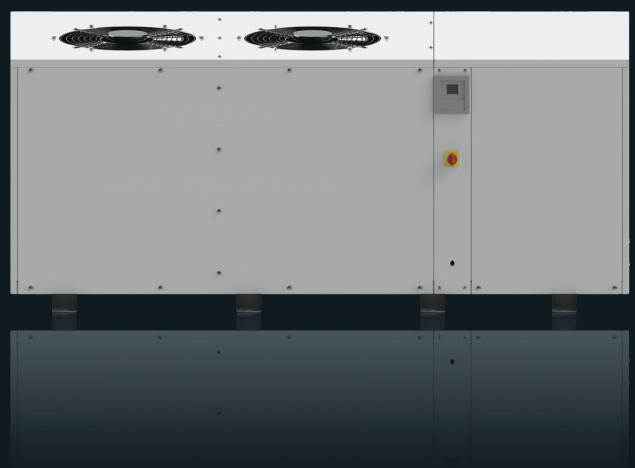


USER REPORT // BITZER AUSTRALIA

MELBOURNE MARKET PROJECT

IN PARTNERSHIP WITH COOL DYNAMICS



BITZER TRUSTED TO HELP COOL MELBOURNE'S MASSIVE MARKET

Melbourne's new market project at Epping was a Government initiative to revamp the old markets at Footscray. The warehousing is equivalent in length to 1.2 kilometres or 5 Melbourne city blocks, making it the largest warehousing precinct of any central market in Australia.

More than 4,000 businesses use the market as a base, buying and selling fresh produce in the early hours of the morning for distribution across Victoria and Australia. In addition, over 1,800 individual fruit and vegetable buyers, representing independent greengrocers, supermarkets, restaurants and food processors, source their produce direct from the market, with many more receiving daily deliveries and consignments.

This project was a collaboration with the private sector that saw an initial build of around 72,000 square metres of warehousing constructed to meet the growing needs of more than 100 wholesalers, growers and retailers. This new market will better position Victoria's \$2 - \$3.5 billion fresh produce industry to secure a greater share of the national market and further develop export markets.

The scope of this project demanded that the refrigeration equipment installed throughout the market be reliable and of extremely high quality.

Although a centralized chiller plant was installed to service the tenants with a common glycol system, BITZER Australia provided equipment for this project through several contractors working in the marketplace, including some major equipment supply facilitated by Cool Dynamics.

BITZER supplied a total of 75 individual pieces of equipment to Cool Dynamics including:

- 6 x BITZER rack systems;
- 8 x LCS condensing units;
- 8 x Evolution Standard and Premium packages coupled with;
- 30 x BUFFALO TRIDENT BBM evaporators, both standard and Glycol, and;
- 8 x BUFFAO TRIDENT LDH-D condensers.



High humidity cool rooms for optimum fresh produce storage



LCS outdoor condensing units

In addition to the BUFFALO TRIDENT BBM coils, many of the cool rooms were chilled by Cool Dynamics' own brand 'Humicool' high humidity boxes which were fitted with 15 x BUFFALO TRIDENT custom designed coils and run off the BITZER rack systems.

Cool Dynamics connected variable speed drives to run the evaporator fans and used EC condenser motors, giving them complete control of the temperature and humidity requirements of each room. The setup also provided a low noise environment.

The product range in the cool rooms includes sensitive produce such as bananas, mangoes, grapes, oranges, avocados and pomegranates.

Project contacts:

Geoff Edkins, BITZER Australia



Condensers mounted above rack plant room



"BITZER SUPPLIED 75 INDIVIDUAL PIECES OF EQUIPMENT TO COOL DYNAMICS FOR THIS HUGE PROJECT."



An aerial view reveals the true size of the market



Evolution units were the condensing unit of choice



BITZER's custom designed rack systems



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