

Hydrogen Electric

Hydrogen Production
Power Supply

Green Electrolytic
Hydrogen

Off-grid Hydrogen
Systems

Hydrogen-Electricity
Coupling

Production Control
& Monitoring

Core Products

- Green Electrolytic Hydrogen systems up to 2 megawatts powered by wind and solar energy
- Off-grid hydrogen systems that work as a fully standalone power supply
- Hydrogen-Electricity Coupling systems that keeps a steady and reliable current so the hydrogen cells perform at optimal level.
- Production Control & Monitoring digital platform to track and manage end-to-end production
- Automatic load control systems that adjust power output up or down as renewable energy rises or falls

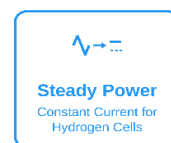
Capabilities

- Site assessment, planning and system design
- Integration of wind and solar systems
- Grid-connected system design
- Control and monitoring system integration
- Equipment supply, installation, testing, commissioning and certification
- Digital platform setup and integration
- Operation and Maintenance services

Producing hydrogen requires a reliable, steady electrical current to split water molecules. Furthermore, renewable sources like wind and solar, generate variable power that ebbs and flows throughout the day.

Terra Sol provides the equipment that sits between the renewable source and the hydrogen plant. The equipment converts incoming power and keeps current stable as renewable output changes.

Each unit delivers the steady DC power required by hydrogen systems, with the flexibility to operate either on or off the grid.



Green

Stable

Scalable