

36kW GoodWe Project ***Embassy of Belgium, New Delhi, INDIA***



CASE STUDY

From Iconic Architecture to Sustainable Leadership: GoodWe at Belgium Embassy

Background

The Embassy of Belgium in New Delhi, established in 1947, symbolizes strong Belgium-India ties and represents Belgium across South Asia, including Sri Lanka, Bangladesh, Maldives, Bhutan, and Nepal. Located in the Chanakyapuri diplomatic enclave, its iconic red-brick design reflects Delhi's pre-colonial heritage and traditional Indian architecture. Recognized in 2000 as one of the "1000 best buildings of the 20th century," it is a landmark of cultural and architectural significance. In 2024, it achieved an additional milestone by becoming a **"Symbol of Sustainability,"** exemplifying the integration of renewable energy solutions within the diplomatic community.

In the context of India's growing emphasis on sustainable development and renewable energy adoption, the Embassy of Belgium sought to align with these national priorities. This alignment reflects Belgium's commitment to reducing its environmental impact and promoting green energy solutions, further reinforcing its role as a forward-thinking institution in the diplomatic and sustainability domains.

Challenge

Faced with rising energy demands and escalating operational costs, the Belgium Embassy in New Delhi encountered a dual challenge:

1. **Energy Efficiency:** The need to lower dependency on conventional energy sources and control energy expenses, while maintaining the operational efficiency of a multi-functional embassy complex.
2. **Sustainable Leadership:** As a prominent institution within the diplomatic community, the embassy was tasked with setting a benchmark in adopting sustainable practices and contributing to India's renewable energy goals.

Addressing these challenges required the integration of innovative solutions, particularly the adoption of solar power, to reduce carbon emissions, foster energy independence, and demonstrate leadership in sustainability.



Installation details

Project: The Embassy of Belgium
Project Location: 50-N Chanakyapuri, New Delhi, India
EPC: Valour Promosales LLP
Capacity: 36KW
Inverter: GoodWe GW36K-MT
Commissioning Date: 13-08-2024

Solution

GoodWe collaborated with the Embassy of Belgium to provide an effective solar power solution, reducing dependence on traditional energy sources. Partnering with Valour Promosales LLP as the EPC contractor, the project saw the installation of a 36kW solar power system, utilizing the GoodWe GW36K-MT inverter. This installation significantly optimized energy efficiency within the embassy, setting a benchmark for sustainable practices in the diplomatic community.

This solar power system generates 48,832kWh of energy annually, reducing 34,100kg of CO₂ emissions and saving resources equivalent to burning 37,596 pounds of coal or consuming 3,351 gallons of diesel. The project aligns with both Belgium's and India's renewable energy goals, strengthens bilateral collaboration, and demonstrates how traditional architecture can integrate with modern sustainability practices.

Miss Veenu Chawla, founder and CEO of Valour Promosales LLP, commented on the project, saying:

“ We have a long-standing association with GoodWe built on trust and commitment to excellence. Together, we have implemented many significant projects. For this installation, we prioritized GoodWe's GW36K-MT inverter to meet the Embassy's needs for smart energy solutions. The results exceeded expectations, underscoring the reliability and advanced technology of GoodWe inverters alongside the precision and expertise of Valour Promosales. ”



Environmental Effect

Annual generation 48,832 kWh

PV generation saves 34,100 kg of carbon dioxide (CO₂), equivalent to



8.1

cars driven for
one year



4.4

homes energy
use for one year



37,596

pounds of coal
burned



3,351

gallons of diesel
consumed



2,252,064

number of
smartphones
charged

For more information about this project, please watch the video: https://youtu.be/IM_ZxTwKp34?si=_1Jm3m3XVvqAQuJb

For more information on SMT series, please visit our website page: en.goodwe.com/smt-series-three-phase-commercial-rooftop-solar-inverter

About GoodWe

GoodWe, listed on the Shanghai Stock Exchange (Stock Code: 688390), is a world-leading PV inverter manufacturer and smart energy solutions provider. As of June 2024, GoodWe has achieved a track record of 80 GW of installations across more than 100 countries and regions, serving residential, commercial and industrial (C&I), and utility-scale energy needs. With a global workforce of approximately 5,000 employees, including over 1,000 R&D professionals and more than 270 overseas staff, GoodWe demonstrates a strong commitment to innovation and localized service. The company has received seven consecutive TÜV Rheinland "All Quality Matters" awards and was recognized in 2021 as one of the Global Top 3 hybrid inverter suppliers by Wood Mackenzie. In 2024, GoodWe reached new milestones by opening its new global headquarters, launching its first overseas manufacturing base in Vietnam, and completing the third phase of its Guangde manufacturing base, further expanding its global footprint. For more information, please visit <https://en.goodwe.com/>