The True Value of Energy as the Key to Operational Excellence

Rob Burghard
Project 6-25, Middelburg
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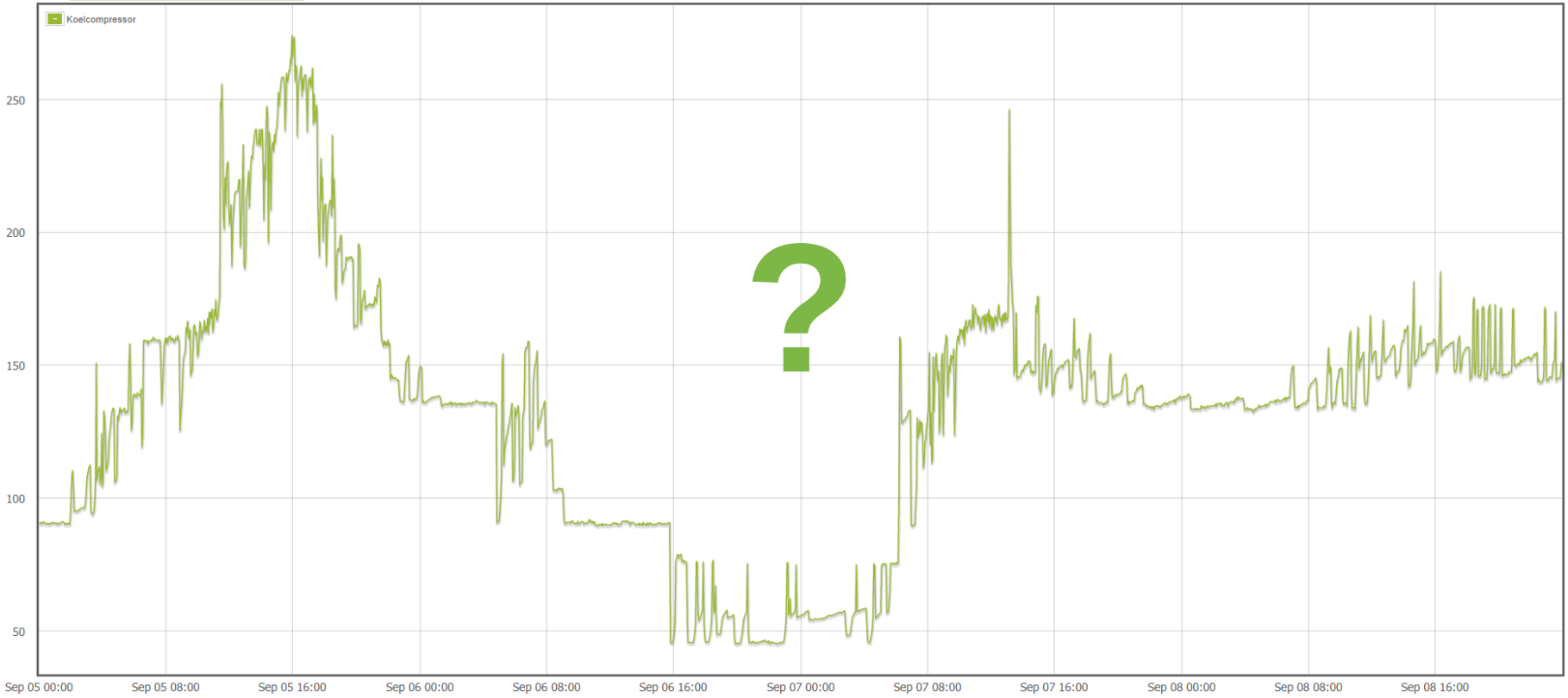
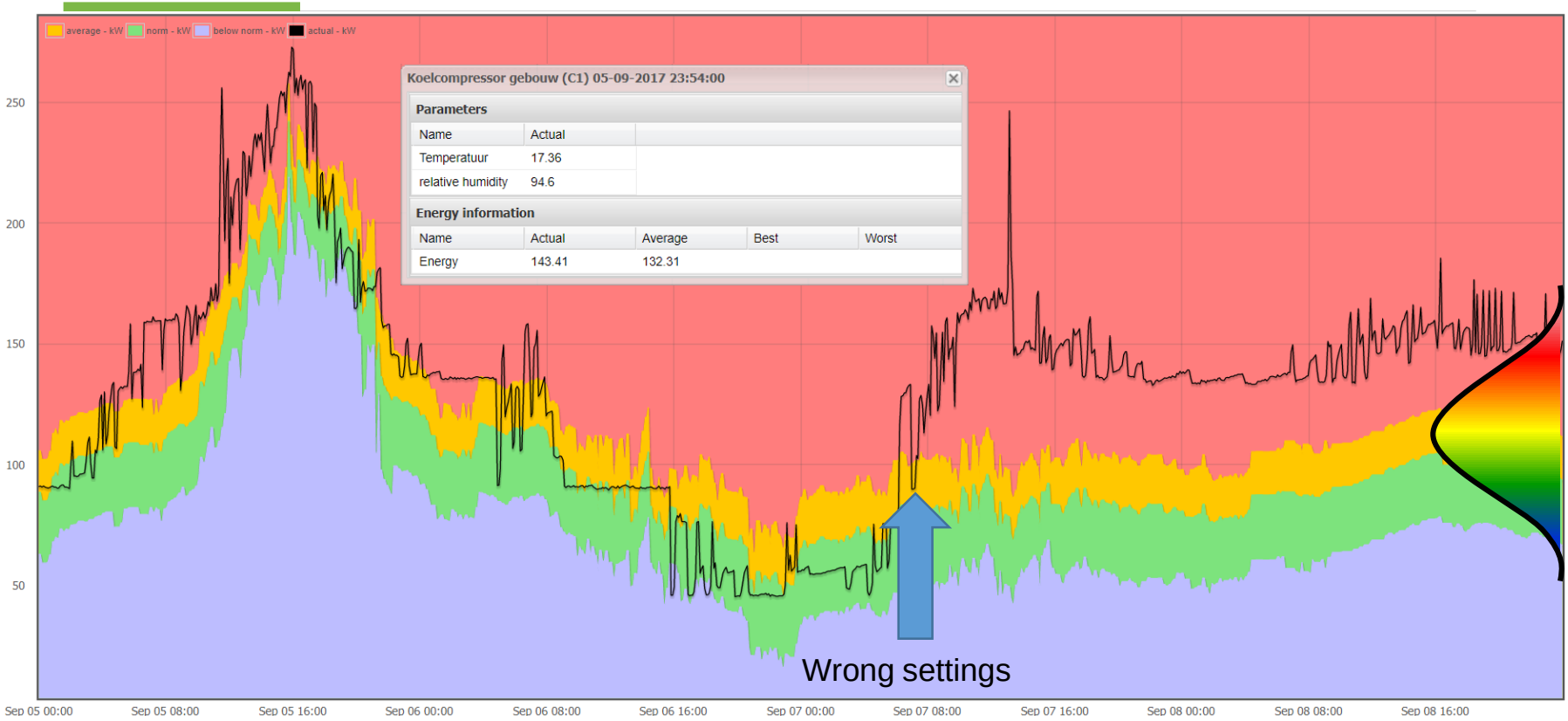
Cooling

Plain power consumption in kW without reference

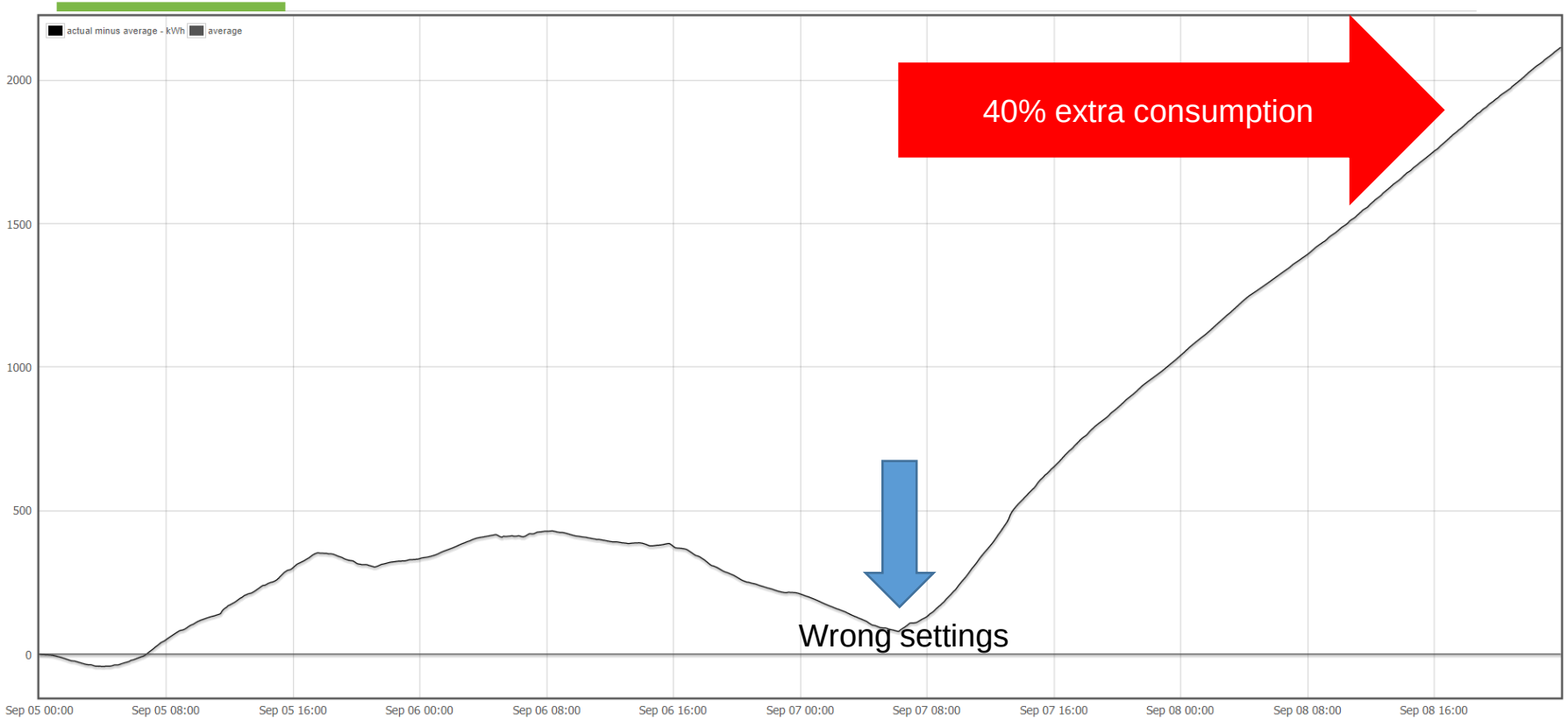


Cooling

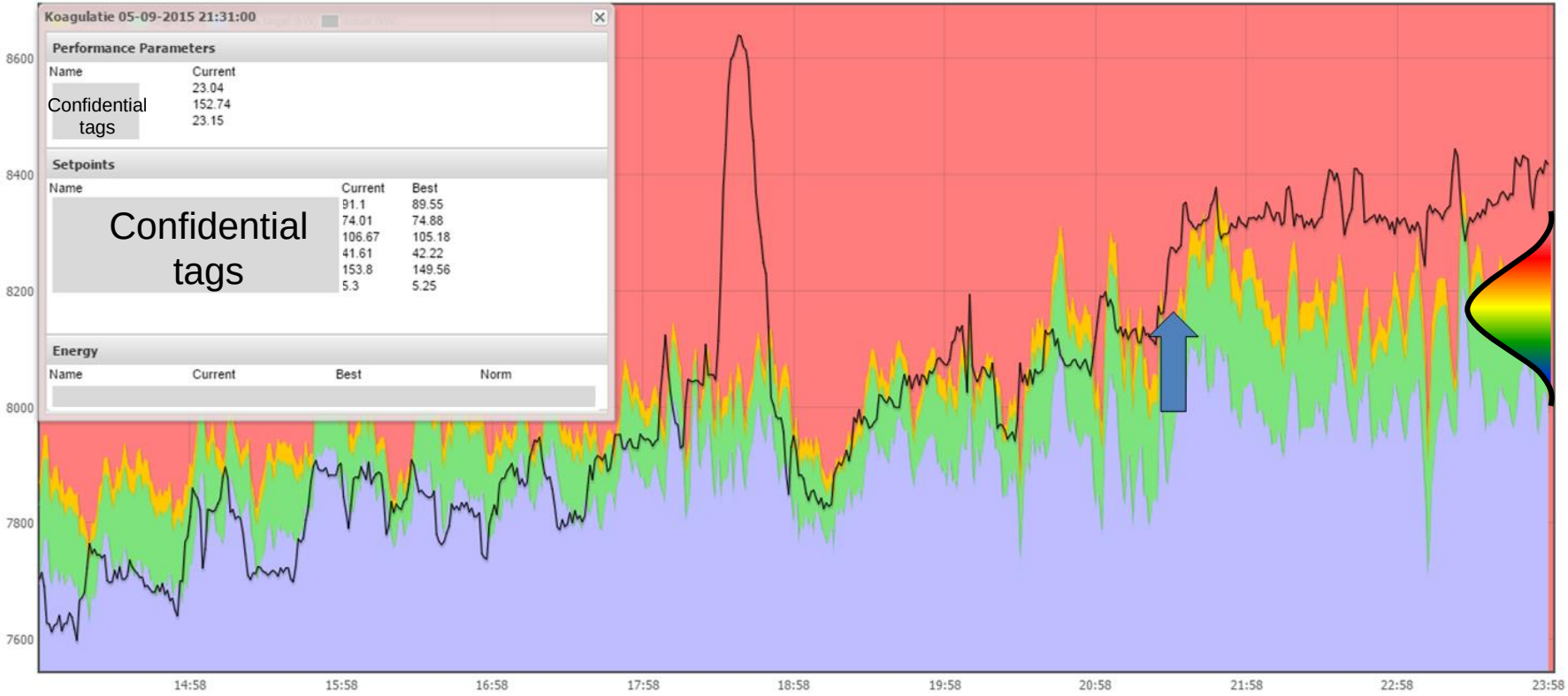
Plain power consumption in kW with learned reference



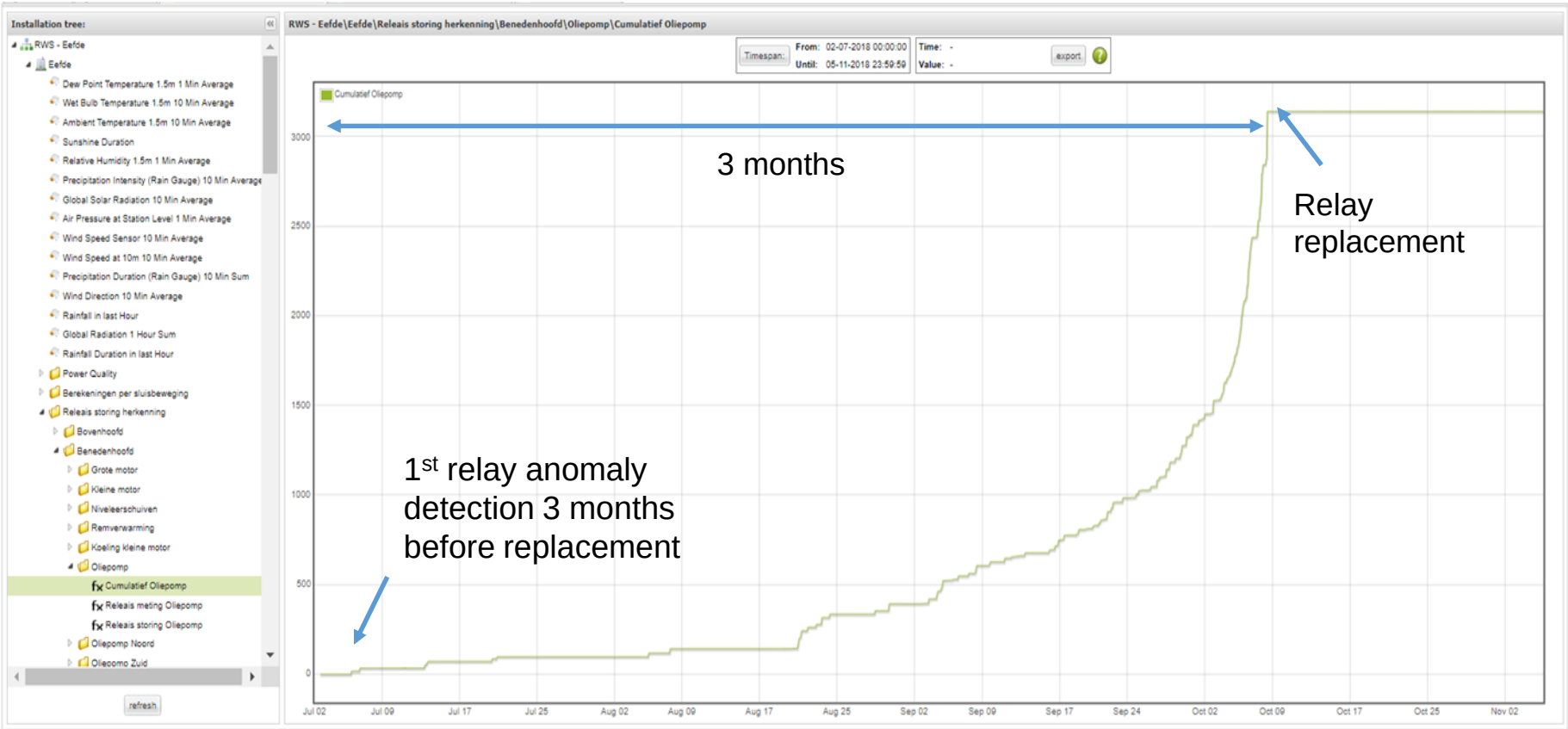
CUSUM Cumulative sum of (power consumption – learned reference)



Recommendation of setpoints to save energy (5%-30%)



Early warning Relay failure

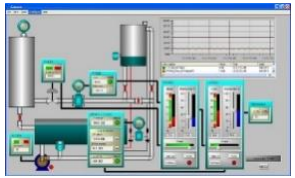


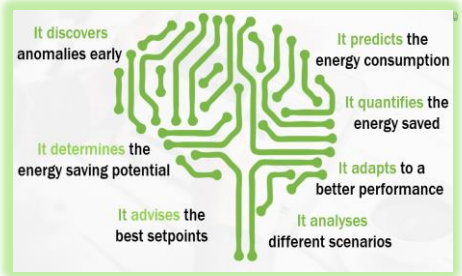
Technology artificial energy intelligence (AEI)

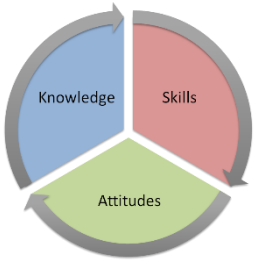
PROCESS DATA & EXISTING KNOWLEDGE + **ENERGY & WEATHER DATA** ingredients

+ **ARTIFICIAL *ENERGY* INTELLIGENCE (AEI)** technology

= **ENERGY SAVINGS INCREASE MTBF & NEW KNOWLEDGE** added values

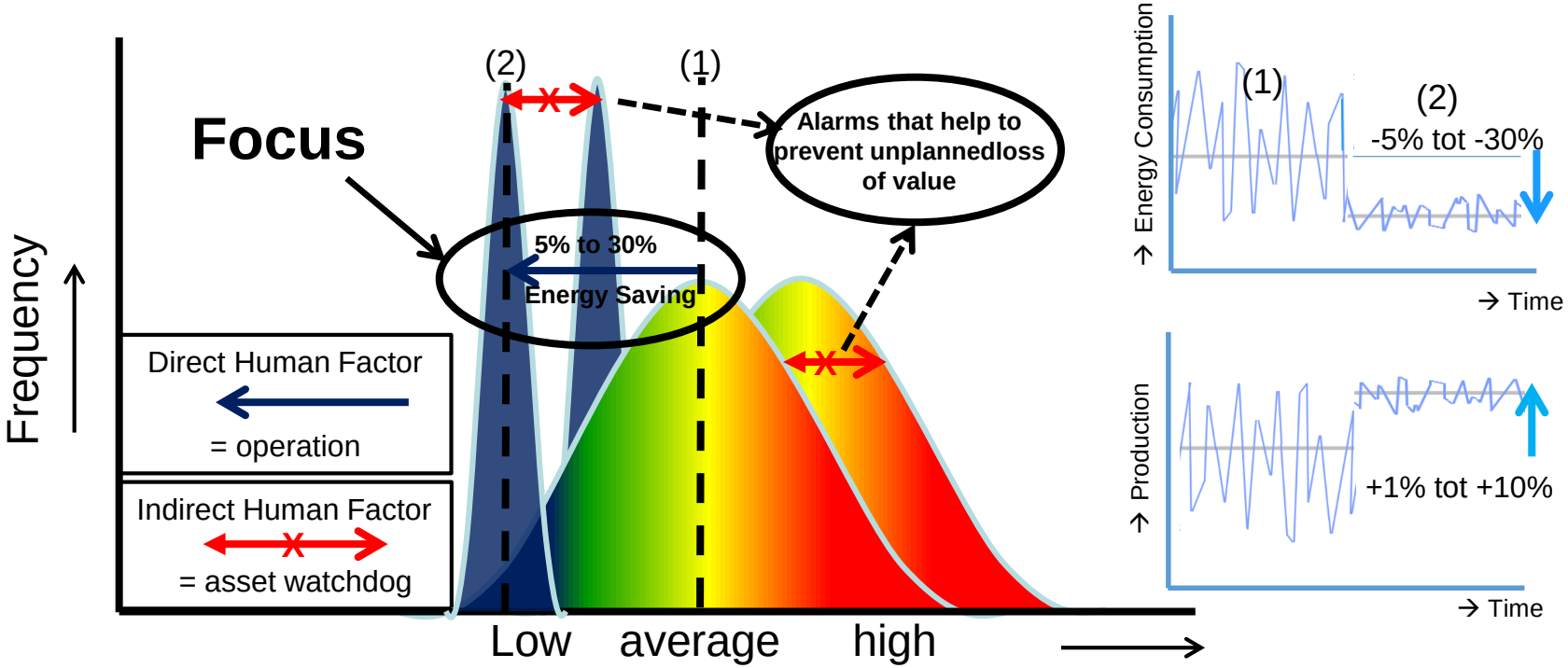






The Opportunity

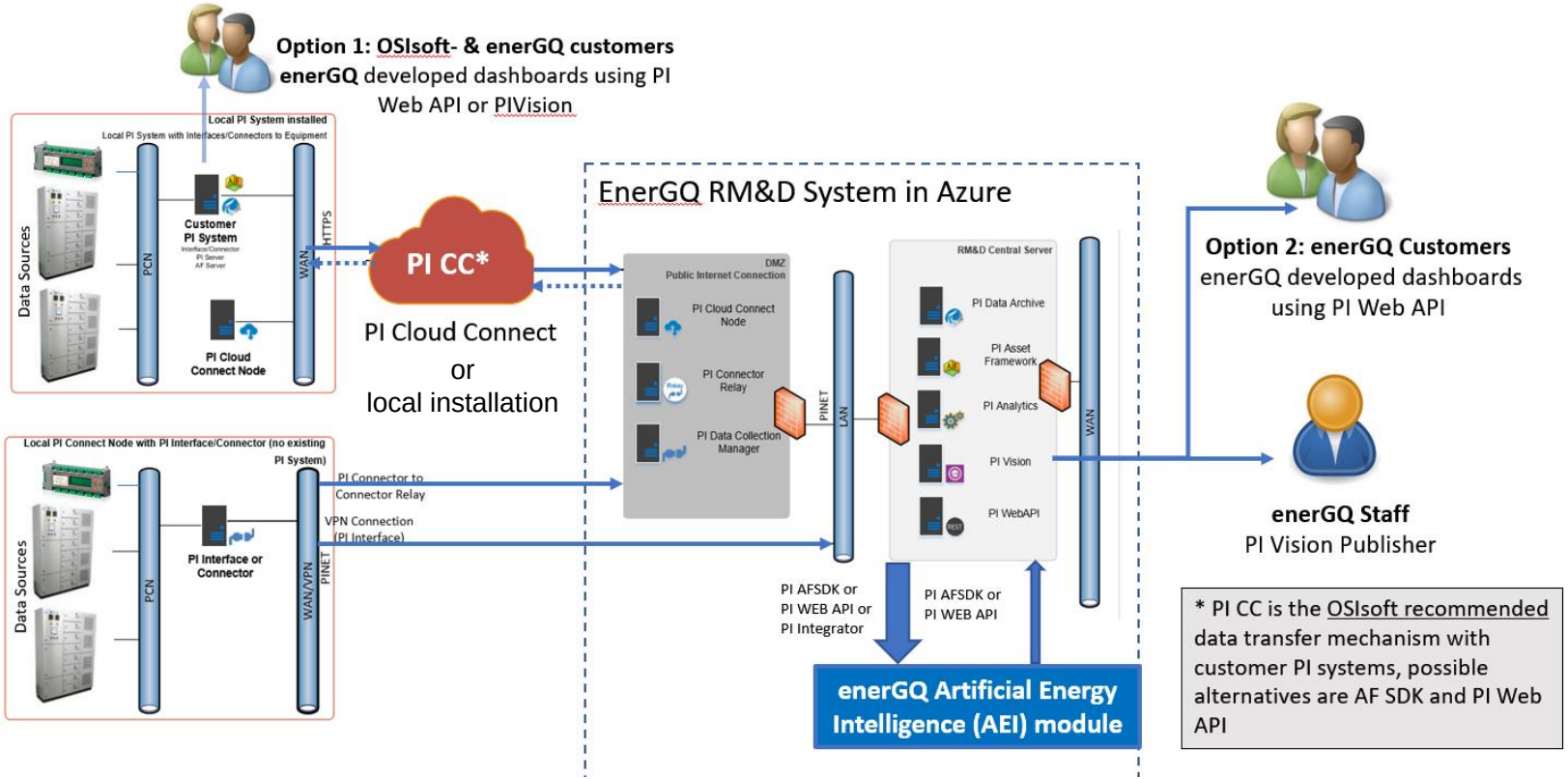
Operational energy saving and early warnings of abormalities



Energy consumption per unit of time related to a <u>specific performance</u>

The answer to scaling up

OSIsoft enerGQ architecture enabling P&P AEI



Case Biomedisch bedrijf in samenwerking met Strukton Pulse

Nico Bijlhouwer

Contact details

- enerGQ BV
- Rob Burghard
- Managing Director
- servicedesk@enerGQ.com, rburghard@enerGQ.com
- +31(0)50 524 8370 / +31(0)6 1091 3693
- www.energq.com