

GRUNDFOS DISTRIBUTED PUMPING:

SAVING OPERATING COSTS WITH DISTRIBUTED PUMPING



**EASY AND FAST
COMMISSIONING**



**OPTIMISED
DELTA T**

ENERGY SAVINGS OF

40%

SHIVA TEXTILES, INDIA

REVOLUTIONIZING THE CHILLED WATER DISTRIBUTION SCHEME WITH GRUNDFOS DISTRIBUTED PUMPING SYSTEM AT SHIVA TEXTILES, INDIA

Shiva Textiles, is a leading textile retail showroom chain in southern part of India. Expanding to new horizons, the brand recently opened its new showroom in Salem, Tamil Nadu. They have been known for their wide range of ethnic wear and readymade garments, and wanted to provide an unmatched and cutting-edge outlet experience for their customers.

Having an objective to deliver unmatched customer experience and comfort, while keeping the OPEX within limits, Shiva textiles roped in Tropical Consultants, a pioneer with more than 36 years of experience in the HVAC industry for their new retail showroom. Tropical Consultants along with end users got into dialogue with various OEMs to select the most energy efficient chilled water pumping scheme for their project.

THE SOLUTION

To meet the demand for the best energy efficient chilled water pumping scheme, Grundfos proposed the concept of a Distributed Pumping System, a self-balanced chilled water circulation system which uses intelligent circulator pumps with IE5 motors dedicated to each AHU, replacing the energy consuming flow balancing and modulating valves.



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RESULT

Observing Grundfos Distributed Pumping System performance after its installation, both end user and design consultant were very satisfied with the overall energy performance. The operation team at Shiva Textiles were thrilled to use the Grundfos GO Mobile App to monitor and report system performance on their mobile devices. Thus, the Grundfos Distributed Pumping System not only reduced the pumping energy by 40% but also addresses Delta T and improved occupant comfort compared to other conventional variable primary pumping system designs.

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The Grundfos Distributed Pumping Scheme is the most advanced, simplified and efficient chilled water distribution pumping schemes that consume nearly 40% less pumping power as compared to the other pumping schemes available conventionally.”

Mr. Giridaran, Principal Consultant, Tropical Consultants



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