



Modern CHP system cuts costs at dairy farm

DAIRY PROCESSING PLANT IN AUSTRALIA INCREASES ENERGY SELF-SUFFICIENCY THANKS TO AVUS 1500B



A modern CHP plant was successfully commissioned at a rural milk processing plant in the Australian state of Victoria. In collaboration with Evo Energy Technologies we have supplied and commissioned a 1.5 MW combined heat and power plant to a regional Australian dairy processing plant. The system is now operational and represents a key step toward reducing energy costs and supporting the facility's broader sustainability goals.

CHP plant reduces energy costs and increases energy self-sufficiency in milk processing

The CHP system is expected to generate ongoing revenue through Victorian Energy Efficiency Certificates (VEECs) and is projected to contribute to an estimated 15% reduction in annual utility costs. Early modelling indicates the potential to achieve up to 94% on-site energy self-sufficiency and a 40% reduction in CO₂ emissions, subject to operating conditions over time.

Tailor-made energy solution for maximum resilience and savings

This recommendation followed detailed site analysis, with energy data and heat profiles carefully reviewed to ensure the 1.5MW CHP unit could be effectively integrated into site operations. The project was designed to align output with demand, with the goal of improving energy resilience and unlocking long-term savings. The system is also biogas-ready, with plans to utilise gas from an on-site digester in the future. This next step is expected to further strengthen sustainability outcomes and create additional opportunities for cost and emissions reduction.



Australian Consolidated Milk

www.australianconsolidatedmilk.com.au

avus 1500b

Natural gas

1561 kW electrical

1537 kW thermal

