

# Summit Matsu Chillers

## Project Success Story

**Client:**  
**Verbit**

### Project Overview:

Verbit provides corporate grade IT services to small and medium businesses, as well as Enterprise customers. With a recent expansion to services Verbit installed the first Hewlett Packard POD (Performance Optimised Datacentre) in Australia. The new data centre in Wyong, on the NSW central coast was constructed using the Hewlett Packard containerised data centre together with chillers, water pumps, buffer tanks, UPS, generators and CRAC units.

### Design Brief:

A chiller system was required that offered entry level size chillers, pumps and a thermal buffer tank. Full redundancy was required so that in the event of a single component failure the system would continue to operate. Because of their business park location the system footprint was required to be small, and a modular design was preferred to allow for future expansion.

### Environment:

Warm and humid to cold and wet conditions.

### Solution:

2 x high efficiency air cooled chillers were supplied on a common skid. The modular chiller design allowed for completely independent circuits for both the refrigeration and water systems. Separate mains/UPS power connections allowed for uninterrupted controller operation in the event of chiller failure. Controls supplied included Modbus high level interface. A pump and tank was supplied on a separate skid to allow flexibility of installation, with the controls on the pumps linked to chillers on a read/log arrangement to equalise long term run hours.

### Company Summary info:

Summit Matsu Chillers supplies world class industrial chillers for for all kinds of industrial and commercial applications.

Summit Matsu Chillers designs, engineers and builds these units in Alexandria, Sydney, using only the highest quality parts and most energy efficient components available. Assembled by highly skilled engineers and tradespeople these units are built to withstand the rigorous and demanding conditions that are a feature of the Australian environment.

Summit Matsu Chillers has 50 years of specialist chiller experience giving the company the depth of knowledge to solve any problem quickly and provide the cooling solution a client needs.

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Chiller and buffer tank in factory



Buffer tank and chiller unit on site in Wyong

