

PHOTOVOLTAIC FAÇADE

NEW CONSTRUCTION

Larsen & Toubro is an Indian multinational engaged in EPC Projects that operates in more than 50 countries.

They partnered with Onyx Solar to incorporate a **cutting-edge photovoltaic curtain wall** made of amorphous silicon PV glass into their own offices in India.

The PV installation utilizes Onyx Solar's **10% light transmittance PV glass** in a complex configuration, combining both **rectangular units and trapezoidal ones**.

Each insulated PV glass unit incorporates **argon spacer** to achieve the **thermal insulation** required by customer.

The **solar heat gain coefficient was also optimized following customer's requirements** to improve comfort and productivity of its workforce.



TECHNICAL DATA

Nominal Power (Wp/m ²)	40 Wp/m ²
Visible Light Transmittance (VLT)	10%
Solar Factor (g-value)	37%
U value (W/m ² K)	1.20
U value (Btu/h ft ² °F)	0,21
Light Reflection (external)	8%

CURTAIN WALL

An exterior cladding system for a building that consist of a metal framing supporting the photovoltaic glass.



TECHNICAL DATA SHEET



LARSEN & TOUBRO HQ
TAMIL NADU, INDIA

FAÇADE

AMORPHOUS SILICON TECHNOLOGY



BACK TO START

