

CASE STUDY

CtrlS™ Asia's Largest
Rated 4 Datacenter

How Asia's largest rated 4 hyperscale data centre operator transformed its energy mix

Client Location

Noida, Uttar Pradesh

Industry

Data Centers

Head Quarters

Hyderabad, Telangana

Key Facts

₹ 46 cr

Lifetime savings

60%

Renewable in
energy mix

96 mn kg

CO2 emission offset
over its lifetime

About Company

CtrlS Datacenters Ltd, is Asia's largest Rated-4 datacenter company. The company began its operations in 2007, operates 15 data centers across 8 key markets and plans to have over 600 MW of data center capacity by 2029.

Background

- Data Centres are projected to grow at a CAGR of 18.79% over the next 5 years
- The highly energy intensive data center industry consumes 1.5% of global energy as the electricity used for powering the servers and cooling the systems can be very high.
- In order to meet net zero goals, the Data Centre industry is actively looking to decarbonise and transition to cleaner sources of power.
- To reduce its opex and get closer to its plans of achieving Net Zero by 2030, CtrlS approached SunSource Energy to provide Solar Power for its new data centre in Noida.



The Challenges

- Huge power consumption leading to high carbon load
- Insufficient onsite area for a rooftop solar solution to cater to the entire load
- Quick turnaround time to meet the growing power load of the data center

The Solution

- SunSource Energy signed a 25-year Open Access Solar Power Purchase Agreement with CtrlS to provide cost-efficient clean power.
- SunSource Energy offered a rapid deployment solution through its 15 MW plant at Jhansi along with the flexibility to scale up as and when additional capacity will be required to meet the increasing load of the data center.

Highlights

 Contracted Capacity 3 MWp	 Solar Plant Location Jhansi, Uttar Pradesh	 Equity Infused ₹ 1.05 cr
 Annual Units Procured 41 Lacs kWh	 Landed Savings 1 Year	

Client Speak



At CtrlS, sustainability and responsible growth are part of our DNA. With this project, we are a step closer towards our goals of becoming carbon neutral by 2030. We are happy to partner with SunSource Energy in this initiative.



Dillip Guru
Sr. Vice President, CtrlS

Why SunSource Energy



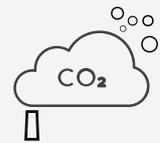
20+
Indian states presence



100+
Customers



500+ MW
Pipeline



100 mn tonnes
lifetime CO2 offset

Reach out to us at energytransition@sunsource-energy.com
to start your energy transition journey today.