

Case Study 17

Industrial Chiller System for Mineral Sands Industry

3600 kW cooling system



OBJECTIVES

- Get their process running to capacity.
- Get it running now.

INTRODUCTION

A large mineral sands refinery was running well below capacity. Inadequate cooling power was to blame. They needed a solution now.

Control and Thermal Engineering's extensive experience in process cooling systems enabled them to find a prompt solution.

There was no time to build the chillers of the size required. CTE quickly located two cooling modules in Houston, Texas. The two units would run together in normal conditions, or stand-alone if maintenance was needed.

The two units weighed over 8000kg each, one was put on a plane and flown to Melbourne, being the nearest airport with adequate unloading facilities. The other was shipped. The first was then trucked from Melbourne Airport to site with a small delay due to flooding in central Australia.

Meanwhile, CTE was busy designing and constructing the on-site modifications needed for installation.

Even with the large distances involved and complications of flooding and on-site modifications, the first unit was up and running in 5 weeks with the second unit running some weeks later.

The client was pleased with the outcome and they increased their process further and ordered another unit some months later.

For more information about our services and products contact:

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