

About Aspiration Energy

Aspiration Energy is an innovative industrial heating solutions company providing solutions using Rooftop Solar Thermal Systems and High Temperature Heat Pumps. We enable pioneering companies to cut down their losses in process heating by switching to green technologies. We offer predictable low energy cost on PAYS (Pay-As-You-Save) model – a unique monthly performance based energy payment.

Backed by a team with strong technical experts including professionals from IITs, we have assisted several blue chip companies like TVS, Ashok Leyland, Pidilite – in avoiding expensive fossil fuels and adopting proven clean, green technologies that make real economic sense.

Clients



Awards & Accolades

AEPL has won the following accolades for its innovative solutions.



Most innovative energy saving product from CII



Climate Solver Award from WWF – India.



ESCO Award from Ministry of New and Renewable Energy.



Masterpreneur 2013 Award from CNBC TV 18



Sustainability Leadership Award from Parivartan



Fast Forward to Green Future

with

Aspiration Energy

Leader in Sustainable Industrial Heating

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Go Green The Most Economical Way Innovation In Sustainable Industrial Heating Solutions

Solar Thermal

Heating Applications Up To 120°C

- › Rooftop solar installation for 40-120°C industrial processes
- › Replace 30-40% fossil fuel used - with clean green solar energy
- › Three times more efficient than Solar PV and occupies only 1/3rd roof space
- › CO2 Mitigation in the order of 250-500 tons per annum depending on the fuel replaced
- › Energy security for 25 years

Heat Pumps

Heating Applications up to 90°C

- › Passive solar systems for 75-90°C industrial processes
- › One of the few green solutions that provides quick Payback (<2 Years)
- › Can help slash heating bills by up to 50%
- › Easy installation and maintenance
- › Occupies very little space

Our Sustainable Heating Solutions find applications across several manufacturing industries for industrial processes that require a temperature range 40-120°C



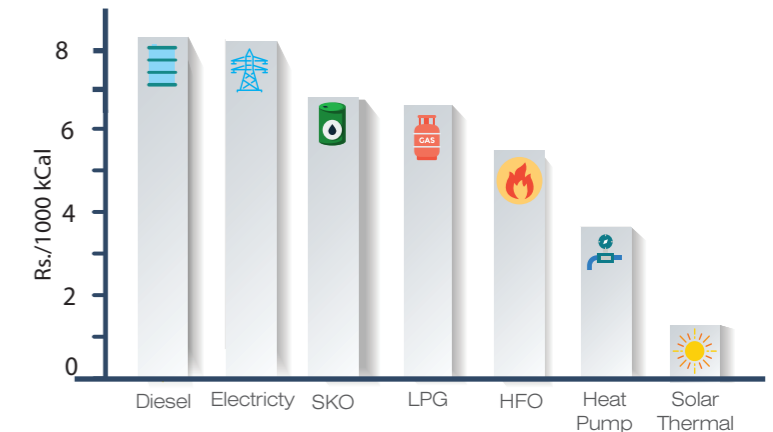
Why Choose Our Sustainable Heating Solutions?

Because they make great economic sense.

While you have a variety of choices for generating hot water and pre-heating required for your processes, AEPL's Solar Thermal and Heat Pump solutions can reduce your energy costs by 40-50% and with paybacks ranging from 2-4 years.

Payback & Savings Potential for Solar Thermal & Heat Pump

Fuel Replaced	Solar Thermal	Heat Pump
	Payback (in years)	Payback (in years)
LPG	2.97	2.6
Diesel	2.99	1.6
Electricity	3.91	1.6
SKO	4.03	2.5



Solution Snapshots – Prominent Case Study Highlights

Solar Thermal

Client - Leading manufacturer of automotive seating systems in India

Application Process - Pre-treatment processes – Degreaser, Phosphating

Plant Size	Source Replaced	Temperature Required	Delivery Temperature	Total Annual Savings	Payback Period
360 kW	55 to 60 Tonnes of LPG per year	55-60°C	90°C	Rs. 30 to 40 Lakhs	3 to 4 Years

Heat Pump

Heat Pump for one of the largest truck manufacturers in the world

Application Process - Automotive Components Washing

Heat Pump Size	Source Replaced	Temperature Required	Delivery Temperature	Total Annual Savings (Rs Lakhs)	Payback Period
28 kW	72 kW Electric Heater	50-55°C	80°C	Rs.5,60,000 (~ 80,000 kWh Electricity Savings)	<2 years