

THE POWER OF EFFICIENCY



ACCS

Automatic Condenser Cleaning System

A PARTNERSHIP STORY : ICICI Bank

THE CUSTOMER

ICICI Bank is India's largest private bank and the second largest bank in the country. ICICI Bank offers a wide range of banking products and financial services to corporate and retail customers in the areas of investment banking, life and non-life insurance, venture capital and asset management.

CUSTOMER NAME	ICICI Bank
ACCS - YEAR OF INSTALLATION	2016
SIZE (IN INCH)	10
NUMBER OF BALL TRAP	2

INNOVATIVE PROJECT

Automatic Chiller Tube Cleaning System



PRE-PROJECT SCENARIO

- With usage of water-cooled chillers, there is fouling inside the condenser tubes
- Resulting in higher kW/TR
- Manual cleaning is difficult & requires shutdown of approx. 24 hours

“ACCS is installed as a retrofit on old chiller & it’s an integral part of the chiller now”

POST IMPLEMENTATION

ACCS is installed as a retrofit on old chiller & its an integral part of the chiller

Chiller efficiency is maintained

Summary En Con Projects in 3 years

Saved
4.69 lac
kWh

No Investment / Innovation Projects

- Rescheduling HVAC & lighting
- AHU filter cleaning
- Temperature control AC 24°C
- Remote shut down of computers
- Optimization & rationalization of UPS & Transformer
- Heat mapping & reallocation of seating, Hot desk provided
- Switching off of ACs in HUB rooms
- Chiller sequencing & load optimization

33% Saved
31.37 kWh

Saved
26.58 lac
kWh

Investment / Innovation projects

- Auto tube cleaning system (ACCS) for AHU
- Dual Coil AHU
- Replacement of FTL with LEDs
- Water pump replacement
- Replacement of HVAC pumps
- Use of motion sensors
- Water cooled chiller with use of STP water



“ACCS is one of the best technology that we have replicated!”

Engineering team / ICICI, Mumbai

Thank you!