



Grundfos solutions power energy savings at a leading Chennai hotel

The Situation

A premier hotel in Chennai, renowned for offering an exceptional stay experience to tourists, families, and business travellers, faced a critical challenge of rising energy costs and an impending pump system replacement.

The hotel's existing water booster system comprised two separate units from an another pump OEM operating continuously 24/7, leading to excessive energy consumption and operational inefficiencies. As the system neared the end of its lifecycle, the hotel sought a more energy-efficient, use-on-demand solution to optimize operations without compromising guest comfort.

Grundfos stepped in with a comprehensive Energy Check. The assessment not only highlighted inefficiencies in the existing setup but also demonstrated the significant energy savings achievable with Grundfos' advanced pumping solutions.

We didn't just offer a product—we delivered a complete solution backed by real-world results. Energy checks gave the customer confidence, and the IE5 motor is already delivering savings

Vimal Raj
Business Developer - Energy Optimization

The Solution

Grundfos' comprehensive assessment provided the customer with a data-backed comparison of their existing setup versus a more sustainable, cost-effective alternative. The findings were compelling: the current system was not only consuming excessive energy but also contributing to unnecessary operational wear and higher maintenance costs.

Grundfos presented a tailor made solution to address the hotel's inefficient water boosting system and energy concerns - with Grundfos Hydro Multi-E system. This advanced booster system was specifically designed to utilize intelligent feedback control, optimizing performance based on actual demand rather than continuous operation. What differentiated Grundfos from the competition was the integration of IE5 motors, the highest efficiency motors in the industry, offering unparalleled energy savings. By demonstrating how these advanced motors could significantly reduce energy consumption and operational expenses, Grundfos successfully positioned itself as the clear choice over other pump OEMs.

A future-ready, use-on-demand system, enabled the hotel to significantly reduce energy costs while maintaining consistent, high-performance water pressure throughout the property. This solution goes beyond a product upgrade; it reaffirms the hotel's dedication to sustainability and operational excellence, thereby enhancing their reputation for delivering an unparalleled guest experience.

GRUNDFOS 

Possibility in every drop



Up to 46%
Energy savings

34.4 ton
Annual CO₂ reduction

The Outcome

With the implementation of Grundfos' state-of-the-art Hydro Multi-E booster sets, the hotel achieved a remarkable improvement in energy efficiency, resulting in a substantial reduction in energy consumption. Utilizing intelligent control and high-efficiency motors, the solution not only delivered substantial cost savings but also had a notable environmental impact by significantly reducing annual CO₂ emissions.

This outcome validated the efficiency and reliability of Grundfos' advanced technology, while reinforcing the hotel's commitment to sustainability and aligning with global energy conservation efforts.

Grundfos Supplied

Hydro Multi E 3 X CRE 15-7 Booster system
Hydro Multi E 4 X CRE 10-6 Booster system
Grundfos energy optimization solutions



Hydro Multi E 3 X CRE 15-7 Booster system



Hydro Multi E 4 X CRE 10-6 Booster system

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