

# Penske Powers Perfection Glasshouse

<b>CUSTOMER</b>	Perfection Glasshouse
<b>LOCATION</b>	Two Wells, South Australia
<b>DESCRIPTION</b>	Penske Australia supplied, installed, and commissioned combined heat and power systems to provide heat and power to the greenhouses and supporting buildings.
<b>OPERATIONAL DATE</b>	2018



Perfection's tomato glasshouse in Two Wells, approximately 40 kilometres north of Adelaide, is the largest in Australia, with a site spread over 35 hectares.

Penske Australia supplied, installed, and commissioned combined heat and power systems to provide heat and power to the greenhouses and supporting buildings.

## CONFIGURATION

Penske Australia was engaged to supply, install, and commission two combined heat and power (CHP) systems utilising a pair of MTU 16V4000L32 engines, each with an electrical output of 1,560 kW and a thermal output of 916 kW, providing an operational efficiency of up to 88.3%.

The CHP systems will provide heat and power to the greenhouses, supporting buildings, pack houses, and stores. In addition, Perfection will export excess power to the electricity grid.

The customer will also utilise the engines' exhaust gases (CO<sub>2</sub>) to stimulate plant growth. The exhaust gas is passed through a scrubber, and be cooled before it is pumped into the glasshouses.

The first installation of its kind in Australia, the reliability and performance of the MTU products were paramount in the success of this installation.

## MODEL SPECIFICATION

2 x MTU 16V4000L32 engines.

**For more information contact our  
Energy Solutions team on 1300 688 338.**



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