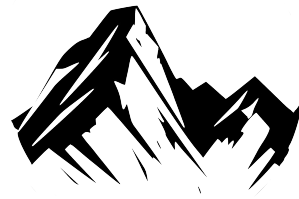# EASTERN LIGHTS INDUSTRIES

Next-generation data centres, powered by sustainable energy.

WHO WE ARE

Eastern Lights Industries is an Indian-owned Private Limited Company (Pvt. Ltd.) supported by an experienced international team of data centre developers.

We seek to leverage opportunities within the High Performance Computing (HPC) industry - driven by the Artificial Intelligence (AI) boom - for India's sovereign benefit.

WHAT WE DO

We plan, design, build and operate next-generation data centres in India, powered by 100% sustainable energy. In short - we build clean, green super-computing machines.
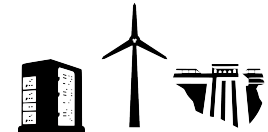
We scour India for low-cost sources of clean energy - from stranded hydropower to solar, biogas or wind located away from centres of demand or awaiting grid connection. We turn this electricity into high performance computing power.

OUR MODULAR APPROACH

We specialise in compute-intensive data centres, designed around a scalable, modular architecture. This enables us to take advantage of both remote, distributed sites and larger, more centralised facilities - as well as to locate close to energy production sites, minimising associated infrastructure requirements:

**DISTRIBUTED
1 - 10MW**

**CENTRALISED
10 - 100MW+**

PIPELINE & REQUIREMENTS

Our first project in West Bengal is the 6MW ELI Pakang-I currently under construction :

- PPA for 6MW ELI Pakang-I - currently under construction@ Rs 1,000-2,000 / MWh
- 1-7MW sites near Kalimpong for immediate development @ Rs 1,000-2,000 / MWh
- 1-30+MW sites in any location in West Bengal for development in 2024 @ Rs 1,000 - 2,000 / MWh
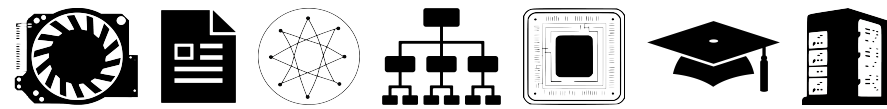
EASTERN LIGHTS INDUSTRIES

NEXT-GENERATION DATA CENTRES

Eastern Lights Industries next-generation data centres differ from legacy operations in several key ways that dramatically increase our ability to **process High Performance Computing (HPC) workloads**, whilst reducing CAPEX and OPEX.

Our data centres focus on:

- **Raw compute power**, taking advantage of GPU / TPU / ASIC accelerated architectures
- Highly efficient and power-dense rack design
- Access to **low-cost clean energy**, often located in close proximity to power generating facilities

The high density of our designs - both in terms of electrical and computing power - **enables us to keep our physical footprint small**. Together with our ability to **utilise remote locations** and satellite communications, this means costs can be dramatically lower vs comparable 'legacy' data centre facilities sited in closer proximity to cities.

COMMUNITY BENEFITS

We believe business should be **environmentally and socially sustainable** - so at Eastern Lights Industries we engage with the communities in which we locate our data centres.

We strive to build up an Indian workforce with technical skills and experience relevant for the AI revolution. Our projects bring with them opportunities to train and gain practical experience in:

- Data centre operations & management
- Accelerated computing architectures
- Advanced Machine Learning (ML) and AI

Our unique ability to deploy into remote regions brings the opportunities of the AI-driven global technology boom to some of India's most remote and rural communities.

We can also stimulate development of renewable energy projects as off-take customers for otherwise stranded electrical power awaiting grid connection.