We design and build renewable power plants with storage in a fair and transparent way and we transfer the knowledge to local operators.

Smart Energy*

WWW.SMARTENERGY-SOLUTIONS.COM

WHO WE ARE

“Reducing barriers between technology and people.”

Photograph of the Barbuda project.

MISSION

Smart Energy contributes to energy transition by building turnkey power plants that integrate renewables and storage thus reducing the usage of fossil fuel. We cover the whole value chain from design to construction, including capacity building and O&M support. We also aim at maximizing economic benefits to local communities by building project collaboratively, offering high-standard technical training and long-term job opportunities.

VALUES

Community Development
We strive to develop local skills and maximize economic benefits of the project to local economy.

Excellence
We use our experience and know-how to design and implement solutions that are reliable and transferable to local operators.

Business Ethics
Our clients choose us for our business ethics:
Fairness to our subcontractors, Loyalty, Transparency.

WHAT DO WE DO

Turnkey Power Plants
We cover the whole project cycle from Engineering to Commissioning of Power Plants.

Distinctive Expertise
We implement Reliable Microgrids through successful integration of Solar, Battery Storage and gensets.

Operation and Maintenance Support
We invest in the Capacity Building of the Operation Team and continue to support them during operations and maintenance.

70%
localization of jobs during construction.

+300h.
of training for each project.

100%
localization of O&M through know how transfer.

100%
of our clients engage *us for new projects.*

*Wadup*Belize!

First solar hybrid plant and microgrid in Belize at Indian Creek, Toledo district.

**Wadup is used for greetings in Belize*

Solar power plant in Belize

Client

Belize Electricity Limited

Sponsors

Project managed by Masdar and sponsored by Abu Dhabi Fund for Development and the governement of Belize under UAE-CREF fund

Local Work Force

CONSTRUCTION: **70%**
OPERATION: **100%**

Savings

430 TONS OF CO2 PER YEAR
170,000 LITERS OF DIESEL PER YEAR

Technology

SOLAR: **403 kWp**
STORAGE: **660 kWh**
BACK UP: **230 kVA**

Status

In operation

Application

Micro-grid

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*Wagwan** Antigua and Barbuda!

First solar hybrid plant to power the whole island of Barbuda.

**Wagwan is used for greetings in Barbuda*

Solar power plant in Barbuda

Client

Antigua Public Utilities Authority

Sponsors

Project managed by Masdar and sponsored by Abu Dhabi Fund for Development, Caricom Development Fund, Government of New Zealand and the Government of Antigua and Barbuda.

Local Work Force

CONSTRUCTION: **70%**
OPERATION: **100%**

Savings

900 TONS OF CO2 PER YEAR
300,000 LITERS OF DIESEL PER YEAR

Technology

SOLAR: **720 kWp**
STORAGE: **1,000 kWh**
BACK UP: **820 kVA**

Status

In operation

Application

Micro-grid

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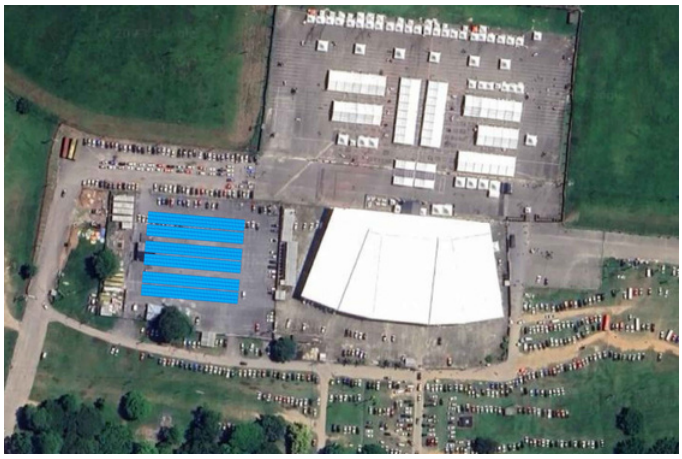
Trinidad & Tobago

Bringing sustainability to the forefront of the iconic Carnival of Trinidad and Tobago!



Client

Ministry of Energy and Energy Industries of Trinidad and Tobago
Trinidad and Tobago Electricity Commission
National Carnival Commission

Sponsors

Masdar, UAE Ministry of Foreign Affairs and Abu Dhabi Fund for Development

Technology

Solar Carport: **500 kWp**
EV Chargers

Status

In progress

Application

On-grid

Saint Lucia

Bringing clean energy to the aviation sector in Saint Lucia.

Client

Saint Lucia Airport and Sea Ports Authority

Sponsors

Masdar, UAE Ministry of Foreign Affairs and Abu Dhabi Fund for Development

Technology

Solar Carport: **430 kWp**
EV Chargers
Solar Street lights

Status

In progress

Application

On-grid

Smart Energy*

Dominica

Stabilizing Dominica's grid by installing Battery Storage for Spinning reserve

Client

DOMLEC

Sponsors

Masdar, UAE Ministry of Foreign Affairs and Abu Dhabi Fund for Development

Technology

Li-ion Battery Storage: **6 MW/6 MWh**

Status

In progress

Application

Grid Services

WWW.SMARTENERGY-SOLUTIONS.COM

Empowering local communities to achieve sustainability.

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