



Keeping the Cold Chain Moving – Efficiently and Sustainably

AUTOMATED WAREHOUSE AND COLD CHAIN LOGISTICS COMPANY RELIES ON REGENERATIVE ENERGY

Our partner Evo Energy Technologies has been awarded the EPC contract for a 1 MW natural gas cogeneration system at NewCold's advanced cold storage facility in Truganina, VIC. The high efficiency system provided by 2G Energy will support on-site energy generation with built-in capacity for trigeneration, offering future sub zero cooling through an ammonia absorption chiller. NewCold is a global leader in advanced cold chain logistics, operating state-of-the-art cold storage facilities for food and pharmaceutical supply chains. At its Truganina facility in Victoria, Evo Energy Technologies and 2G Energy are delivering an avus 1000plus to reduce emissions, enhance resilience, and support the site's growing energy demands.

The installed system will generate on-site electricity and thermal energy using natural gas, significantly cutting reliance on the grid. In a proposed second stage, an ammonia absorption chiller will be added to provide sub-zero cooling, completing a full trigeneration setup. This will allow NewCold to produce electricity, heating, and cooling from a single fuel source, maximising efficiency and sustainability. With a total system efficiency of 87.7%, the

solution is expected to reduce carbon emissions by more than 2,200 tons per year. The plant is also future-ready, with the flexibility to operate on alternative fuels such as Biomethane, LNG, or Hydrogen as they become commercially viable.

This project highlights NewCold's commitment to sustainable innovation in cold storage and reinforces 2G's and Evo Energy Technologies' roles in delivering next-generation energy systems across critical infrastructure sectors.



NewCold

<https://www.newcold.com/>

avus 1000plus

Natural gas

1035 kW electric

1052 kW thermal

