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# SIMATIC SCADA Systems

## A suitable SCADA System for any requirements



**Production automation**

**Infrastructure**

Machine-level visualization

Line visualization

Plant visualization

Single-user system... ...Multi-user systems... ...Distributed systems... ...Widely distributed systems

SIMATIC integration

Openness

**WinCC RT Prof**



**Engineering efficiency**

**WinCC V7**



**Production management efficiency**

**WinCC Open Architecture**



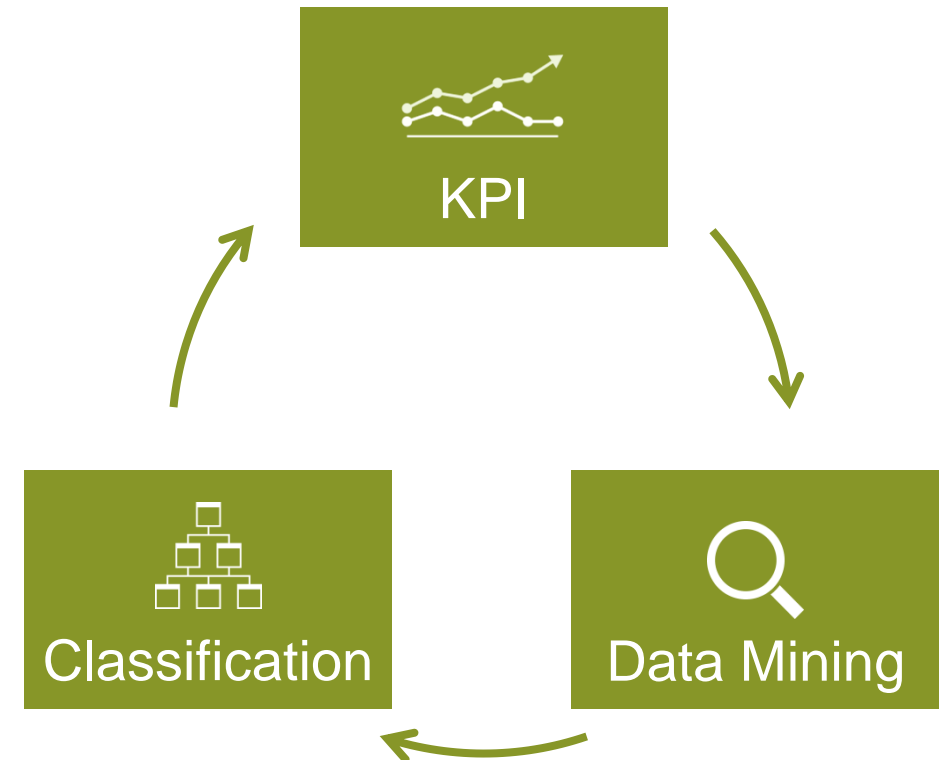
**Customizing efficiency**



## SmartSCADA

### Use cases:

- Root Cause Analysis
- Define KPIs, assign KPIs to devices with one click
- Find dependencies by using correlation, find timeframes by filtering values, direct handover to statistical calculation
- Classification based on a statistical model
- Reuse model any time e.g. for new KPIs





## SmartSCADA

### Functions:

- Wizards for
  - key performance indication (KPI),
  - data mining,
  - classification
- Interface to statistics toolbox “R”



### Benefits:

- Easy integration of statistics in WinCC OA projects
- All operations inside SCADA, without any programming
- Guided way to train the model
- “R” operations inside SCADA environment
- Root Cause Analysis