Hybrid systems: wind, solar and storage
Hybrid solutions

At Siemens Gamesa we know how to combine wind, solar and storage technologies to offer a superior hybrid solution

- Flexible, modular and scalable.
- Reduced LCoE.
- Enhanced grid stability.
- Full turnkey solutions with in-house Hybrid Plant Controller (HPC).
- Ready for the new energy framework.
Siemens Gamesa hybrid offering. Tailor-made to your needs

Hybrid Plant Controller

- Premium in-house power electronics

Solar PV
Wind
BESS

Hybrid solutions for on- and off-grid projects
At Siemens Gamesa we apply a central hybrid control & scada tool (HPC) to manage multiple strategies for renewable energy generation in combination with storage. If your project is in remote areas with an isolated grid, you can choose the off-grid option while on-grid version is perfect for grid-coupled projects.

Siemens Gamesa is the best partner throughout the entire value chain of hybrid projects

A multidisciplinary team takes care of your specific needs and optimizes your business case through technical and economic tools:

**Downstream**
- Project development
- Integration EPC
- O&M
- Financial support

**Upstream**
- Wind OEM / cell & module supply
- Power conversion
- Software & control

- Optimization of hybrid plant design using proprietary tools as well as extensive experience in wind and solar PV development.
- Offering from technology supply up to a full EPC of the hybrid plant. Proven EPC expertise.
- O&M experience for both wind and solar PV plants.
- Bankable hybrid solution. Financing support available.
- Proven technology supplier. World-class wind OEM with most extensive portfolio.
- In-house premium inverters for wind, BESS and solar PV. Products with the highest UL and IEC certification standards for worldwide deployment.
- Hybrid Plant Controller (HPC) advanced in-house solution. Premium SCADA system and advanced forecasting tools.

**Customized hybrid solutions**
**Feasibility studies engineering support**
**Off- and on-grid plug & play solutions**

**EPC capabilities**
**Financing solutions through SFS**
**Hybrid O&M Mega meteo**

**Optimization**
**Integration**
**O&M**
**Financial support**

**Wind OEM / cell & module supply**
**Power conversion**
**Software & control**

**Project development**
**Integration EPC**
**O&M**
**Financial support**

**Downstream**
**Upstream**

**HPC**