

Media Release

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Optidrive ensures Asian Games success at athletes' village

With more than 20,000 people, including 14,000 athletes and officials, residing at the Asian Games in Jakarta, Malaysia, it was imperative a constant flow of water reached all floors and apartments of the seven high-rise accommodation blocks in the athletes' village.

Organisers of the 2018 Games wanted to ensure the water supply to each and every apartment in the accommodation blocks at Kemayoran, Jakarta had a constant supply during peak periods.

Invertek Drives Malaysia, working with system integrator DSC Engineering, installed and commissioned 4 units of Optidrive E3 IP66 variable frequency drives within the water pumping stations in the basement of each apartment to provide a solution.

The E3 VFDs would be controlling 4kW pumps.

“With potentially so many people accessing the water supply at peak periods before and after the daily games, the organisers were worried the supply wouldn't be able to cope, particularly at the upper-storey levels of the accommodation blocks that rise above 10 floors,” said Khairul Azhari of Invertek Drives Malaysia.

“The key was to ensure not only a constant water supply, but an efficient one, particularly as in the long-term the apartments would be sold for private residential accommodation, meaning an energy and cost efficient long-term solution was required.

“At peak periods all pumps in the accommodation blocks would need to be operational, while at the quieter times the numbers could be reduced, saving energy as well as wear and tear on the system.”

In addition to the pumps in the basement, pumps were installed at level 10 to boost the water supply up to the upper and roof-top levels.

“It was good to see Invertek's variable speed drive technology playing a significant, if unseen part in the historic Asian Games,” added Khairul.

Following the Games in August 2018 the apartments were used for the Asian Paralympic Games and were then placed for sale as private accommodation.

More details about the Optidrive VFD range can be found at www.invertek.com.

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For more media information, contact:

Owain Betts, t: +44 (0)1938 55 68 68 m: +44 (0)7787 437 052

E: Owain.Betts@invertek.co.uk

www.invertekdrives.com

Notes to the Editor

Invertek Drives

Invertek Drives Ltd is dedicated to the design, manufacture and marketing of electronic variable frequency drives for controlling electric motors.

The state of the art UK headquarters houses specialist facilities for research & development, manufacturing and global marketing. All operations, including research and development, are accredited to the exacting customer focused ISO 9001:2008 quality standard whilst its Environmental Management System is accredited to the ISO 14001:2004 quality standard.

Invertek's products are sold globally by a network of specialist distributors in over 80 different countries. Invertek Drives unique and innovative Optidrive range is designed for ease of use and meets with recognised international design standards for CE (Europe), UL (USA) and CTick (Australia). More details can be found by visiting www.invertekdrives.com.