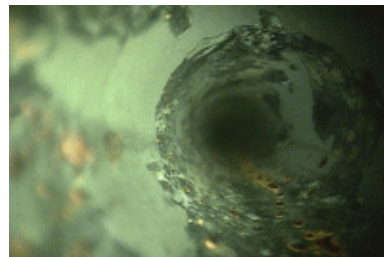
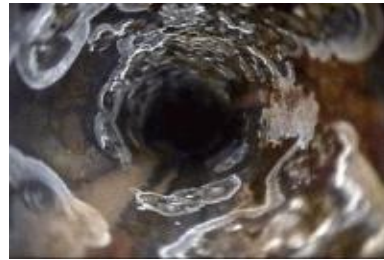
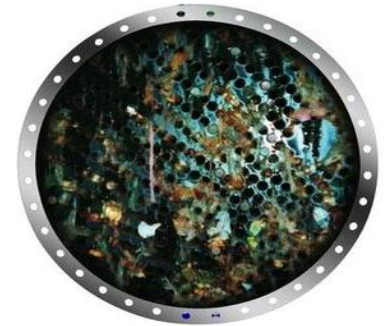
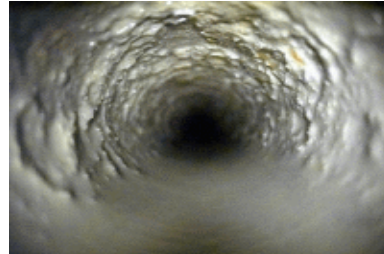
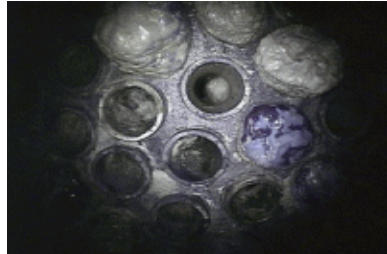


Automatic Tube Cleaning System (ATCS) For Improvement of HVAC Chiller Performance

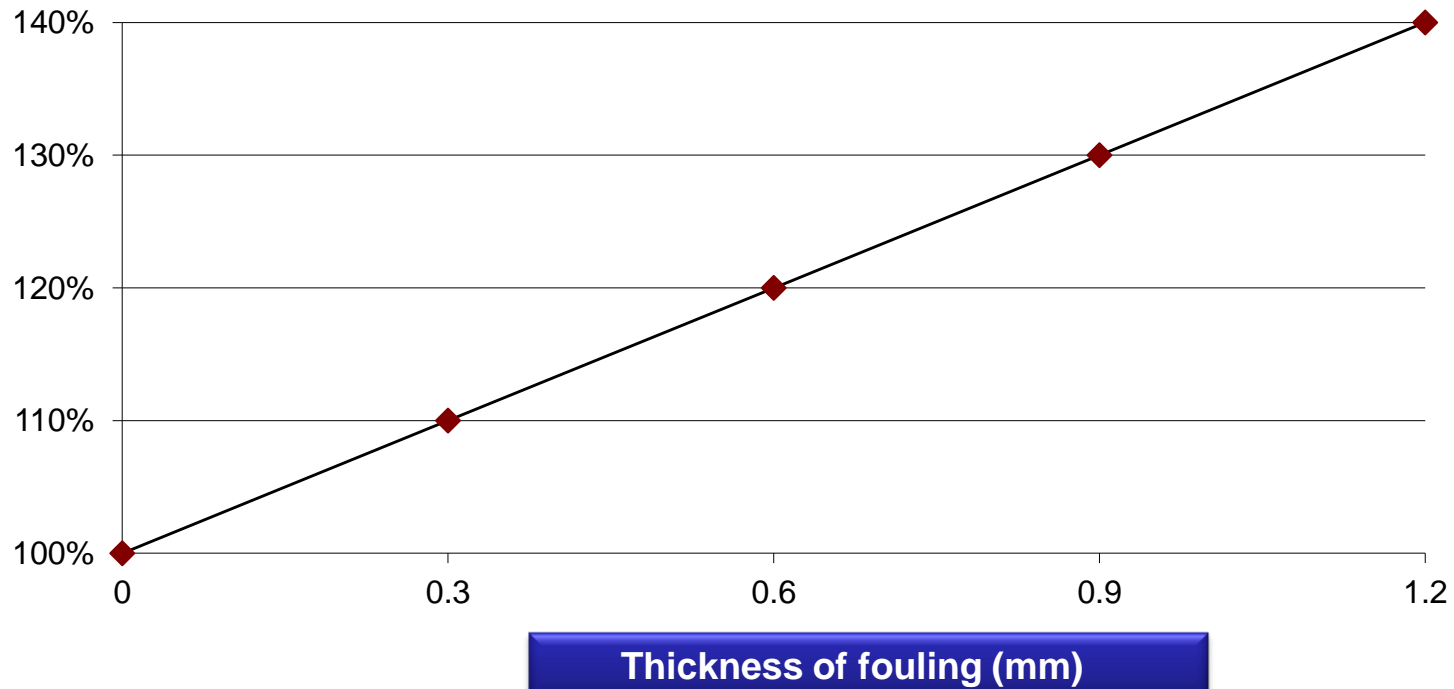


Presentation by
Cleantech Ecosystems Pvt. Ltd.

The Problem:



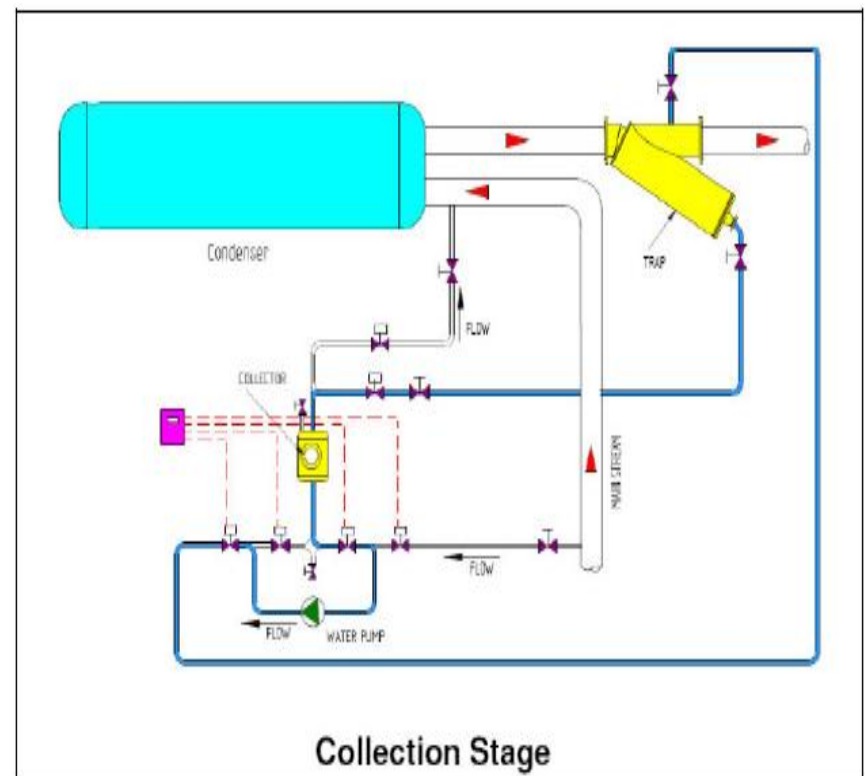
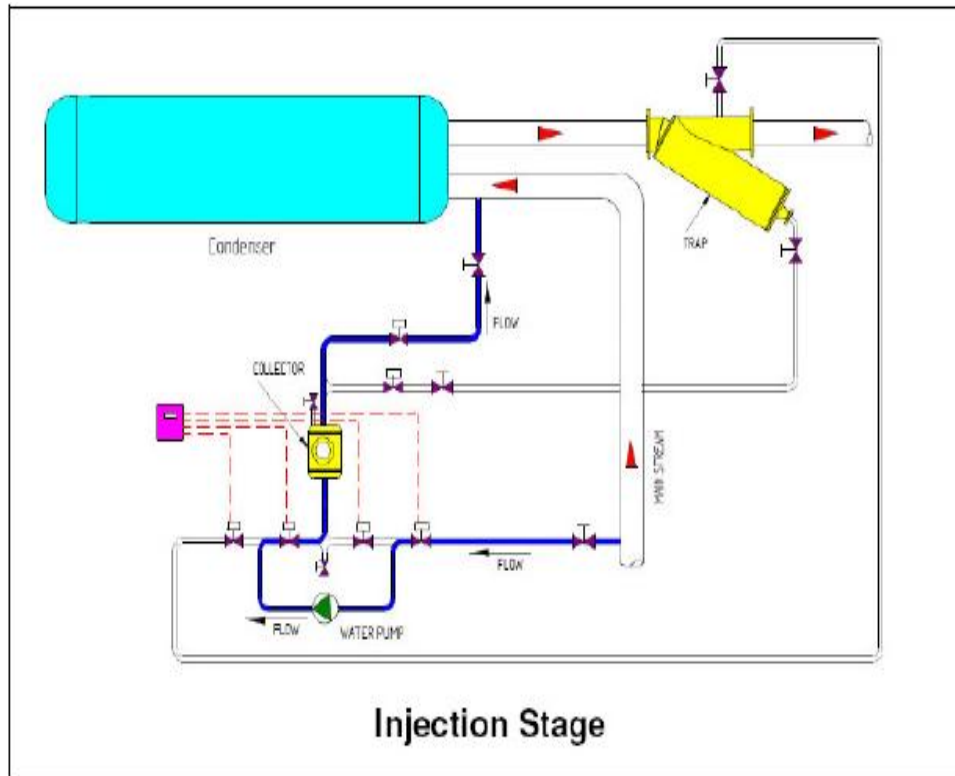
Increase in Energy Consumption:



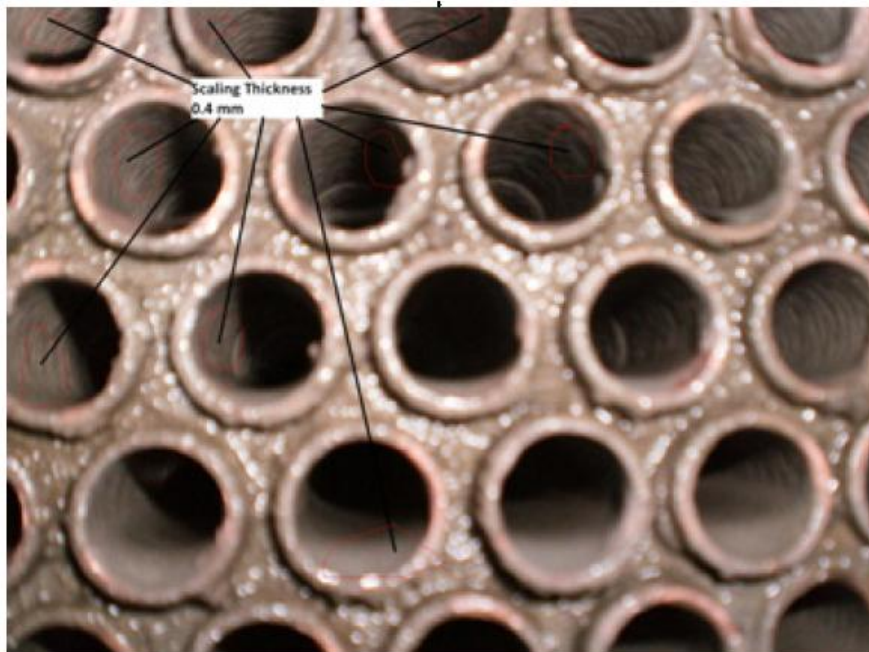
1 mm of fouling accumulation in the condenser tubes increases energy consumption **by 30%**

The Solution

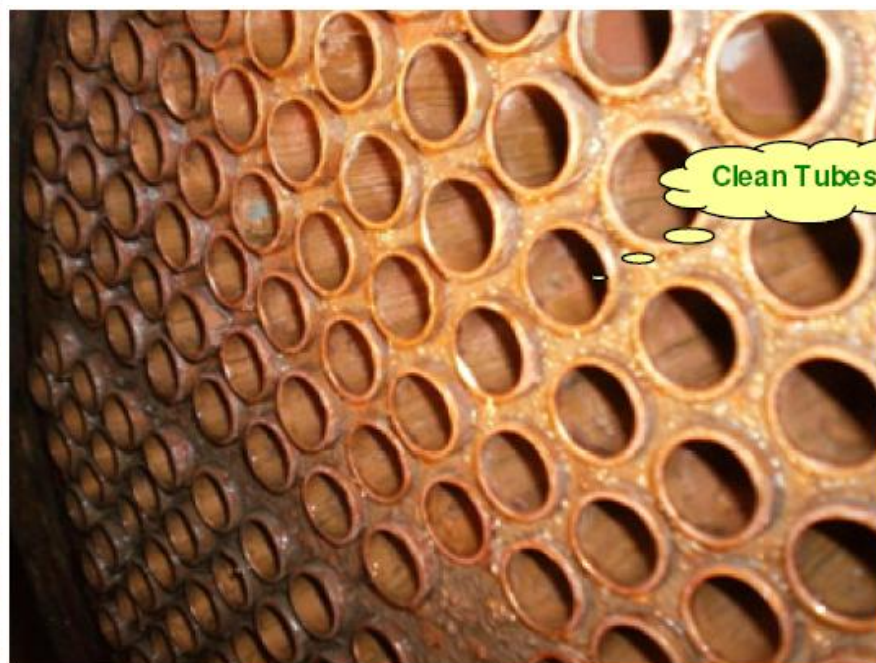
Automatic Tube Cleaning System



Case Study-I: Hotel

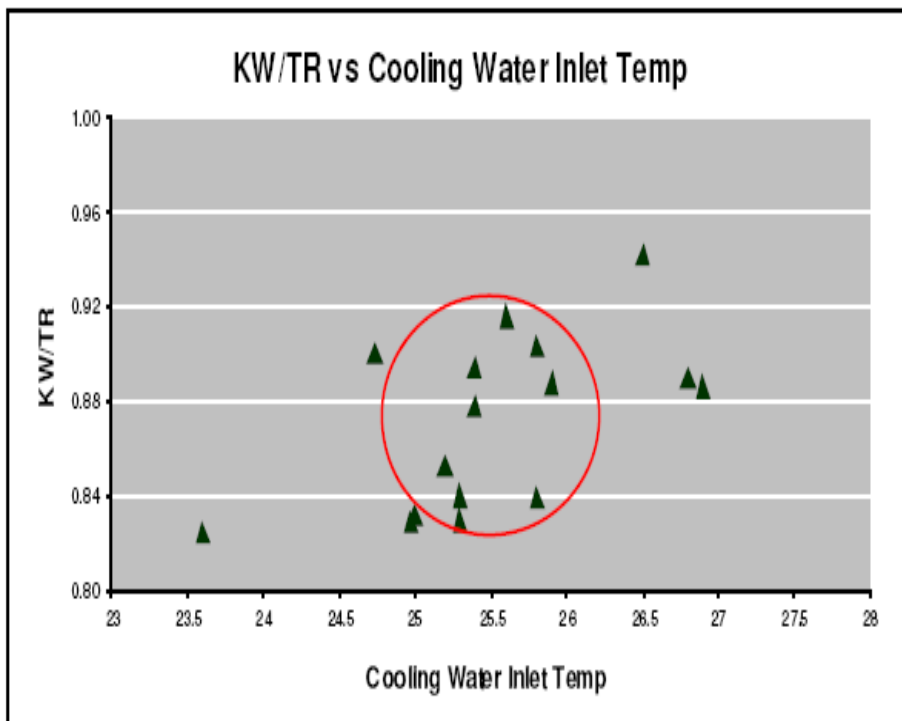


Tube Before ATCS Installation



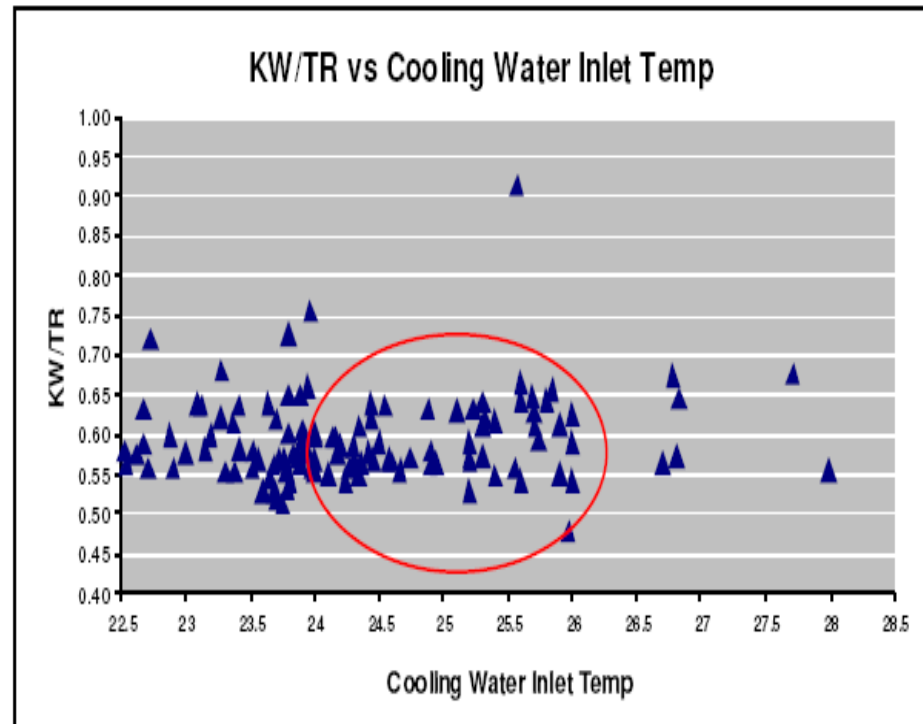
Tube After ATCS Installation

Case Study-I: Hotel



ikW/TR Before ATCS Installation

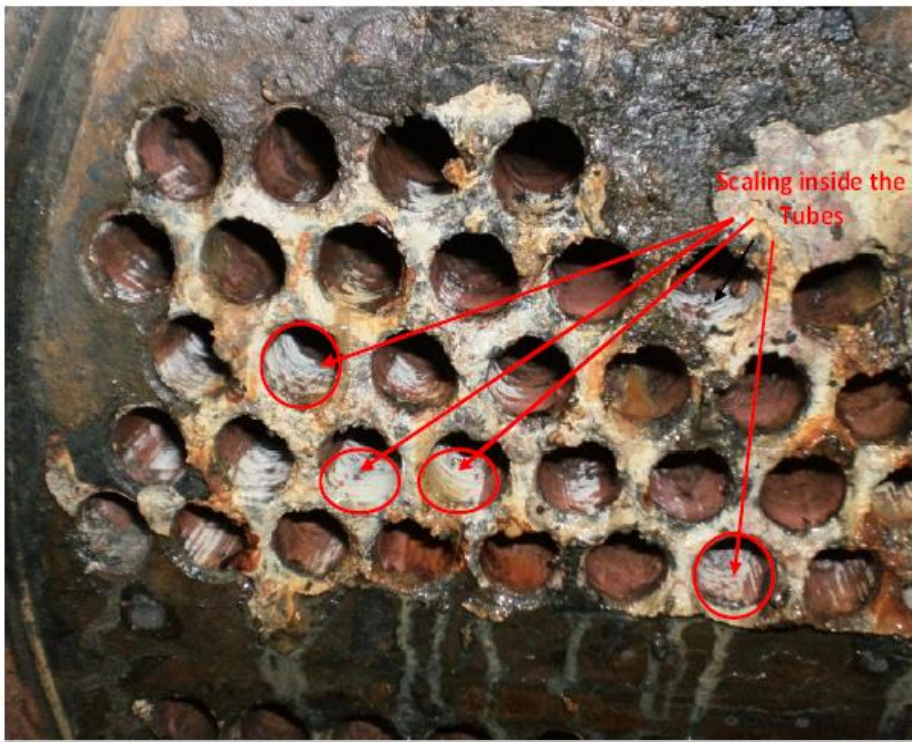
ikW/TR decreased from 0.88 to 0.63



ikW/TR After ATCS Installation

Reduction of ~ 28%

Case Study-II: Pharma Company

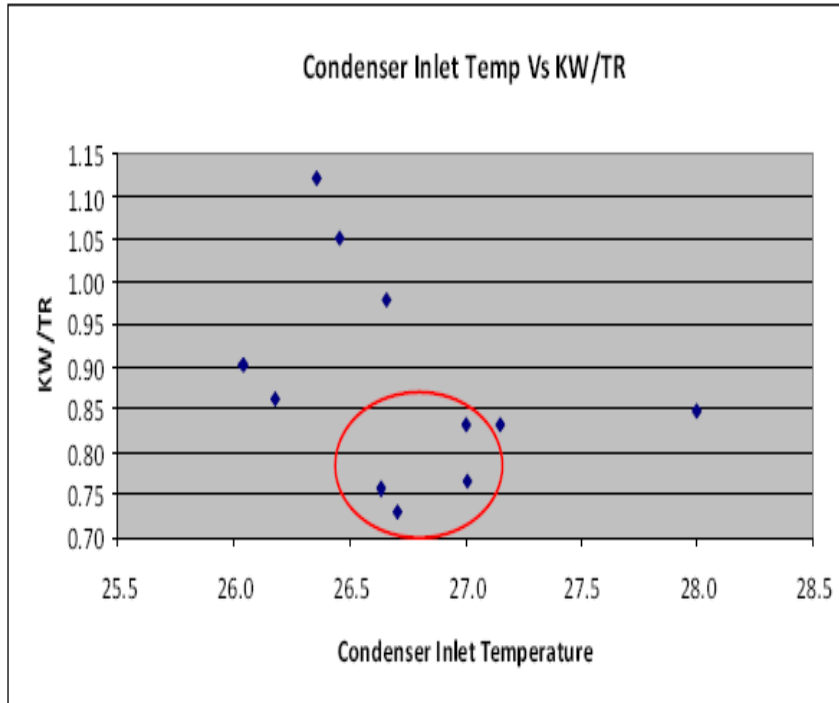


Tubes Before ATCS Installation



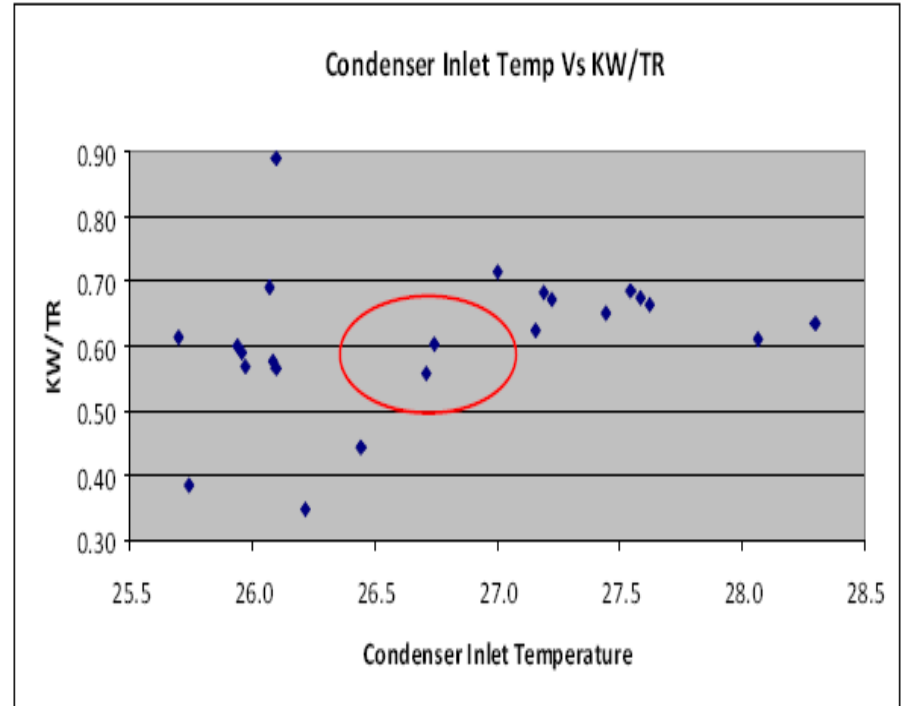
Tubes After ATCS Installation

Case Study-II: Pharma Company



ikW/TR Before ATCS Installation

ikW/TR decreased from 0.75 to 0.6



ikW/TR After ATCS Installation

Reduction of ~ 20%

Thank You

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