



# Company Profile



INTELLIGENT SOLUTIONS  
FOR GREENER WORLD



# ABOUT US

Econova Energy Solutions specializes in smart, sustainable technologies for industrial utility systems. We offer energy-saving and water optimization solutions for cooling towers, HVAC systems, and utility equipment across key sectors like power, pharma, chemicals, hospitality, and healthcare.

Our mission is to help industries reduce resource consumption, cut costs, and boost efficiency—driving a greener and smarter future through innovation and reliability.

## DAILY IMPACT THAT MATTERS

Our smart systems help industries cut water and energy use through efficient engineering and innovation.

With savings of 1,256 kL of water and 51.35 MW of energy daily, we deliver real, measurable sustainability.

### FOOTPRINT REDUCTION BY ECONOVA PART OF EUREKA GROUP



Reduction in Water Consumption

**1256** KL/day



Reduction in Energy Consumption

**51.35** MW/day

# WHY US



Our innovative approach for energy saving is **WHAT SETS US APART**



When it comes to services we, re **YOUR BEST CHOICE** because we delivering projects and maintenance services on time and under budget with client satisfaction.



We, re **THE RIGHT FIT FOR YOU** because our platforms is specially designed to handle the unique challenges while keeping costs manageable.



We bring **EXPERTISE AND DEDICATION** to the table.

## INDUSTRIES WE SERVE



Pharma Companies



Hospitals



Commercial Buildings



Utilities



Chemical Industries



District Cooling



Oil & Gas



Manufacturing Sectors



Hotels



Textile



Malls



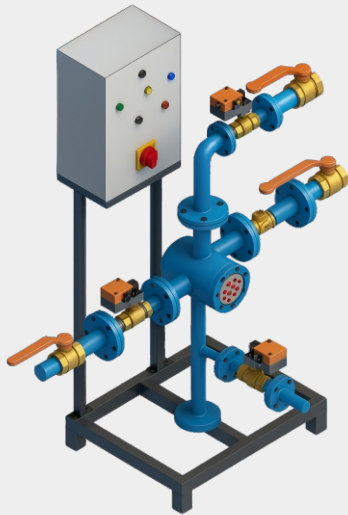
Refineries



Cement & Steel



Captive Power plants



## Automatic Tube Condenser Cleaning System (ECO-ATCS)

- Cleans condenser tubes every 30 minutes.
- No shutdown required.
- Saves up to 30% of energy.
- PLC-based auto control panel.
- High-quality, patent-pending technology.

## FRIGI-TECH - (5% Chiller Energy Savings)

- Increased heat transfer in the evaporator and condenser up to 25%
- Reduction of Friction
- Lower Operating temperatures of the oil and the compressor.
- Improved energy efficiency

### Benefits

- Lower amp draw and reduced start amps.
- Comfort of the mechanical rooms.
- For every 10 degrees Celsius a motor runs however, it reduces its life by 50%.

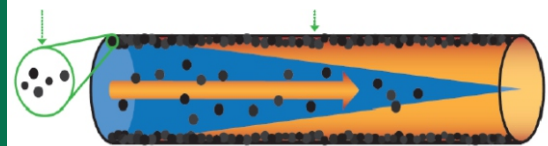
### Before Service

#### Oil Fouling

Energy robbing deposits of stagnant and non-conductive lubricating oil

#### Laminar Friction - Energy Loss

Energy loss due to a significantly reduced contact point between the refrigerant and heat transfer surface



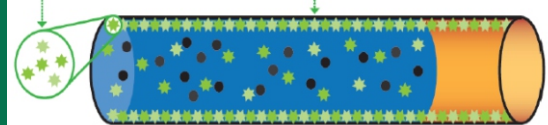
### After Service

#### Treatment

Heat seeking thermoconductive molecules

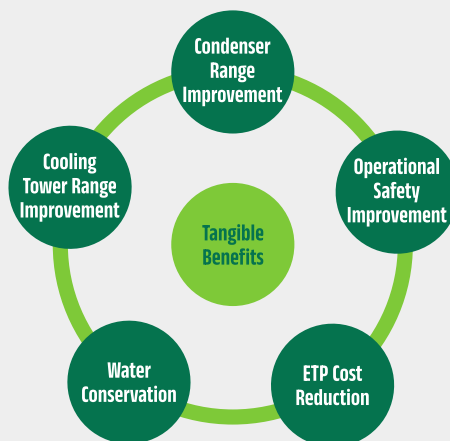
#### Greater Contact - Energy Gain

Energy gain due to a greater contact point of the refrigerant with heat transfer surface



## Non-Chemical Treatment for Cooling Towers (Herbal Liquid)

- Eco-friendly alternative to traditional chemical dosing.
- Prevents scaling, corrosion, and biological growth.
- Non-hazardous and environmentally safe.
- Reduces blow down and reuses water.
- Maintains all key parameters.



Reduce Blowdown by 80%

## German Design Cooling Towers – 50% Lower Power Consumption

- Superior cooling towers come with a thermal performance guarantee for 7 years.

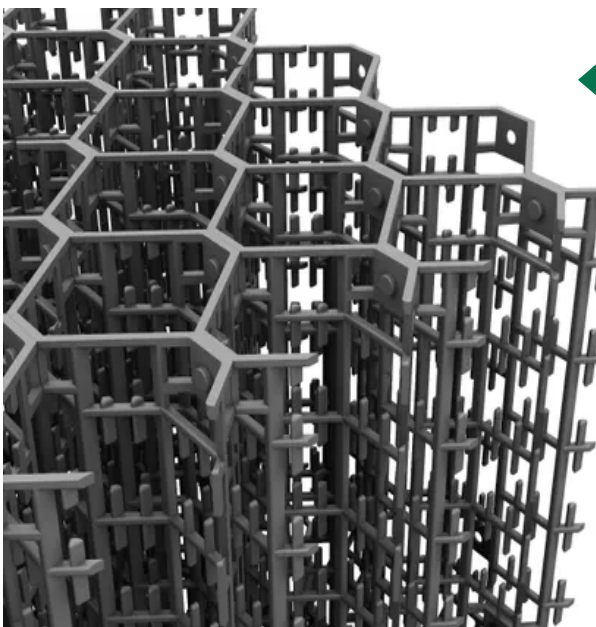
### Benefits

- 30% lower cross-sectional space occupies.
- Reduce power consumption (up to 50%)
- Non-clogging fills with 12–15 years of life.
- No metal components are used in the tower structure.
- Fire retardant materials as MOC.



## Cooling Tower Fans (Guaranteed 20% Energy Savings)

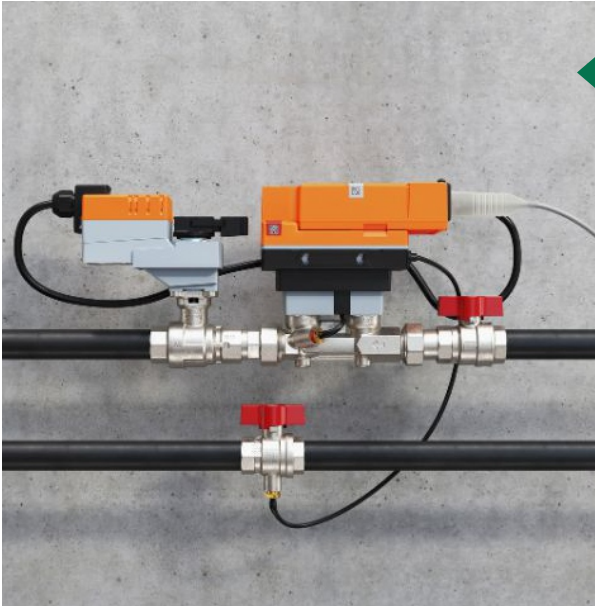
- We deliver guaranteed 20% energy savings compared to conventional metal or FRP fans.
- Low maintenance, low noise, and low angle lead to low starting torque.
- High air flow with low power consumption and high lifetime.



## Cooling Tower Fills (50% performance improvement)

- Made from UV-protected polypropylene copolymer.
- Features mechanical joints for easy, glue-free assembly.
- Withstands hot water up to 80°C.
- Enhances water distribution and heat exchange surface area.
- Resists fouling and scaling, even in challenging water conditions.
- Suitable for counter flow and cross flow towers in power, chemical, and steel industries.

## Energy Valves for AHUs



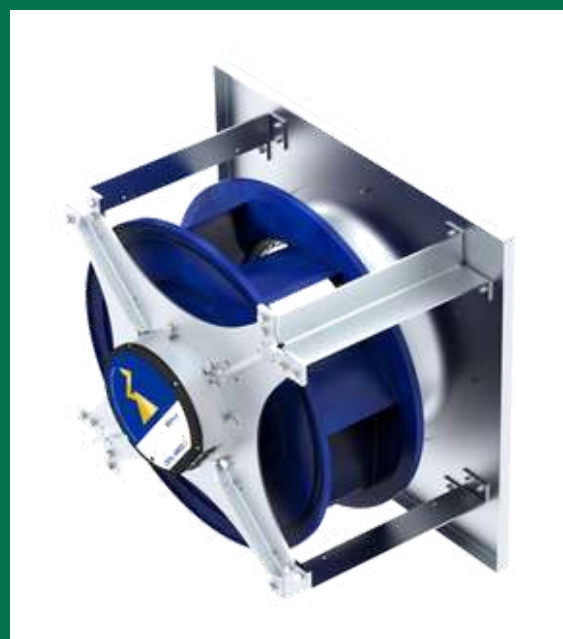
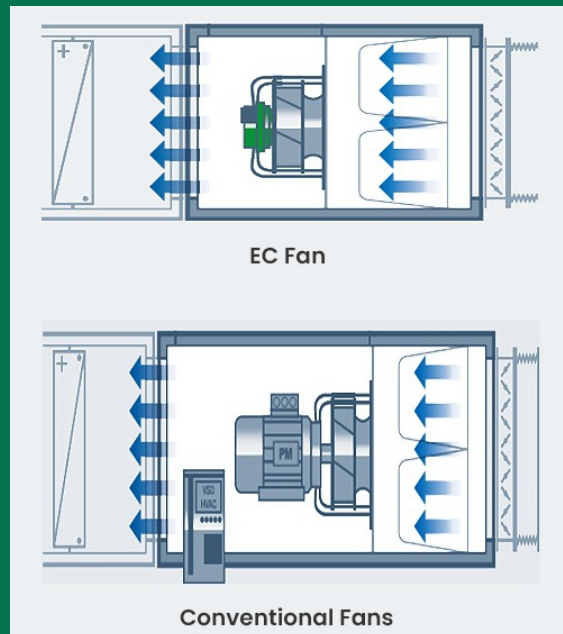
- Pressure-independent control enables precise energy tracking and system efficiency.
- Belimo Energy Valve integrates control valve, actuator and thermal energy meter in one device.
- Higher valve authority improves control performance.
- Actuators offer reliable control with features like guaranteed torque, overload protection, brushless motors and energy efficiency.

## 40% AHU Energy Reduction

- Our industry-leading ECBlue Smart System delivers guaranteed 30% savings in energy consumption of AHUs.

### Benefits

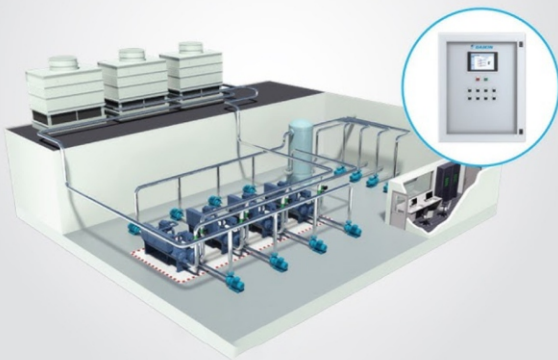
- the only system to offer EC Motors with FRP Blowers for maximum efficiency
- speed modulation through in-built controller - eliminates need of VFD
- Option to modulate system based on temperature or air-flow
- our system provides natural redundancy
- robotically coupled motors and blowers which are dynamically balanced
- our system can withstand wide range of voltage and humidity conditions
- future proof - BMS integration-ready
- lubrication free system through use of high quality bearings





## Side Stream Filters for Cooling Towers

- Self-cleaning screen with auto alarm.
- Range starts from 30 microns.
- No booster pump required.
- Reduce Chemical Uses and blow down Frequency.
- Improves system cleanliness & reduce microbiological growth.



## IoT-Based Energy Monitoring & Control Solutions

- Centralized dashboard for real-time energy and equipment performance data.
- Predictive maintenance and fault alerts through smart sensors.
- Remote access and control of HVAC, pumps, chillers and more.
- Supports energy audits, compliance reporting and analytics.
- Seamless integration with BMS and EMS platforms.

## Patented Nano Hybrid AHU

- An eco-friendly solution with power reduction by 80% – Hybrid Air Handling Unit
- Hybrid AHUs use evaporative cooling as the primary principle, which utilizes water evaporation for cooling, a natural and energy-efficient process.

### Benefits

- Cost Effective
- Easy Maintenance for extended product life
- Water Usage (Reduced water consumption by 50-60%)
- Energy Efficiency (Reduced power consumption by 70-80%)
- 24°C–26°C Green Temperature
- Reduced Carbon Footprints



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## OUR CLIENTS

Collaboration with Eureka

Zydus  
Wellness

Dr.Reddy's

Unilever

IITC  
IITC Limited

KANSAI  
NEROLAC  
PAINTS LIMITED

AUROBINDO

LG  
Life's Good

TATA AIA  
LIFE INSURANCE

JK LAKSHMI  
CEMENT

MAERSK

इंडियन ऑयल  
IndianOil

Pfizer

LAURUS Labs  
Knowledge. Innovation. Excellence

JUBILANT  
LIFESCIENCES

gsk

reckitt

P&G

wipro

Whirlpool

Haldiram's

IDFC FIRST  
Bank

INTAS

PharmaZell  
GROUP

VNAI

MSNO  
Research for Better Medicines

भारतीय रिजर्व बैंक  
RESERVE BANK OF INDIA

Pidilite

cohance  
lifesciences

KRISHNAJI  
DISTILLERIES  
PVT.LTD

Dabur

UltraTech  
CEMENT  
The Engineer's Choice

Bharat  
Petroleum

VENUS  
Enjoy Innovations

MARUTI  
SUZUKI

HONDA

Lifting Global Trade.  
APM TERMINALS

Mahindra

Sai  
Make it better together

SBI

PERFETTI  
van Melle