



EXCELLENCE IN ENERGY MANAGEMENT



one company › a world of innovation

About Molex Singapore

Molex delivers electronic solutions to customers worldwide, offering a full suite of solutions and services for many markets. Its Singapore manufacturing plant at Jurong is a fully-integrated facility with capabilities that include product design and development, automated assembly, high precision tooling fabrication, a chemical laboratory, a high speed signal integrity laboratory and a warehouse.

Energy Management in Molex Singapore

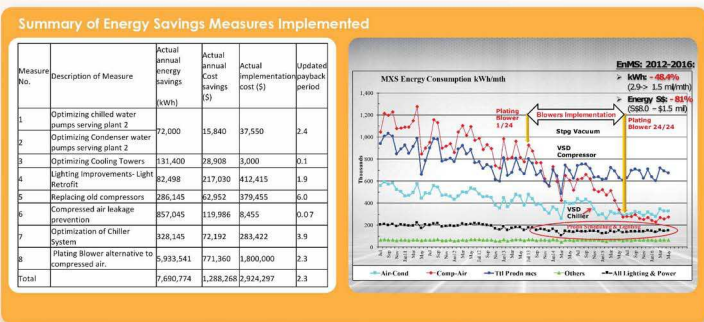
Molex's Energy Management System (EnMS) takes guidance from the ISO 50001 framework and Koch's Energy Best Practices. Molex has strong top leadership commitment to improve energy efficiency (EE), a clearly defined vision and energy policy, and a cross-functional energy management team consisting of various process owners and subject matter experts. The team drives all of Molex's energy saving initiatives with the goal of reducing its energy intensity, i.e. energy use per \$ manufacturing output, by 15% from 2013 to 2018.

To increase their capabilities in EE, the team actively participates in both external and internal EE-related training. Some examples include SCEM courses, EENP learning events, inter-entities share and learn conferences and Koch Knowledge Success Story SharePoint.

To encourage employee engagement and promote EE awareness, EE success stories and achievements are recognised and promoted within and across entities globally through regular communications and formal recognition programs. Exceptional achievements in energy management on a global level are also recognised at the biennial Energy Conference in USA. Site energy improvement initiatives, experiences and lessons are shared among employees throughout Molex entities through their Global Lean Six Sigma (GLSS) PowerSteering database and quarterly Corporate Energy Management Advisory Team meetings.

Achievements

Molex's energy improvement initiatives are identified, monitored, tracked on a monthly basis and shared globally using its PowerSteering software system. By actively engaging the process owners, the team was able to identify and subsequently complete a total of 8 key EE improvement projects, yielding energy savings of about 7.7 GWh/year, or energy cost savings of about \$1.29 mil/year.



Since embarking on its EE journey, Molex's successful implementation of its EnMS and energy improvement measures have helped it reduce its energy consumption by about 48% and improve its energy intensity by 41%, from 2012 levels.

Molex's program has led to a consistent track record in EE improvements (more than 10% year-on-year improvement over the last 5 years), resulting in the achievement of its corporate 5-year goal ahead of schedule. Regardless, Molex Singapore will continue to strive to achieve a year-on-year improvement for 2016-2018.

