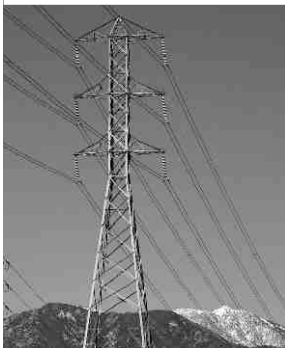
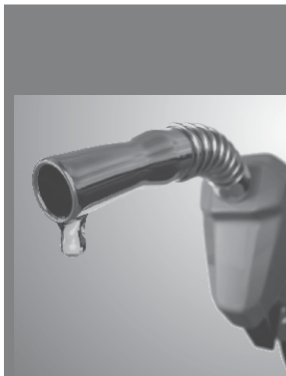


# VCONSERVE



RESOURCES  
GAS  
ENERGY  
AUDIT  
TECHNOLOGY  
CONSERVATION  
ELECTRICITY  
CLEAN  
POWER  
EARTH  
WORLD  
SOLAR  
WATER  
LIGHT  
BIOMASS  
SPEED  
SUSTAINABLE  
WIND  
FUEL  
GENERATION  
THERMAL  
SOURCE  
SYSTEMS  
CHEMICAL  
RENEWABLE  
EFFICIENCY  
ALTERNATIVE



THE POWER OF ENERGY SAVING

# ENERGY AUDITS

## KEY TO ENERGY CONSERVATION

Global energy demand will climb 35 percent by 2030 from 2005 levels amid rapid economic growth and improvement in living standards in developing nations. Industry accounts for around one-third of the world's final energy demand; around 60 percent of this industrial demand is from developing countries. But, the supply of energy is not growing at par with demand leading to demand supply gap. Conservation and efficient utilization of energy resources play a vital role & is the most economical way to save fossil fuel like coal, gas, oil used in industrial & commercial sectors. It will also reduce carbon footprint & release of GHG into the atmosphere. New regulations will intensify pressure on countries & companies to improve energy efficiency. Although companies see energy efficiency as critical to their businesses, only a few actually take action to improve efficiency mainly due to lack of awareness about their energy consumption pattern & how it can improve their profitability.

An energy audit is therefore an initial step for achieving energy efficiency in their operation to cut down their expenditure on energy consumption. Energy Audit creates awareness about energy efficient measures through technological innovations that reduce barriers and opens doors which have typically prevented many companies from getting started in energy efficiency. Companies should look at energy conservation measures as an investment rather than expenditure.

With a team of technically qualified energy auditors, we direct our resources to reduce avoidable energy use in your premises without effecting productivity through our energy audit service & suggesting energy efficient measures for your implementation.

## ABOUT US



**V CONSERVE**, is a company working in the area of Energy Conservation with a vision of becoming a leader in providing services & solutions in energy saving technologies in order to secure energy for future generations. We dedicate ourselves to save customer money by providing comprehensive but reasonably-priced energy audits and providing solutions also. We not only give suggestions for energy saving but also support customers for energy management & post audit implementation of energy saving proposals with state of the art solutions available in the market at an optimal cost.

We are equipped with a wide range of advanced, sophisticated, portable diagnostic & measuring instruments like power analyzers, ultrasonic flow meters, lux meters, hygrometer flue gas analyzers & softwares etc. for conducting energy audits. These are used to generate refined data which facilitate in complex analysis to give a more reliable basis for evolution of energy saving potentials for economically viable solutions.

## SERVICES OFFERED

### Comprehensive Energy Audits

- Creates portfolio of energy consumption pattern of complex network
- Identify the areas of potential energy savings in the network
- Suggesting optimum energy conservation measures for achieving energy savings along with their ROI and improving profitability
- Support on post audit implementation for recommendations made in energy audit

### Power quality Analysis & Fault Investigations

- Any operational problem in the network like tripping of switchgears, burning of Electronic Components or any other anomaly suspected to because of poor power quality conditions
- We offers root cause analysis of these problems & provide possible measures along with their cost-benefit comparison in order to avoid these faults in future



### Energy & Load Monitoring and Recording Services

- Record the power parameters like KW, KVA, KVAR, PF for their peak, average etc as per defined Incomer and Load points as desired by customer.

### Thermal Imaging(Thermography)

- Analyze surface temperature pattern of affected equipment to detect problems of load imbalance, overloads, arcing, panels, transformers bus bars, heating of motors, terminals, bearing, leaks and cracking areas for mechanical utilities such as shafts, furnaces, and compressors.

### Energy Management Systems

- Installation and Implementation of Energy monitoring, measuring & verification system softwares & consultancy for ISO 50001 certification.

### Data Warehousing

- Provide services of recording, monitoring & analyze the network data for customers using GSM/GPRS/WEB based technologies using advanced instruments & softwares.
- The report for analyzed data can be directly accessed by the customer or can be periodically given to customers for prompt action.

### Water Audit & Conservation

- Provide water audit for analyzing the opportunities of reuse, effluent treatment & rainwater harvesting opportunities for water conservation.

### Health Check-Up of Plant Equipments

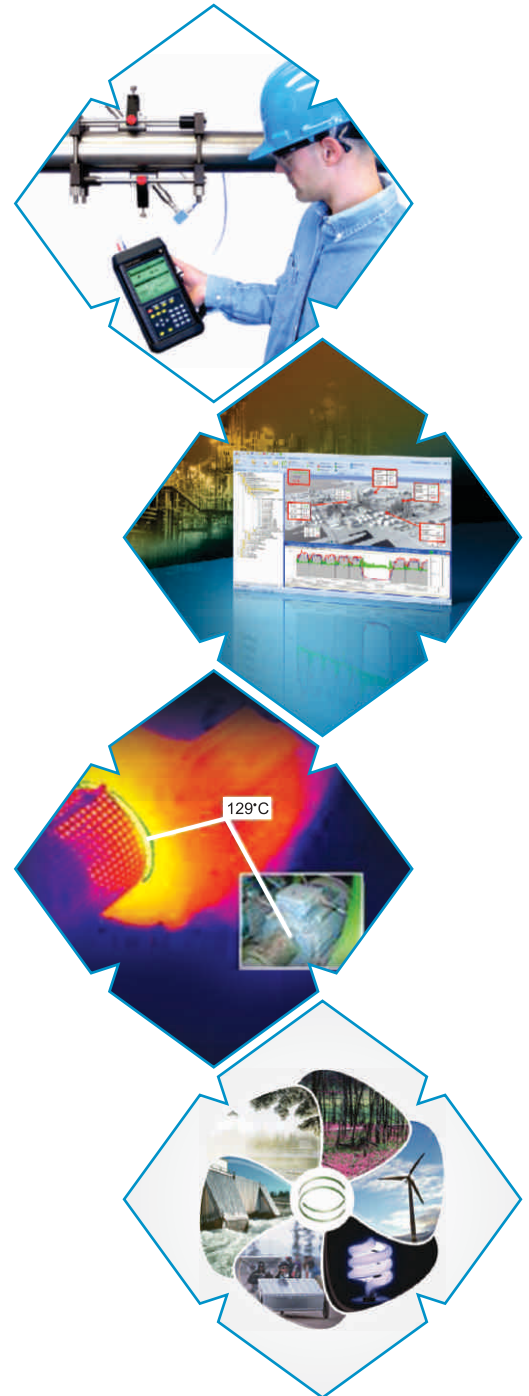
- Predictive Maintenance of plant utilities through tests like Earth & Insulation resistance, H.V. test, tan  $\delta$ , Noise level, vibration analysis & relay calibration etc.

### Renewable Energy Advisory & Solutions

- Consultancy on CDM, REC & Energy saving certificate & preparing feasibility reports for renewable energies such as Solar, Wind, Energy efficient solutions & providing support for their implementation.

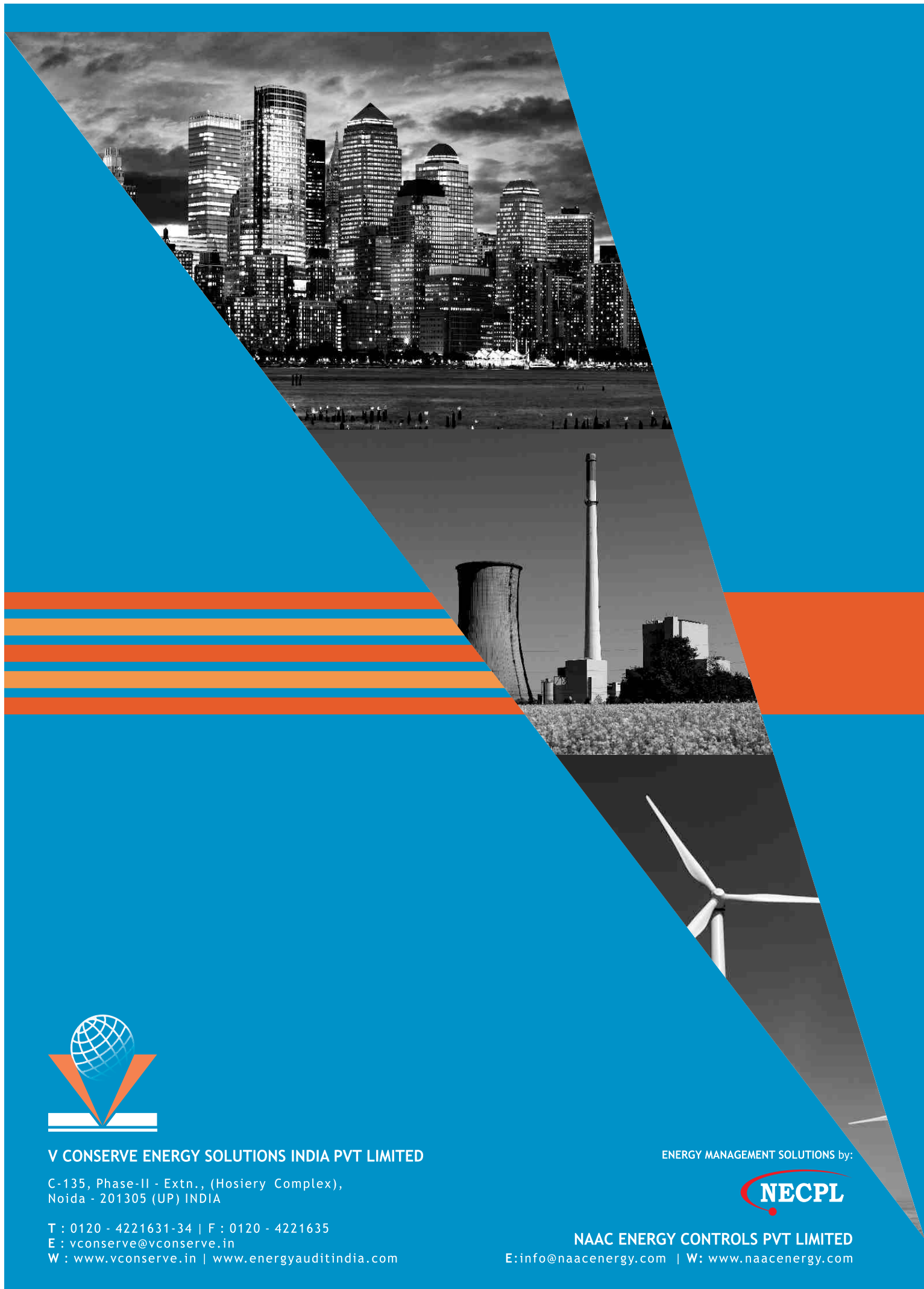
### Training

- Provide training to senior, middle & junior management staff on Energy Conservation, Energy Management System ISO 50001, Plant safety & Waste reduction.



## MAJOR CLIENTS





## V CONSERVE ENERGY SOLUTIONS INDIA PVT LIMITED

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ENERGY MANAGEMENT SOLUTIONS by:



## NAAC ENERGY CONTROLS PVT LIMITED

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