



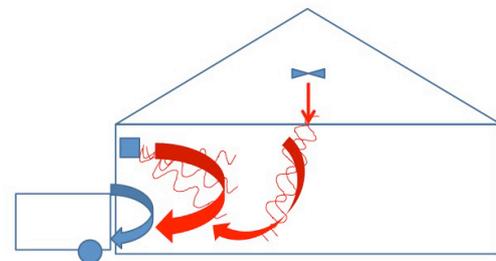
smart energy saving in warehouses



Opened industrial doors lead to a significant loss of energy

....

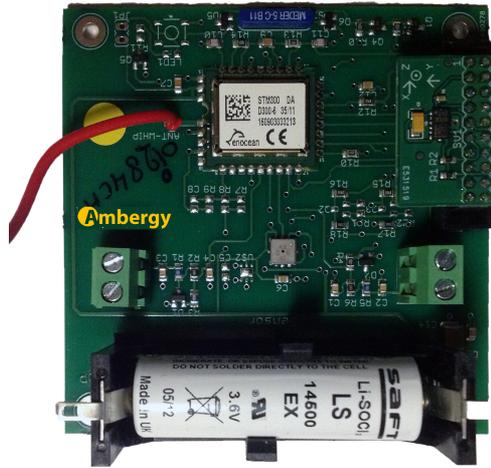
by airflow and draught.





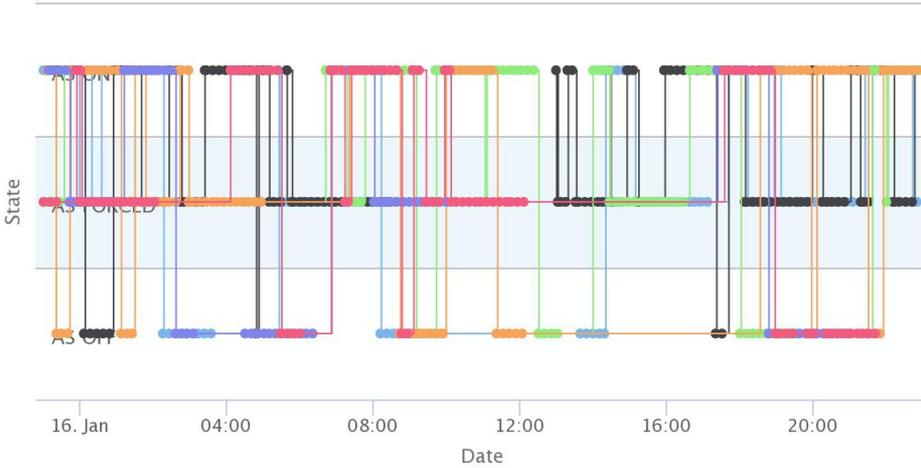
Amberg prevents unnecessary energy loss due to opened doors...

and encourages behavioral change among employees



Sensors on doors (wireless)
Controllers at heaters (wireless)
User interface for employees
Data collection

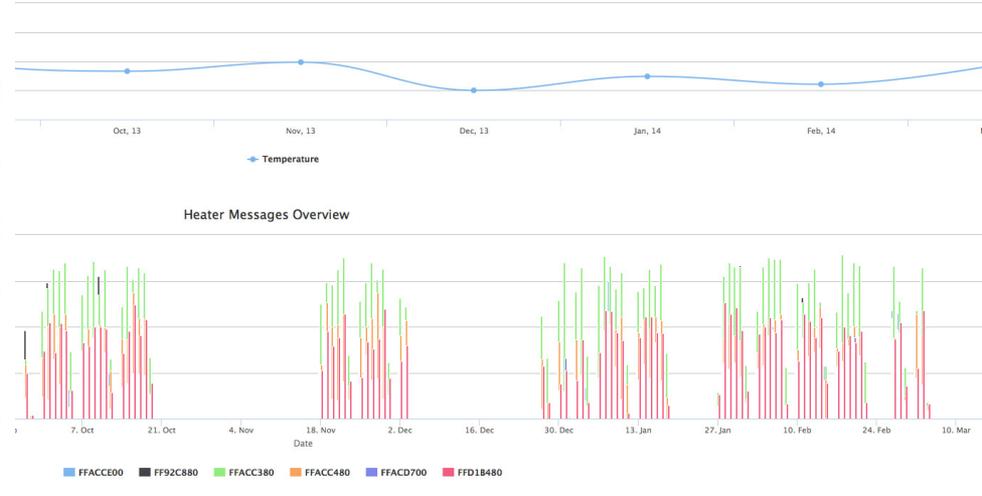
Time Heater State



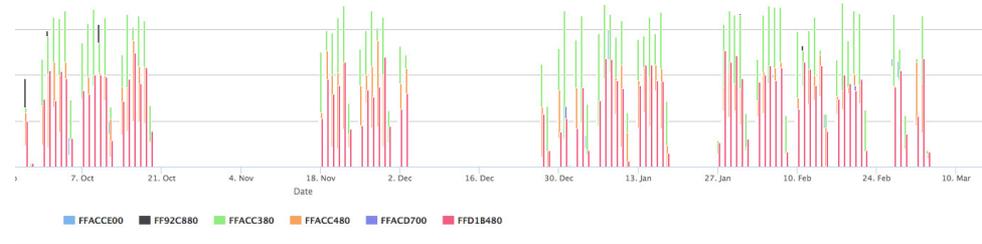
FF92C880 FFACC380 FFACC480 FFACCE00 FFACD700

Monthly Average Temperature

Based on sensor data. (Latest Data.)



Heater Messages Overview



45,935
Amount Heater Records

Data-analysis

*energy and usage monitoring
process optimisation
scheduling of docks
facility management*



6,000 m²



500 m²

ALPHATRON

1,100 m²



Delft University of Technology

4 years of field test
1 year of research at TU Delft



Benefits

1. Energy savings
.... up to 28%
2. Plug & play
3. No structural facilities required
4. No permissions required
5. Changing behaviors



Amberg

INDUSTRIAL



business development

Arjen Baan

product development

Marcel Vroom M.Sc

electronics development

Roland van Straten

energy & process consultancy

Renate van Drimmelen M.Sc

marketing communications

Anneke van Dijk B.BA

Start saving energy today!

Information and ordering
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