

Powerful energy solutions for you.



ADVANCED GRID SOLUTIONS

VENSYS and Goldwind wind turbines are a reliable part of any energy grid. Our grid team’s depth of technical and commercial expertise provides us with a significant competitive advantage in securing robust and efficient grid connections.



LOCAL EXPERTISE

Market knowledge, permitting, grid connection and established industry relationships.

PROVEN EXECUTION

Utility-scale renewable delivery, operational experience and performance-backed commitments.

BANKABLE PARTNERSHIP

Project finance expertise, strong parent backing and flexible partnering structures.

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WIND + BESS DC COUPLING

Turn every turbine into a smarter energy asset.

BIDIRECTIONAL

Power flows between the grid and storage

FLEXIBLE

10-100% storage ratio
2h or 4h

INTEGRATED

Turbine, BESS and plant control as one

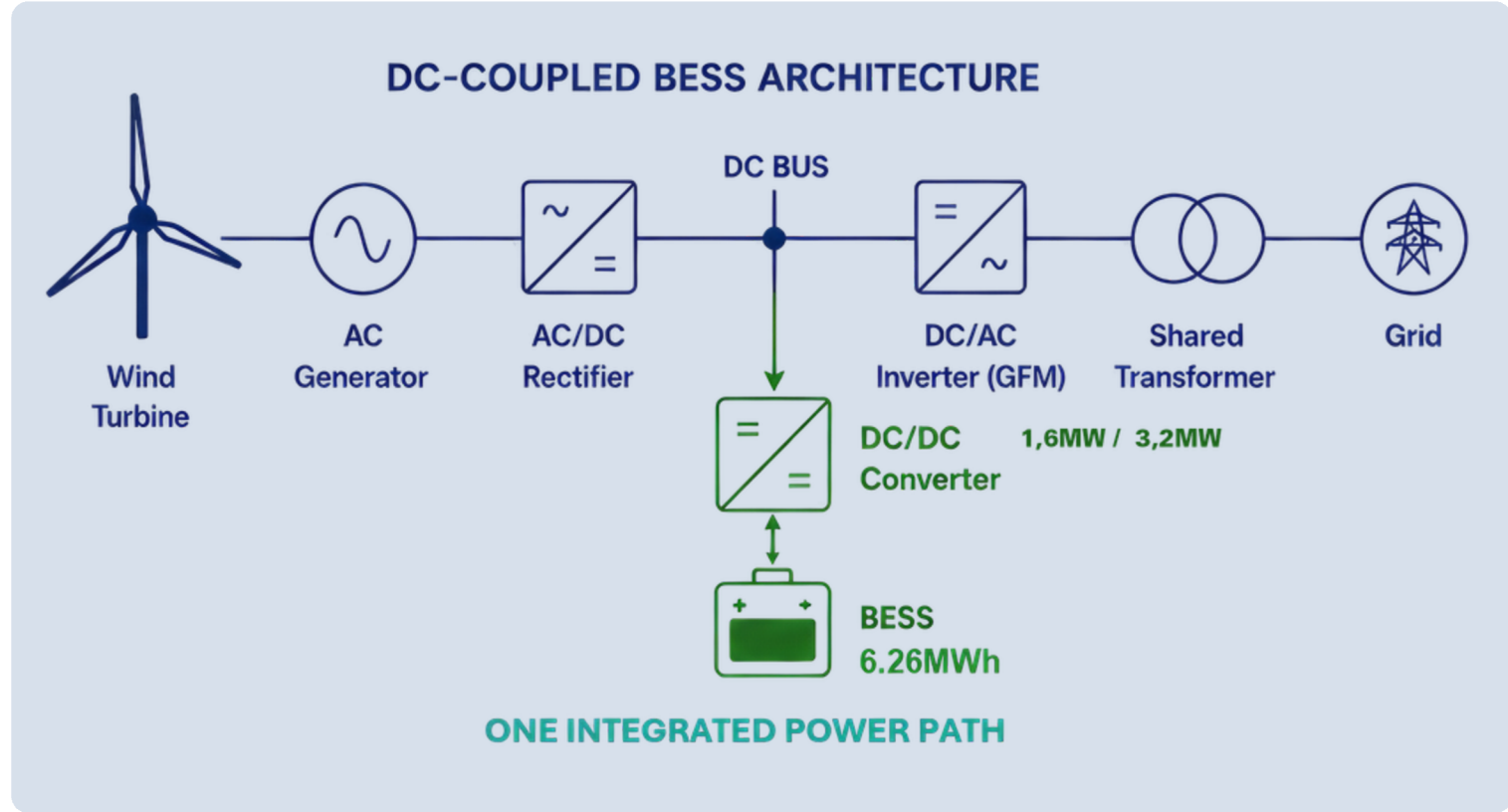
Capture curtailed *wind*.
Strengthen the grid.
Unlock new revenue -
without duplicating
infrastructure.

MAKE WIND
DISPATCHABLE

Share the infrastructure.
Multiply the value.

One partner. One controller.
One bankable path to value.

VENSYS and Goldwind - DC coupling connects storage at the wind turbine, combining local energy capture with plant-wide control.



An integrated solution for wind, storage, grid performance and market execution.

- 01 **DESIGN FOR THE BUSINESS CASE**
Capacity ratio, revenue logic, topology selection and grid simulation.
- 02 **DELIVER AS ONE HYBRID PLANT**
Wind turbines, DC BESS, DC/DC converter and coordinated commissioning.
- 03 **OPERATE FOR LIFECYCLE VALUE**
HPPC dispatch, market interfaces, grid compliance and performance optimisation.



176.145 MW reference power	347.30 MWh+ reference energy	202 units delivered / under delivery
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LOWER CAPEX
Use more of what is already there.

Share turbine transformers, collection infrastructure, substation systems and SCADA.

STRONGER GRID
Perform where the network is weak.

Support voltage stability and inertia response, with millisecond-level control.

MORE SELLABLE ENERGY
Store low-value wind. Release it when it matters.

Capture curtailed energy locally and reduce conversion losses before high-price dispatch.

SIMPLER INTEGRATION
Connect and control as one plant.

Use an integrated grid model and coordinated HPPC execution across wind and storage.

- 01 **Proven track record**
Grid connections on large generating scales successfully completed across the world.
- 02 **Industry relationships**
Trusted relationships with local Network Service Providers during the grid connection process, reducing potential risks strict project deadlines.
- 03 **Grid expertise**
Grid team's expertise in modelling, control systems, SCADA, connection and connection agreements is frequently sought by industry stakeholders to navigate the rapid growth and integration of renewables in electricity networks.
- 04 **Grid-forming capability**
With behavior mimicking that of synchronous generators, our grid-forming wind turbines (with and without BESS) make connection into every weak grid regions a possibility.