

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

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Li Da, Chief Engineer of
Midea Marriott Hotel, Shunde, China



THE SITUATION

To understand why Midea uses Grundfos pumps in its 5-star Marriott hotel in Shunde, China, we must go back to when the Fortune 500 company was not using Grundfos pumps in its buildings.

In 2010, Midea renovated its headquarters in Shunde, China. The company used another brand of pumps. By 2011, high electricity costs, noise and other problems from those pumps encouraged the owners to look for a better solution. They installed Grundfos HVAC and booster pumps, which immediately cut their running costs in half. Midea was impressed. They began specifying Grundfos for other buildings. This included the Midea Marriott Hotel in Shunde.

THE SOLUTION

The 28-floor, 258-room Midea Marriott Hotel opened in 2014. It has two HVAC technical rooms, two rooms for water boosting and one boiler room, according to Feng Zhen, the building's Vice Chief Engineer.

All the HVAC, boosting and other pumping equipment are from Grundfos – including iSOLUTIONS. The pump systems' intelligence means that they work optimally, constantly adapting to the hotel's conditions.

“For hot and cold-water booster systems, Grundfos only needs one set, while other brands need two separate sets. This means we could already save half the energy by adopting Grundfos products. We are quite satisfied.”

THE OUTCOME

Chief Engineer of Midea Marriot Hotel Li Da says, “Grundfos pumps – especially the E-pumps – have the advantage of great stability and low repair rate. Since opening in 2014, we have never done any repair work with these pumps. This has saved costs for the hotel.”

He adds, “We are aware that the customer would like to experience the best by choosing Marriott. 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,” says Li Da.

GRUNDFOS iSOLUTIONS AT MIDEA MARRIOTT HOTEL

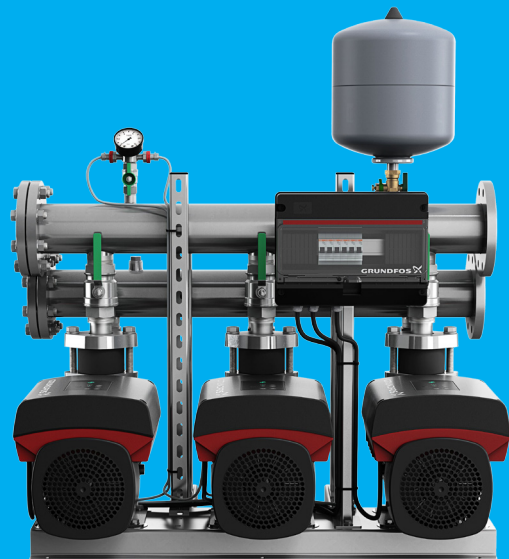


HYDRO-MPC

Hydro-MPC and Hydro Multi-E booster pumps – intelligent cascade control ensures constant pressure from the optimum number of booster pumps for meeting Midea Marriott Hotel’s changing flow demands at any time.

[Hydro-MPC](#)

[Hydro Multi-E](#)



HYDRO MULTI-E

These booster pumps – as well as CME multistage pumps – use MGE IE5 motors, the highest energy efficiency level worldwide for electrical motors. These have helped the Midea Marriott Hotel to save 50% on its electricity bill.

[CME](#)

[MGE IE5 motors](#)

CASE STORY INFO:

Topic: Boosting, secondary water supply and wastewater for 28-floor luxury hotel

Location: Shunde, China

Company: Midea Marriott Hotel



[Watch the case film from the Midea Marriott in Shunde, China](#)



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