

## CASE STORY

# Know how a Hotel Chain in India Saved Big with Alfa Laval Heat Exchangers!

With Alfa Laval's Plate Heat Exchangers, a major hotel chain in India is able to extract heat and use it for generating hot water, leading to significant energy cost savings. This solution was provided to a renowned hotel in Aurangabad, Maharashtra, with the assistance of our Energy Hunter Authorized Partner, See Tech Solutions Pvt Ltd.

Alfa Laval Plate Heat Exchangers were installed on the chiller as Desuperheaters to generate free hot water by utilizing heat that would otherwise be wasted to the environment. This helped reduce the load on the existing heating network and resulted in significant energy savings. Additionally, it provided extra heat transfer area to the existing condenser, which further saved energy in the chiller by lowering the condensing temperature.

The hotel's existing electricity costs were very high, and a solution was needed to reduce them without disrupting the current infrastructure.

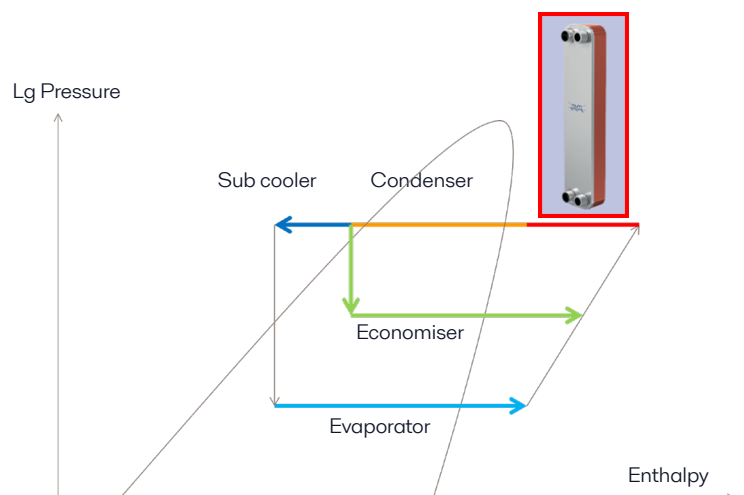
### Benefits of Alfa Laval's Solution

The primary purpose of installing the Desuperheater was to lower the chiller's condensing temperature. Additionally, the heat extracted from the refrigerant was utilized to generate hot water for the hotel, resulting in significant energy savings.

The total ROI for the Desuperheater project was just 2 years.



### Desuperheater






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## Achieving Sustainability Goals with Alfa Laval

This project was part of a sustainability initiative aimed at reducing the energy consumption of various utilities in the hotel.

### Interesting facts in this Case story!

-  Saving 1 kWh of power reduces CO2 emissions by 0.82 kg.
-  Lowering the condensing temperature by 1°C reduces energy consumption by 3%.
-  India is the 3rd largest energy consumer globally.

## About Alfa Laval HVAC Solutions

Alfa Laval offers energy-saving heating solutions for apartments, houses, commercial premises, industrial facilities, and public buildings. Our goal is to optimize conditions, from maintaining comfortably warm indoor environments and pleasant swimming pool temperatures to providing domestic hot water on tap.

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Alfa Laval reserves the right to change specifications without prior notification.

How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at [www.alfalaval.com](http://www.alfalaval.com)

