

# Bangsar Village

## Bangsar Baru, Kuala Lumpur

### Project Overview

Opened in 2004, Bangsar Village is a boutique shopping mall situated in the heart of Bangsar, an affluent suburb popular with urbanites and the expatriate community alike. The complex is home to over 110,000 square feet of upscale retail shops, trendy boutiques, specialty services, and nifty cafes and restaurants. The twin-building mall is owned by Eng Lian Enterprise Sdn. Bhd.

### Project Challenge & Our Involvement

The evolution of the mall through refurbishments and extensions has raised the owner's expectations of thermal comfort in helping to create a sophisticated shopping environment. For that reason, the comfort-control systems have to be highly energy efficient, versatile and reliable with varying usage and weather conditions. By carefully assessing the owner's needs in relation to their strategic business objectives and past practices, we were able to develop meaningful alternatives that could cut through the tangle to deliver desired outcomes. This eventually led the owner to contract with us to supply and install new cooling systems for the mall's transformation projects.

### Project Offerings

The core value that we have delivered for the project derives from the following features of the new climate-control solutions:

- Hybrid-cooled or evaporative-condensing chiller systems for boosting the cooling of internal spaces
- Evaporative "swamp" coolers for targeted cooling of patrons of alfresco dining areas
- Fully-integrated direct digital controls (DDC) for chiller systems
- Best design practices



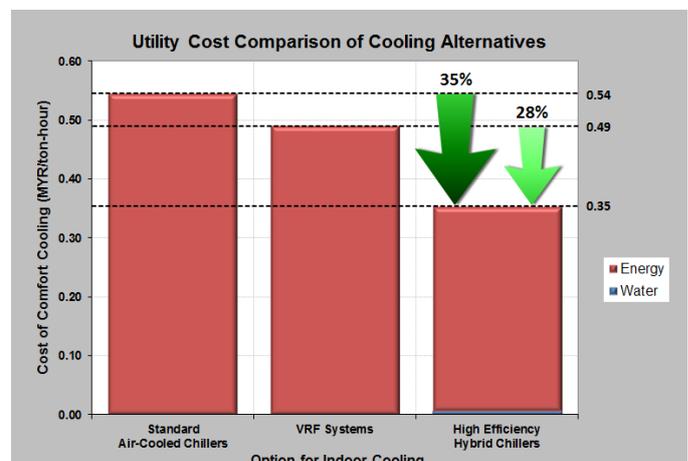
### Project Outcomes

The use of hybrid-cooled chillers in lieu of conventional air-cooled options to augment building-interior cooling has delivered the following benefits:

- Operating cost savings as high as 35% against a backdrop of similar maintenance requirements.



- Extends reliability and longevity for hot-weather operation due enhanced heat-rejection capability.
- Improves environmental quality and hence, overall customer experience through quieter operation.
- Conserves room for growth to support future mall expansion plans as a result of smaller footprint.
- Eases strain on electrical infrastructure to meet post-makeover demands by reducing power draw.



Genuine cooling of customers seated outdoors has been successfully achieved using the swamp coolers. All in all, evaporative cooling has contributed to

- Making alfresco dining a more pleasant and leisurely experience, even on the hottest days.
- Driving footfall to remodeled sections of the mall by expanding their appeal to patrons.

This achievement is made more remarkable owing to the simplicity, economy and minimal maintenance needs of cooling powered by evaporation of city water.

### Project Distinctions

The rejuvenation of Bangsar Village has been perfectly complemented by an insightful approach to adding cooling capacity. The rewards thus reaped would add greater depth to the change efforts undertaken by Eng Lian Enterprise Sdn. Bhd. to ensure that the mall continues to thrive in a rapidly evolving retail market.