th>SENTRON 7KN Powercenter 3000</th>
<th>SENTRON powermanager</th>
<th>SIMATIC Energy Manager</th>
<th>SIMATIC Energy Suite</th>
<th>S7 Energy Efficiency Monitor</th>
<th>SIMATIC MindSphere App</th>
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### Additional Information

- Mobile App
- Webinterface
- TIA Portal
- WinCC

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* Basis: energy management, forecast, batch analysis

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You will find further information at:

1. SENTRON powerconfig
2. SENTRON 7KN Powercenter 3000
3. SENTRON powermanager
4. SIMATIC Energy Manager
5. SIMATIC Energy Suite
6. S7 Energy Efficiency Monitor
7. SIMATIC MindSphere App

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**SENTRON portfolio for power monitoring**

**The flexible solution for multifunctional measuring in final circuits**

**The entry-level solution which comes to energy in circuit**

**The efficient solution for multifunctional current measuring in the main distribution**

**The energy meter solution for DNM role**

**The cost-effective solution for digital energy measurement**

**The compact solution for precise energy measurement**

**The specialist solution for communication and monitoring**

**The professional solution for measured value recording and power supply quality**

**The class A solution for power supply quality**

**The integrated energy solution for automation**

**The specialist solution for protection and energy measurement**

**The incoming circuit breaker with communication**

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**Ready for ISO 50001**

- **Plug & operate solution for the digitization of low-voltage power distribution**
  - Central interface into the switchgear
  - Up to 32 subordinated devices
  - Connecting functions for classification applications (railing architecture)
  - Integrated, user-definable web interface
  - Parameterization via SENTRON powerConfig

**Your Benefits:**

- **Minimization of security efforts**
- **Early detection and prevention of downtimes**
- **Reduction of energy efficiency and duration**
- **Easy digitization of brownfield projects**
- **Basis for energy management (such as ISO 50001)**