

A. K. ASSOCIATES



Customer details

- Customer Name – Westin hotel
- Chiller Make – Kirloskar/Daikin
- Total chillers – 2 chillers
- Total cooling capacity – 640 TR

Solutions provided

- Innovative water treatment program-
 - THE WHIRLER
 - Magtreat
 - Copper ion generator
 - Cooling tower chemical treatment
- Chillers covered – 2 chillers
- Installation date – August 2018

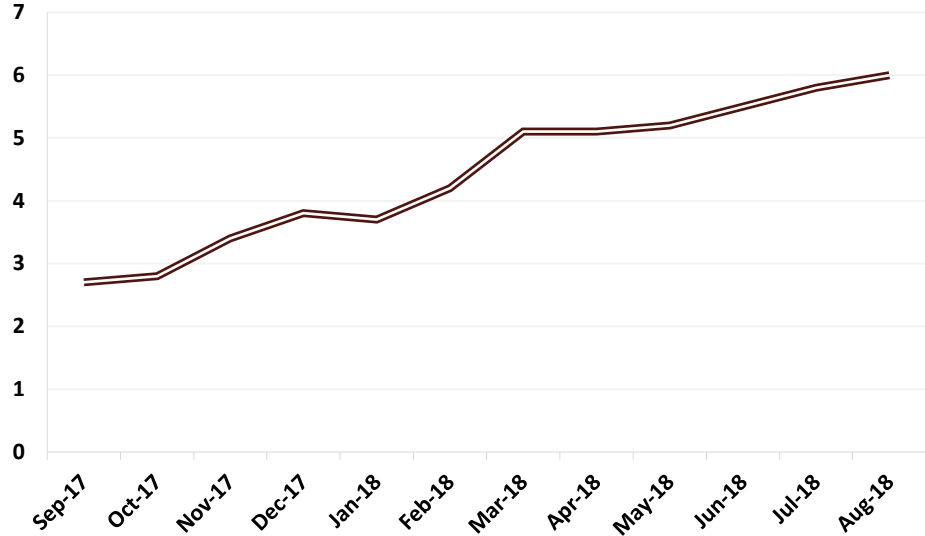
Scenario before installation

- Condenser approach was around 5⁰C for all chillers
- Descaling frequency once in a year.
- STP treated water was in use for cooling towers.
- Customer was facing issues of micro-fouling and scaling in condenser tubes.

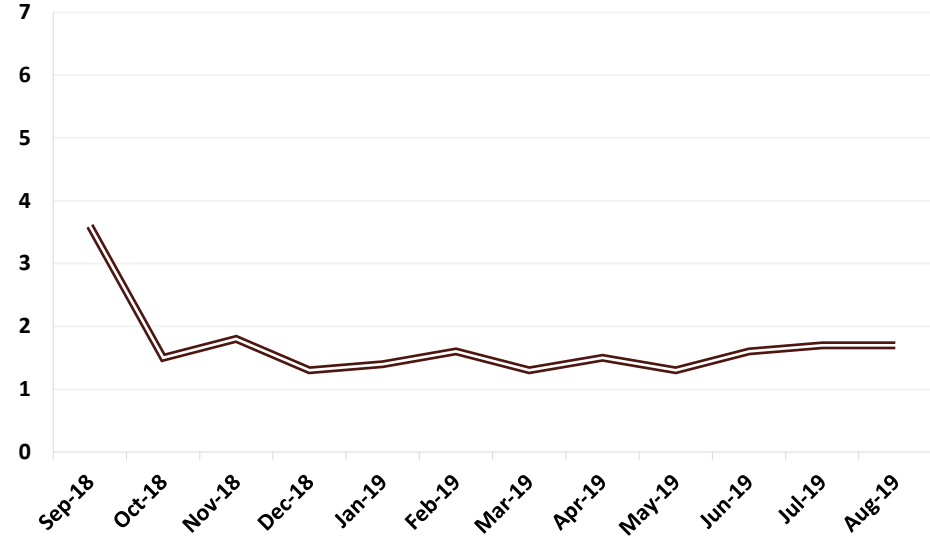
Scenario before installation

- Condenser approach is maintained below 1.5⁰C for all chillers.
- Though STP treated water is in use still there is no issues of micro-fouling and scaling in condenser tubes.
- 102900 kW energy saved in just one year.
- Saved approximately Rs. 12,34,000 within one year.
- ROI achieved within one year.

Condenser approach trend



Condenser approach (°C) before installation



Condenser approach (°C) after installation