

Energy optimization with documented effect

Pla-Mek® took over the building in October 2014, and the following year we became part of Tafjord EnergiArena – an initiative that gives companies access to neutral and professional expertise in energy use. Through this collaboration, we have received support from both Møre og Romsdal County and Enova, and started a targeted ENØK project in 2016 together with Energiråd.

The goal was clear: reduce energy consumption, improve the indoor climate and strengthen sustainability – without compromising quality or operational reliability.

The measures we have taken

Following a thorough review of the premises, we developed a targeted action plan. Here are some of the key measures we implemented – and the savings they delivered.

Measure	Savings
LED lighting in production	191 000 kWh spart
Fixed temperature control on electric boiler (not outdoor-compensated)	35 000 kWh
Three new ventilation systems with heat recovery	576 000 kWh
Building improvements: Additional insulation, LED lighting, heat pump, and new ventilation system	67 000 kWh.
New industrial doors and solar shading	Improved insulation and reduced cooling demand
KNX control of lighting and ventilation in office areas	56 000 kWh
Demand-controlled ventilation in locker rooms and restrooms	15 000 kWh
Sealing air leaks in compressed air system	18 000 kWh
Replacement with more energy-efficient machinery	392 000 kWh
Energy monitoring (theoretical estimate)	130 000 kWh
Insulation of machine cylinders	92 000 kWh