

## Case study

# IKEA — A Swedish multinational company optimizes energy consumption with eTactica



## IKEA

IKEA is a Sweden-based multinational group that designs and sells ready-to-assemble furniture, kitchen appliances, and home accessories — and occasionally home-related services. IKEA has been the world's largest furniture retailer since 2008.

**The decline in lighting costs over a 4 month period after implementing an eTactica EMS was 10%.** Asset monitoring proved essential for costs relating to everything from energy consumption to supply chain management.



## The challenge

Every IKEA facility is large with substantial lighting, HVAC, heating and other energy consuming systems — consuming around 1 MW. Maintaining energy efficiency throughout one store, much less across the enterprise, is paramount for any retail-chain's P&Ls

IKEA needed to make its company financially healthier any way possible. Saving on energy consumption costs was paramount. Implementation of eTactica's EMS helped them quickly save money against any additional costs during the recession in Iceland.

## The solution

eTactica installed their components in three cabinets right down to the branch level in the Reykjavik IKEA

### Cost reduction and energy saving

- eTactica's EMS delivered actionable measures for IKEA to reduce costs in high consumption categories like lighting and air conditioning
- After eTactica's initial audit and analysis, IKEA realised there were considerable energy mismanagement workflows within their facilities. IKEA remedied these inefficiencies by optimizing workplace policies and internal workflows — significantly reducing energy costs

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## Cost reduction and energy saving

- By ensuring that lighting usage was optimized in non-production and non-essential areas of facilities, IKEA was able to further reduce energy related costs
- Learning about their facility's energy consumption habits with eTactica's EMS enabled IKEA to take more informed energy-saving actions

- Displays at any IKEA store are regularly rearranged. eTactica's solution was used to verify that new arrangements do not cause overloads on any breaker
- IKEA learned that risk awareness can help mitigate and prevent machine failure and malfunction

## Asset monitoring & asset security

- Active measures taken from eTactica's findings to reduce electricity costs later became preventative measures by incorporating asset monitoring.

## The results

The overall decline in lighting costs over a 4 month period after installation was 10%.

10%

Cost decrease on lighting costs



“ The eTactica system continuously provides us with new information to make it possible for us to track energy trends in detail and make measurable energy savings.”

Thorarinn Aevarsson, CEO IKEA Iceland



## About eTactica

eTactica is an Icelandic company that specialises in helping organisations measure and optimize their electrical energy consumption costs with the application of an intelligent energy monitoring solution.