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# Integrating the world's largest solar project

Powering the world's largest solar project

Adani's 648 MW solar power plant relies on ABB's power and automation solutions. Our next level technology installed at the 2,500 acre facility enables clean solar power to around 150,000 households in the region.

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Kamuthi, Tamil Nadu,  
India



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## Powering the world's largest solar project

**Customer** : Adani Group

**Location** : Kamuthi, Tamil Nadu, India

**Industry** : Solar

### Customer need

- Sophisticated plant electrification solution to connect solar power to the grid
- Real-time visibility of all plant assets
- Integration of third party devices like inverters, IEC relays, energy meters etc.
- Fault tolerant design of communication ring network and system servers
- Developing control philosophy in a joint effort with the end user operations team

### ABB's solution

- Substations (230kV, 110kV) to manage internal power requirement and connect **green energy** to grid
- **Over 200 solar inverters** (1 MW each) converting DC power into usable AC
- ABB Ability™ Symphony® Plus unified automation platform for **digitalization of plant data**