



# CENTRE FOR INNOVATION INCUBATION AND ENTREPRENEURSHIP (CIIE) ENERGY PLANT

## Company Overview

Energy Plant has been making renewable energy systems that use innovative technologies to develop efficient, cost-effective solar thermal and solar PV products to reduce fossil fuel usage greatly.



## Major Focus

Solar Dryers

Solar Air Heaters

Solar Water Heaters

SHIP System

Solar PV Systems

Energy Auditing

## Business case



### Problems

- Lower Thermal Performance
- Higher space Requirements
- Longer Payback period.
- Poor Integration with existing system



### Solutions

- Jet Impingement collectors
- Model Predictive control system
- Tailor-made design



### Outcomes

- Enhanced efficiency by 21%
- Techno-Economic feasibility
- Energy saving

### Details of Incubatee

- CIIE ID : CIIE004
- Year of Commencement : AY 2021 - 22
- Registration Status : Proprietorship
- GST No : 33DKBPS6074LIZQ

### Team

- Mr. K. SUBRAMANI - Proprietor, Energy Plant
- Dr. M. M. Matheswaran - Innovation Ambassador, JIT - IIC

### Domain of Focus

- Renewable Energy Systems
- Solar Thermal Technologies

## Innovations



Jet Impingement Solar Thermal collectors

## Target Sectors

- Dairy Industry
- Chemical Processing
- Paint Drying
- Food Processing
- Textile

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📍 Cubical -3b, CIIE, Jansons Institute of Technology, Coimbatore