



Energy efficiency transformation at River City Bangkok

The Situation

River City Bangkok, a 30-year-old renowned art gallery in the heart of the city, was facing a challenge. Their aging chiller pumps becoming inefficient, leading to higher energy consumption, increased operating costs and maintenance. The gallery's management aimed to achieve energy savings, enhance system efficiency, and reduce operational expenses while minimizing upfront investments.

The Solution

Recognizing the need for a transformative solution, Grundfos initiated an in-depth energy audit as part of the Grundfos Energy Earnings (GEE) project. We aimed to determine how much energy could be saved if upgraded to new Grundfos pumps.

This comprehensive analysis revealed significant potential for energy savings through pump upgrades. We proposed the installation of six LS 150-125 pumps equipped with IE3 motors and three new overload relays.

The Outcome

After implementation, the results were impressive. The energy consumption was reduced by 29% compared to the previous pumps, alleviating the previous maintenance challenges faced by River City Bangkok. The energy efficiency overhaul also achieved an approximate annual reduction of 47,000 kg CO2 emissions.

"We are impressed with the savings delivered by Grundfos, which has helped us reduce our operational costs significantly."

Linda Cheng
Managing Director of
River City Bangkok

GRUNDFOS 

Possibility in every drop



The improved efficiency and reduced maintenance contributed to seamless and cost-effective operation for River City Bangkok. What set this solution apart was that the project was financed by Grundfos through shared realized savings. This innovative approach allowed the gallery to take steps towards a net-zero operation, aligning with their sustainability goals.

Linda Cheng, Managing Director of River City Bangkok, expressed her satisfaction with the project outcomes, saying, "We are impressed with the savings delivered by Grundfos, which has helped us reduce our operational costs significantly."

Grundfos Energy Earnings (GEE) is not just a project, it's a commitment to sustainability and innovation. By financing projects like the one at River City Bangkok, Grundfos environmental impact, and optimize operations. This case study serves as a testament to the power of collaboration between Grundfos and its partners, making positive strides towards a more energy-efficient future.

Grundfos Supplied

Grundfos supplied six Grundfos LS 150-125 pumps coupled with IE3 motors and three new overload relays.



LS 150-125 pumps



IE3 motors