univers

# Powering a First-of-its-Kind Hybrid Renewable Project in Egypt

Univers unified 1.1 GW of solar and 100 MW / 200 MWh of storage into a single grid-compliant asset — passing grid-connection testing in one day, ten days ahead of schedule.

| 1.1 GW | 200 MWh | 10 Days | 1 Day |
|---|---|---|---|
| Solar Capacity | Battery Storage | Ahead of Grid Schedule | Grid-Connection Test Passed |

## About the Customer

A leading independent power producer (IPP) delivering one of Egypt's first utility-scale hybrid solar-plus-storage projects. Located in Upper Egypt, the site combines 1.1 GW of solar with a 100 MW / 200 MWh battery on a single grid connection, built with separate solar and BESS OEMs. Phase 1 is in stable commercial operation; Phase 2 is in progress.

## Univer's Solution

Univers delivered the full intelligence layer that lets two different OEM stacks operate as one dispatchable hybrid plant:

**Hybrid Power Plant Controller (HPPC):**

Coordinates active and reactive power across solar and storage in real time — meeting grid-code response for frequency, voltage and ramp-rate, and orchestrating both OEM systems as a single plant rather than two co-located ones.

**Hybrid & asset SCADA:**

A single pane of glass across the whole asset, with dedicated PV and BESS SCADA preserving OEM-level visibility down to the inverter and battery rack, plus alarm management and automated reporting.

**EMS with forecasting:**

Integrates third-party weather and price forecasting directly into dispatch logic, maximising revenue across the hybrid asset instead of optimising solar and storage in isolation.

