



Solving the challenges for a sustainable future

Dancing with wind solution for the green hydrogen and green ammonia plant

Conflict of Renewable Energy and Traditional Ammonia Synthesis Process

Renewable Energy Source

- Large fluctuation range
- Fastly fluctuations change speed
- Highly random and hard to predicate
- High potential for power interruption
- Difficult to energy storage

Traditional Ammonia Synthesis Process

- Narrow load fluctuation range
- Slowly load fluctuations change speed

Operation according to scheduling plan

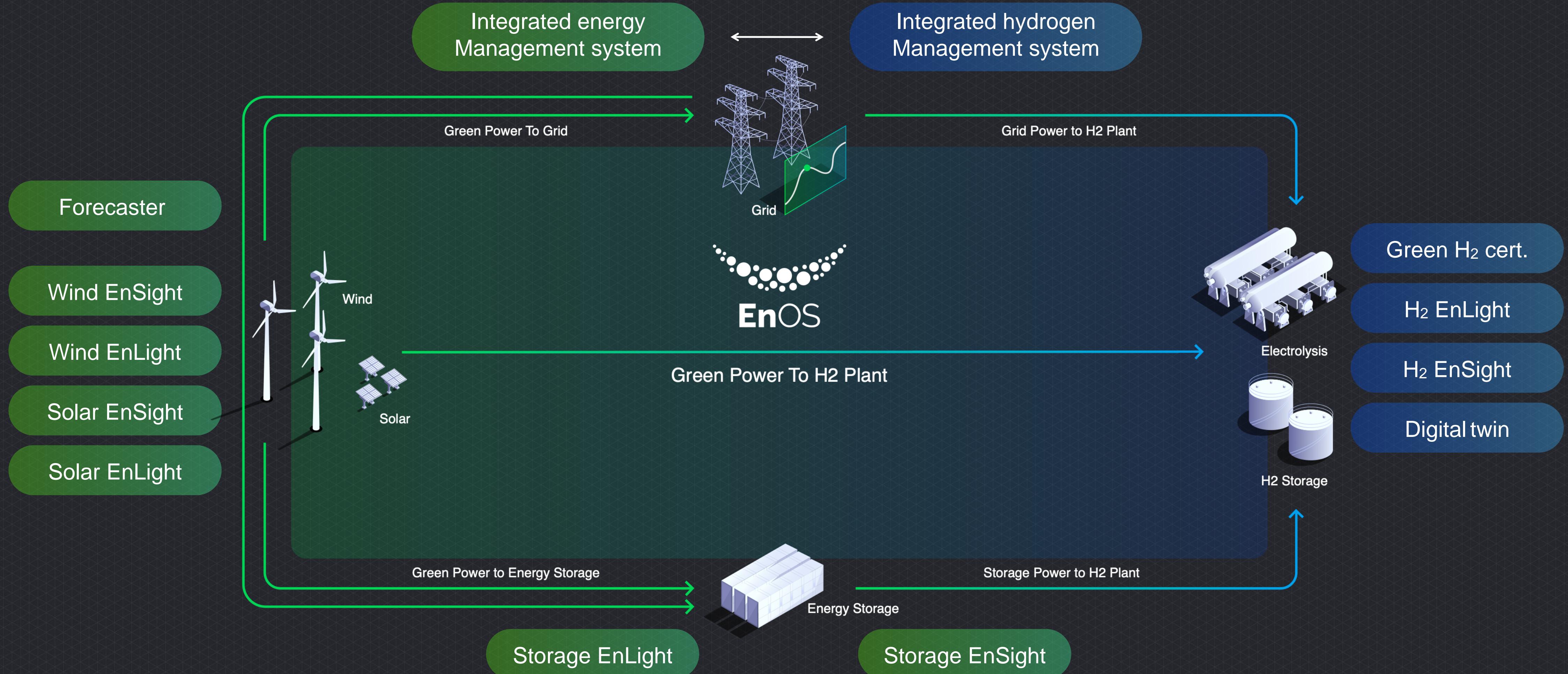
- Continuous operation whenever possible
- Easily to storage liquid ammonia

Integrated management system based on EnOS

AIoT dynamic optimization of renewables-grid-H2

Power Management

H₂ Plant Management





Thank You