

### Case Study



 Singapore

Company / Project  
**IKEA SINGAPORE**

Applications  
HVAC

Global sales, service &  
application support network  
in over 80 countries

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### Optidrive HVAC cuts both energy costs and noise

Inverter Drives Far East has recently completed a HVAC upgrade for IKEA Singapore as part of an extensive energy saving and noise reduction programme.

The installation, covering both the building and car park at the Alexandra store, began with a comprehensive audit of the existing motor control system to identify the most suitable option for the client.

Inverter recommended that the existing Star-Delta starters were replaced with Optidrive HVAC variable speed drives to reduce the amount of energy being used and to significantly lower the noise of the motors used to control fans.

In total, 46 Optidrive HVACs were installed including a number of IP55 units which have been directly mounted on to the wall without the need for any secondary enclosure.

The project also included an upgrade of the central motor control and monitoring system. **Regional Director, Henry Beh**, says, "We were approached by one of our existing clients to provide technical support and products for the IKEA upgrade based on their previous experience of working with us."

"We are pleased to report that the project has been very successful and the Alexandra store has reported significant reductions in both energy usage and external and internal noise following completion of the installation."

Optidrive HVAC was developed to address specific application issues in building services automation. **Technical Manager, Kes Beech**, says, "We identified a number of issues in building automation services that could be addressed by developing the core technology used in our existing products to provide customers in this sector with complete control of their environment."

Optidrive VSDs can be used in a wide range of building automation applications – find out more by visiting our Building Services pages.

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