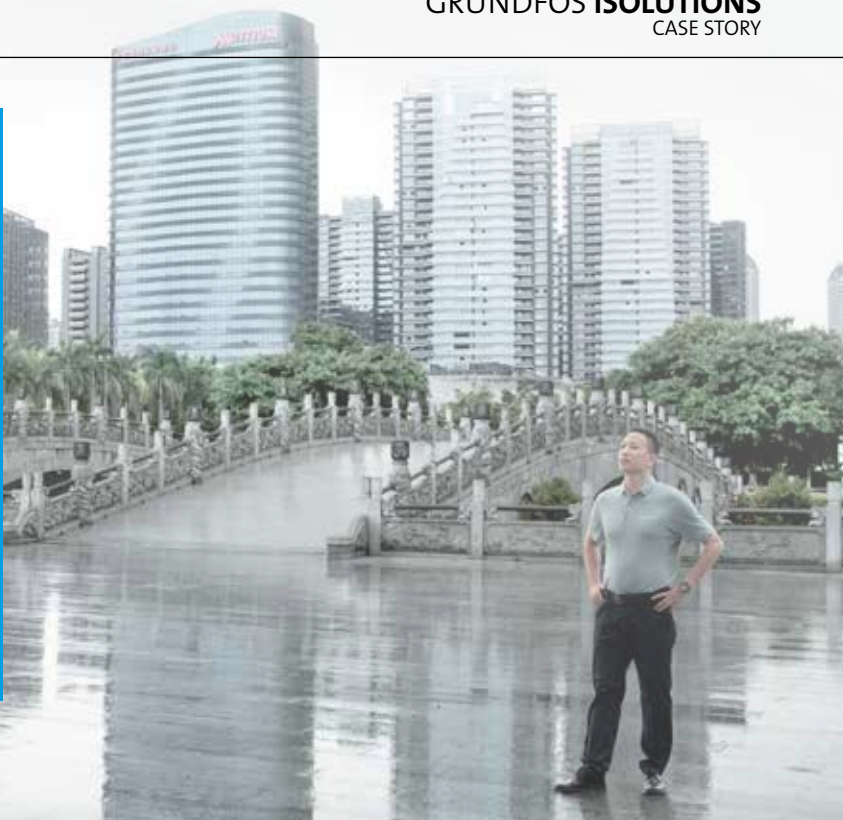


PRESSURE BOOSTING:

# LUXURY HOTEL CUTS ENERGY IN HALF AND KEEPS COMFORT AT 100%

GRUNDFOS iSOLUTIONS



## MIDEA MARRIOT HOTEL

### FIND OUT HOW A FIVE-STAR HOTEL IN CHINA CAN REDUCE ITS ENERGY CONSUMPTION BY HALF AND KEEP COMFORT AT 100% WITH INTELLIGENT PUMP SOLUTIONS

In 2011, the Midea Group headquarters in Shunde, southern China, looked to Grundfos to solve its pumping problems, including high electricity costs and noise. Grundfos immediately cut the building's running costs in half. Midea was so impressed it turned to Grundfos again for its first hotel investment – the five-star Midea Marriot Hotel in Shunde. The 28-floor, 258-room hotel chose energy-efficient Grundfos pumps for all its HVAC, water boosting and boiler systems. For hot- and cold-water booster systems,

Grundfos needs only one set, while other brands typically need two separate sets. This has allowed the hotel to halve its energy consumption while maintaining optimum comfort.

**UP TO 50%**  
ENERGY SAVINGS

 **MAXIMISED RELIABILITY**

 **FULL CONTROL**



#### NEW SYSTEM

The hotel chose intelligent Grundfos solutions for all its HVAC, boosting and pumping equipment. This included Hydro-MPC and Hydro Multi-E booster pumps, which deliver constant pressure to meet the hotel's changing flow demand. The solution also included Hydro Multi-E booster pumps and CME multistage pumps, featuring high-efficiency IE5-rated MGE motors that have helped the hotel halve its energy bill.



Trademarks displayed in this material, including but not limited to Grundfos, the Grundfos logo and "be think innovate" are registered trademarks owned by The Grundfos Group. All rights reserved. © 2019 Grundfos Holding A/S. All rights reserved.

## OUTCOME

- **INTELLIGENT GRUNDFOS SOLUTIONS IMMEDIATELY SAVED 50% ENERGY**
- **THE INTELLIGENT PUMP SYSTEM CONSTANTLY ADAPTS TO THE HOTEL'S WATER DEMAND**
- **HIGH USER COMFORT WITH NO IMBALANCE OF HOT AND COLD WATER**
- **SOLUTION HAS HELPED DRIVE DOWN LIFE-CYCLE COSTS AND NOISE LEVELS**

### A MAINTENANCE-FREE SOLUTION

Li Da is Chief Engineer for the Midea Marriot Hotel. According to Da, Grundfos pumps – especially the E-pumps – have the advantage of great stability and low repair rates. “We are aware that the customer would like to experience the best by choosing Marriott,” explains Da. “Our customers say we do not have the imbalance of hot and cold water like other hotels. This is due to the Grundfos pumps. Grundfos would be my first choice of pumps for any new projects.”

*“Grundfos pumps – especially the E-pumps – have the advantage of great stability and low repair rate”*

**Li Da**  
Chief Engineer,  
Midea Marriot Hotel

Read the full Grundfos case story  
at [grundfos.com/cases](http://grundfos.com/cases)

