

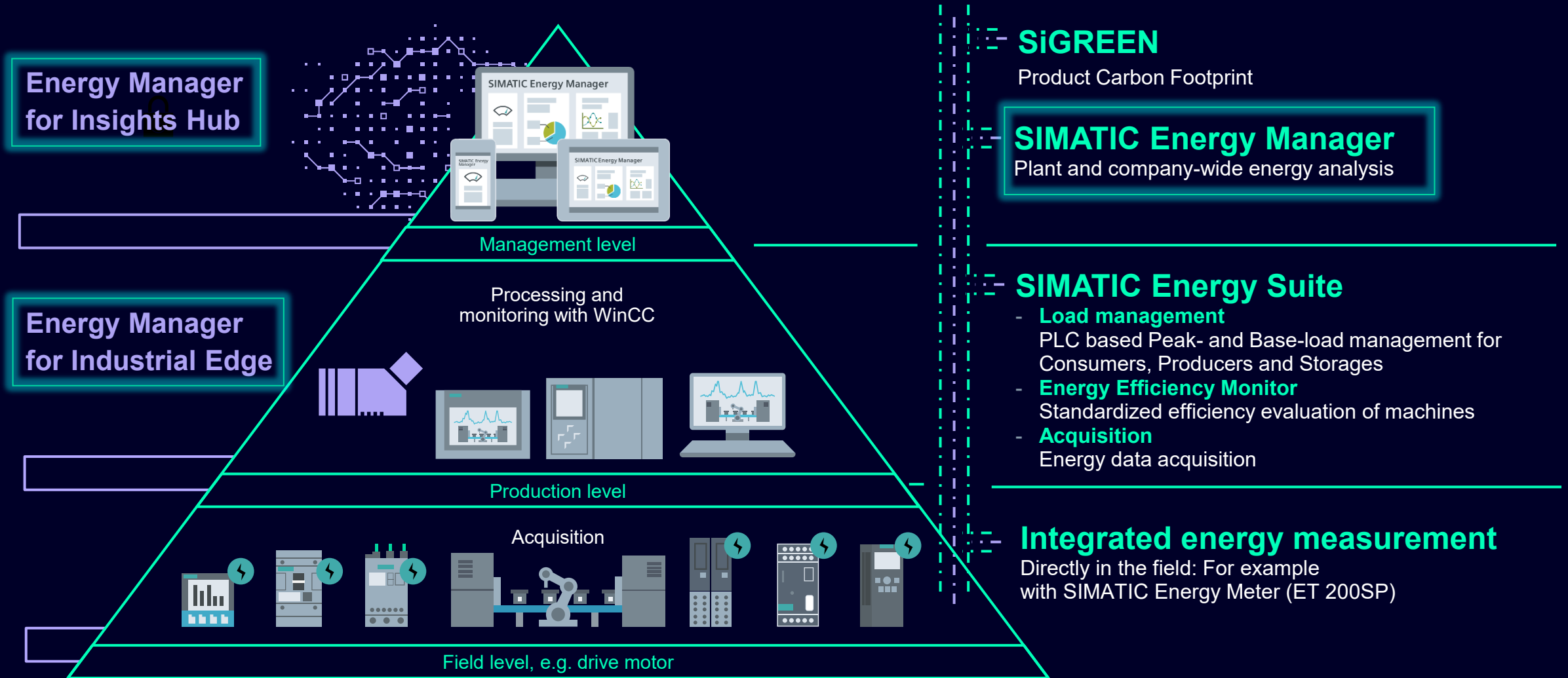
SIMATIC Energy Management

Transparency and efficiency from machine to company level

Please follow these links:

[Video](#)

[Website](#)



SIMATIC Energy Manager - Horizontal integration of the value chain and data transparency for quick decision-making



Benefits

- Holistic view of energy and resource consumption
- Useful analysis functions to improve energy efficiency
- Transparency of energy costs and CO₂ emission
- Counter management (overflow, change, ...)
- Replacement strategy for energy critical assets

Reporting /
KPI



Data analysis
with chart



Dashboards



Monitoring

Energy cons. & CO₂ analysis to identify savings

Accounting

Cost cause analysis for increased cost awareness

Controlling

Enterprise-wide energy management

Energy Purchase

Optimal resource and energy procurement based on prognosis

EE-Measure Management

ISO 50001 - compliance

Data collection across all divisions

Pump stations

Mechanical Treatment

Biological Treatment

Sludge treatment / gas generation

Energy mix & optimization

Example Use case

Cutting energy costs by avoiding load peaks



Challenge

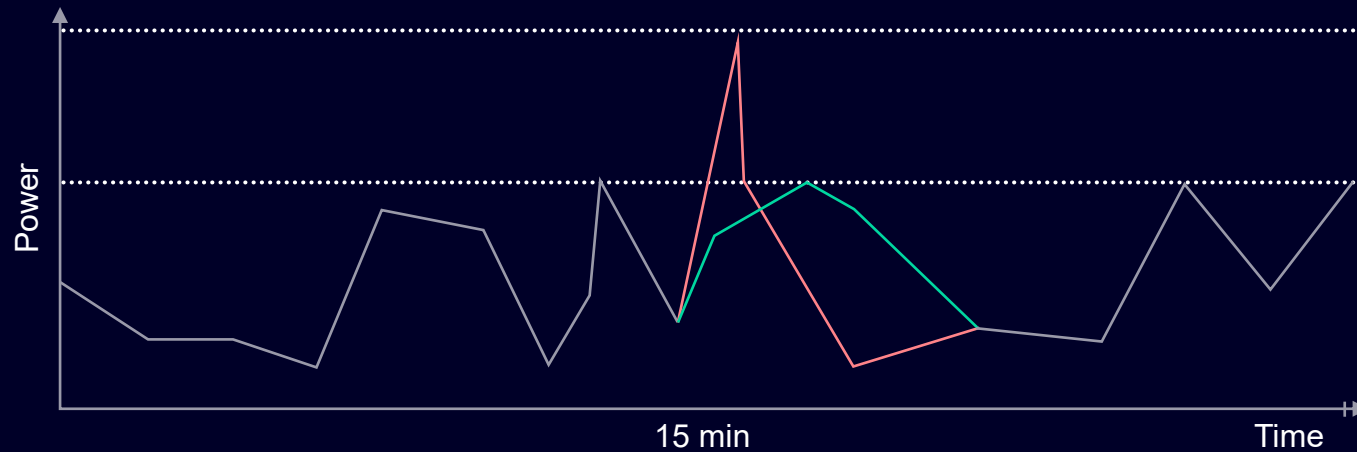
Electricity costs increased significantly over the last years and will increase even more in the future Load peaks can cause fines up to €100 k

Requirements

- Avoid load peaks
- High availability of production
- Inclusion of several energy feeds

Benefits

- Synchronize generation with production based on energy demand forecasting
- Reduce energy costs by avoiding load peaks
- Short amortization time
- Higher availability than PC based systems



More information on SIMATIC Energy Suite Website (www.siemens.com/energysuite)