



The CO<sub>2</sub> concentration in atmosphere which is never greater than 300 ppm in past 400,000 years is fast approaching 400 ppm

World wide oil and coal reserves are estimated to be at about a mere 50 and 100 years

Natural resources are currently being utilized at about 40% higher rate than what earth can regenerate and absorb.

Very soon the rate of utilisation of natural resources will no longer be determined by how much we want but by how much is available

If our civilization is to survive, we should reduce our dependence on fossil fuels, use renewables, maximize energy efficiency and energy conservation.

The earth was not given to us by our parents it is loaned to us by our children. Let us preserve our only home for future generations.

If we do not act to stop **Global Warming!!!** it is irreversible and hard to rise up to the requirement to avoid catastrophe



Let us Partner... let us do our part in conserving environment and energy...



### Vision

Tomorrow should be better

### Mission

Reduce damage being caused to Environment by providing ecofriendly services and products

### Values

Honesty, Commitment, Hardwork....  
In what we think, we talk and we do

# About Us

Bhumitra is setup with a primary motto to conserve environment & energy and contribute for better and greener tomorrow.

## Portfolio

- ✓ Energy auditing
- ✓ Projects consultancy (E&I)
- ✓ Performance & Efficiency improvement
- ✓ Supply of eco-friendly products
- ✓ EPC for commercial solar roof tops
- ✓ Consultancy for MW scale solar Projects

## About Founder

- ✓ 16 years of experience in field of Engineering & Automation
- ✓ Handled major projects including Power, Fatty acids, Soap etc...
- ✓ In depth design and operational experience in electrical and automation
- ✓ Strong Analytical skills
- ✓ Strong organization and project management skills
- ✓ Implemented various efficiency improvement projects

## Why Should you choose us

- ✓ Integrated approach
- ✓ No conflicting interests
- ✓ Understand customer needs
- ✓ Realistic & Solid Judgment
- ✓ Continual support to customer
- ✓ Social commitment
- ✓ Committed and hardworking
- ✓ Latest Equipment & Tools
- ✓ Owns Responsibility
- ✓ Strives for Excellence



## Bhumitra Energy Auditing & Consultancy

### Energy Auditing

End use efficiency improvement & use of renewables contribute to about 50 and 20% reduction in targeted green house gas emission reductions. Bhumitra aims at eliminating unnecessary energy use and improving the efficiency of needed energy use and do their part in conserving the fast deteriorating environment.

## What we do...

- ✓ General Walk through Audit
- ✓ Detailed Audit
- ✓ Process performance improvement

- ✓ Electrical System Audit
- ✓ Thermal System Audit
- ✓ Harmonic Analysis
- ✓ Power factor improvement
- ✓ Heat balance studies
- ✓ Energy bills analysis
- ✓ Equipment Audit

## Segments...

- ✓ Industries ( medium & small)
- ✓ Rice, Oil & Spinning mills
- ✓ Hospitals, Schools & Colleges
- ✓ Commercial & Residential buildings

- ✓ Power plants and Boilers
- ✓ Air blowers & Compressors
- ✓ Steam distribution systems
- ✓ Motors, Fans and Pumps
- ✓ Lighting & HVAC Systems
- ✓ Heat exchangers
- ✓ Air handling & distribution
- ✓ Cooling towers

## Advantages with us...

- ✓ Low upfront Fixed fee
- ✓ Sharing in savings model
- ✓ Pay as you Save model
- ✓ Simplified Financial analysis

- ✓ Simple & Straight forward report
- ✓ Turnkey solution from identification to Execution of opportunities
- ✓ Takes responsibility of reported findings
- ✓ Produce more with less energy
- ✓ Maximize efficiency
- ✓ Improved productivity

# Bhumitra Energy Auditing & Consultancy

Electrical & Instrumentation Consultancy

Bhumitra is a distinct company which offers Eco friendly, Efficient and Economical designs for any Electrical & Automation needs, be it a Commercial, Residential or Industrial application.

The vast experience of team helps you in resolving perennial Electrical problems :

- ✓ Consultancy for Design, Engineering, Supply, Installation, Testing and Commissioning of complete Electrical Systems for new and expansion projects.
- ✓ Erection, Testing and commissioning activities as per clients specific requirements
- ✓ Preparation of all necessary Electrical Installation Drawings
- ✓ Approvals from Electrical Inspectors office and other necessary regulatory approvals.
- ✓ Safety Audit from Electrical and Instrumentation point of View
- ✓ Trouble shooting of Electrical and Power plant problems
- ✓ Third Party Inspection Services

Annual Maintenance Contracts – For maintenance of installations of Industries, Commercial Buildings and Large Residentials.



## CONSULTING WITH RESULTS

We are specialized and equipped in handling any **Instrumentation Projects** to the exact accordance with clients specific requirements from engineering concept to commissioning. The team has hands on experience in Design and commissioning of Power Plants and various Process Plants both with Distributed and Stand alone control systems.

### Engineering

- Engineering documents evaluation
- Preparation of instrument specifications
- Technical evaluation of offers
- Preparation of P&I diagrams
- Preparation of control schemes
- Design for DCS

- Erection and commissioning of field Instruments & Distributed Control System(DCS)
- Trouble shooting instrumentation Problems
- Retrofits & Modification of old plants for Efficiency & Productivity improvement
- Supervision services for Erection, Testing & Commissioning.

### Field Services

## Why Bhumitra...

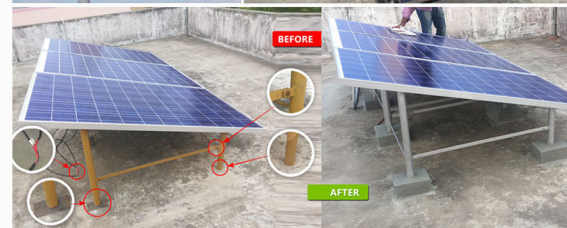
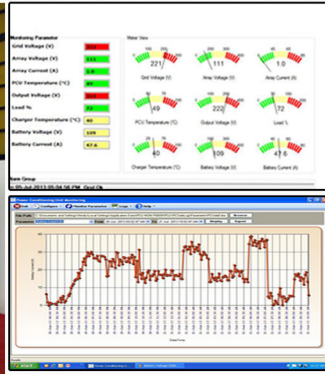
- ✓ Dependable service
- ✓ Vast experience
- ✓ Customised solutions
- ✓ Personal attention
- ✓ Tested performance
- ✓ Reliable quality
- ✓ Responsive Team

## Products

- ✓ Commercial solar roof tops up to 100Kw
- ✓ Commercial solar hot water systems in any size
- ✓ Solar agricultural pumps up to 25HP
- ✓ Solar street lights & Home lighting
- ✓ Solar roof tops for large domestic applications
- ✓ Energy efficient lights

## Consultancy for MW Plants

- ✓ Works on behalf of customer
- ✓ Selection of proper and economical technology
- ✓ Assistance in obtaining statutory approvals
- ✓ O&M responsibility for project life
- ✓ Assistance in power sale and billing activity



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