





Reducing product costs without detracting from quality!

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Production costs are accrued in all areas ...













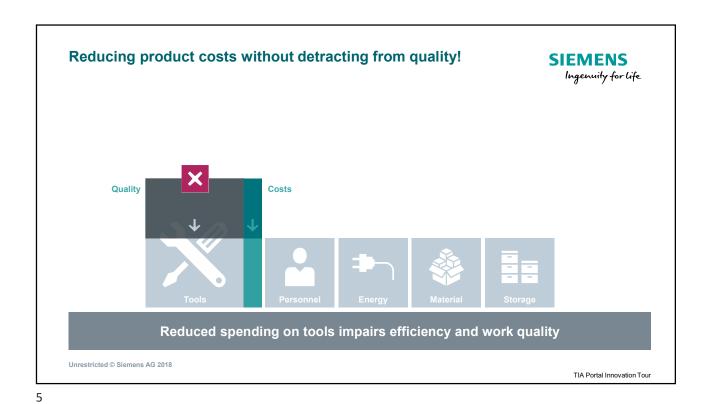




... where can we make practical savings?

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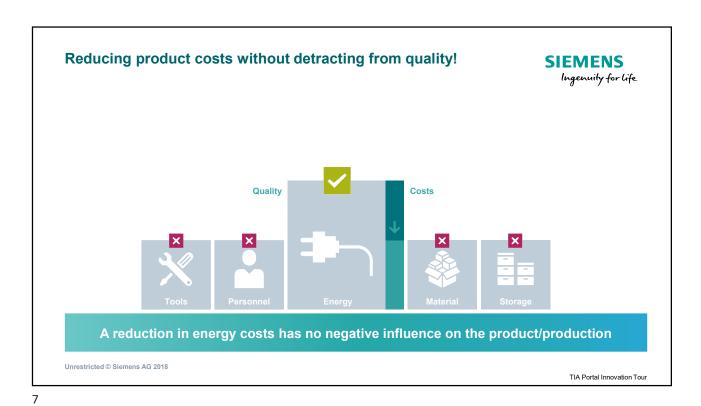
Reducing product costs without detracting from quality!

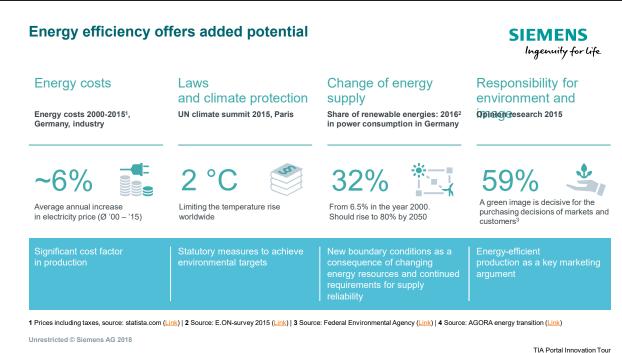
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Costs

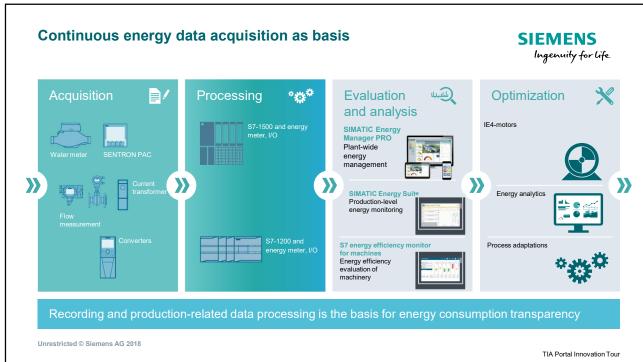
Lowering personnel costs has a detrimental effect on motivation of the workforce

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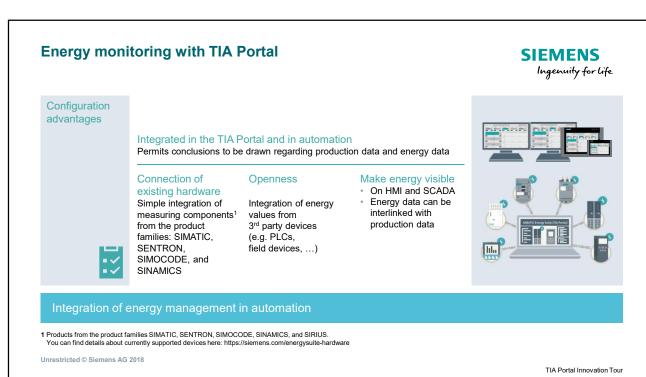






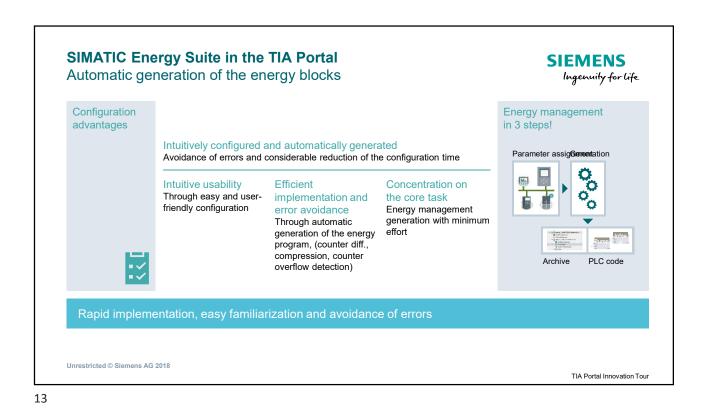


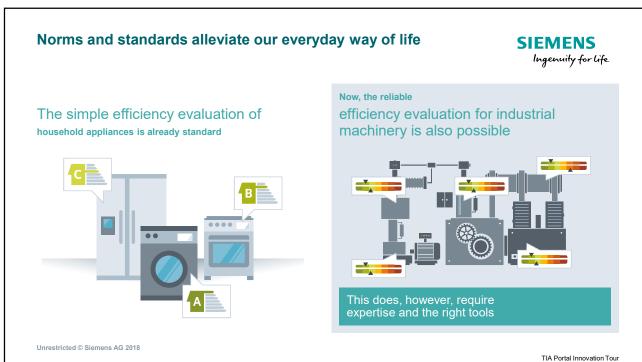
SIMATIC Energy Management – Transparency and efficiency SIEMENS from the machine to the company as a whole Ingenuity for life SIMATIC Energy Manager PRO -Efficient and economic energy consumption management across site boundaries + Efficiency analysis for machines Enterprise level SIMATIC Energy Suite **Production level** Integrated acquisition, processing and visualizing of energy data S7 energy efficiency monitor Efficiency analysis for machines Intelligent, standardized energy efficiency evaluation of machines Integrated measurement Field level Energy and status data from measuring and field instruments Unrestricted © Siemens AG 2018 TIA Portal Innovation Tour

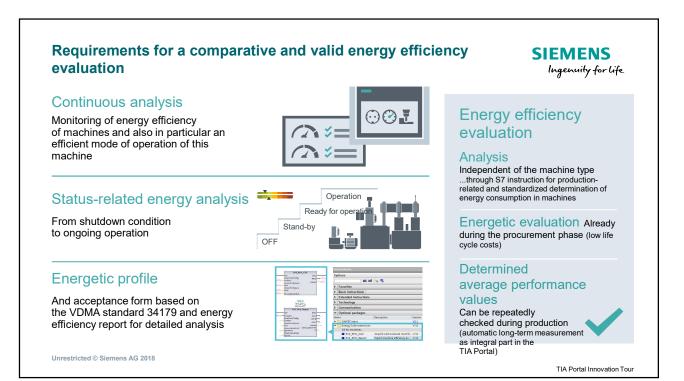


Indout 6

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Energy management in the TIA Portal Energy Suite

Live demonstration

SIMATIC Energy Suite - Getting Started https://support.industry.siemens.com/cs/ww/en/view/109739102
SIMATIC Energy Suite - Visualization Examples https://support.industry.siemens.com/cs/ww/en/view/109739775

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SIMATIC Energy Manager V7.1 – Easy introduction with the Energy Manager Basic

Energy Manager Basic V7.1

- Basic functionality with Web Engineering (dashboard, report, chart, ...)
- Reporting for WinCC and Energy Suite
- Predefined report templates
- Upgrade to full functional scope of Energy Manager PRO with license key

Benefits

- · Quick and straightforward introduction to energy management
- Intuitive web engineering
- · Fast and simple generation of reports
- · Scalable, future-oriented solution

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SIMATIC Energy Manager V7.1 – Overview – News in V7.1

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Energy Manager PRO V7.1

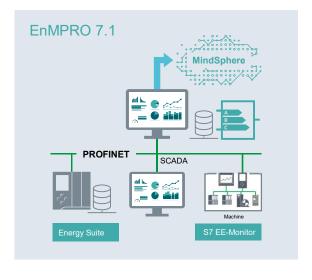
Additional functions

- · Full client configuration
- · Batch and material analysis
- · Forecasting possibilities
- S7 EE Monitor interface including template and instance concept
- Energy efficiency measures
- MindSphere connectivity

Benefits

- · Individually adaptable energy management system
- Baseline management
- Cross-disciplinary machine analysis/ calculation of key performance indicators
- · Benchmark of machines

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SIMATIC MindApp Energy Manager

Energy management in the MindSphere

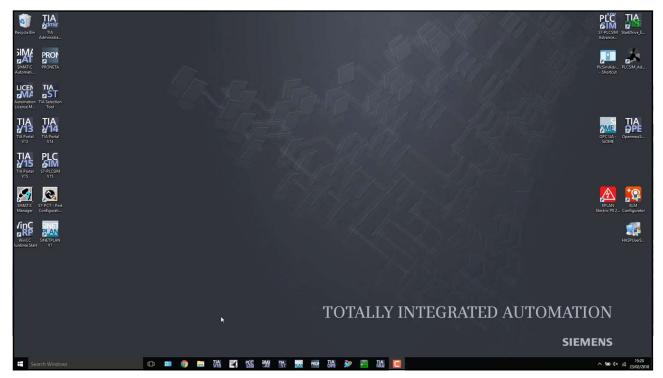
- Energy transparency according ISO 50001
- Derive optimization measures based on KPIs
- Transparency regarding energy costs and consumption
- Easy to use Widget-based Dashboard with integrated basic analytics
- Simple KPI definition
- Bringing energy data in relation to further context like production, weather ...

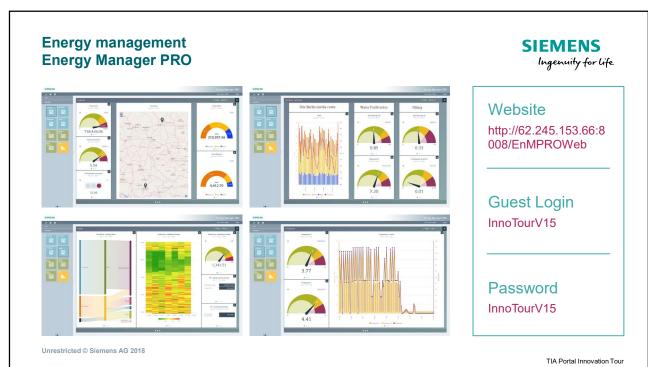


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dout 11

Transparent operationEnergy management

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1 | Energy management directly at the machine

...production-related energy transparency, allowing constant monitoring of the machine status

2 | Meet statutory requirements

...with an energy management solution certified by the German Technical Inspectorate pursuant to ISO 50001

3 | Increase productivity and quality with energy efficiency

...by integration in the automation system, EnPIs can be generated easily

4 | Easy implementation of advanced requirements

 \ldots with an integrated, scalable energy management system – from the field level up to management level

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