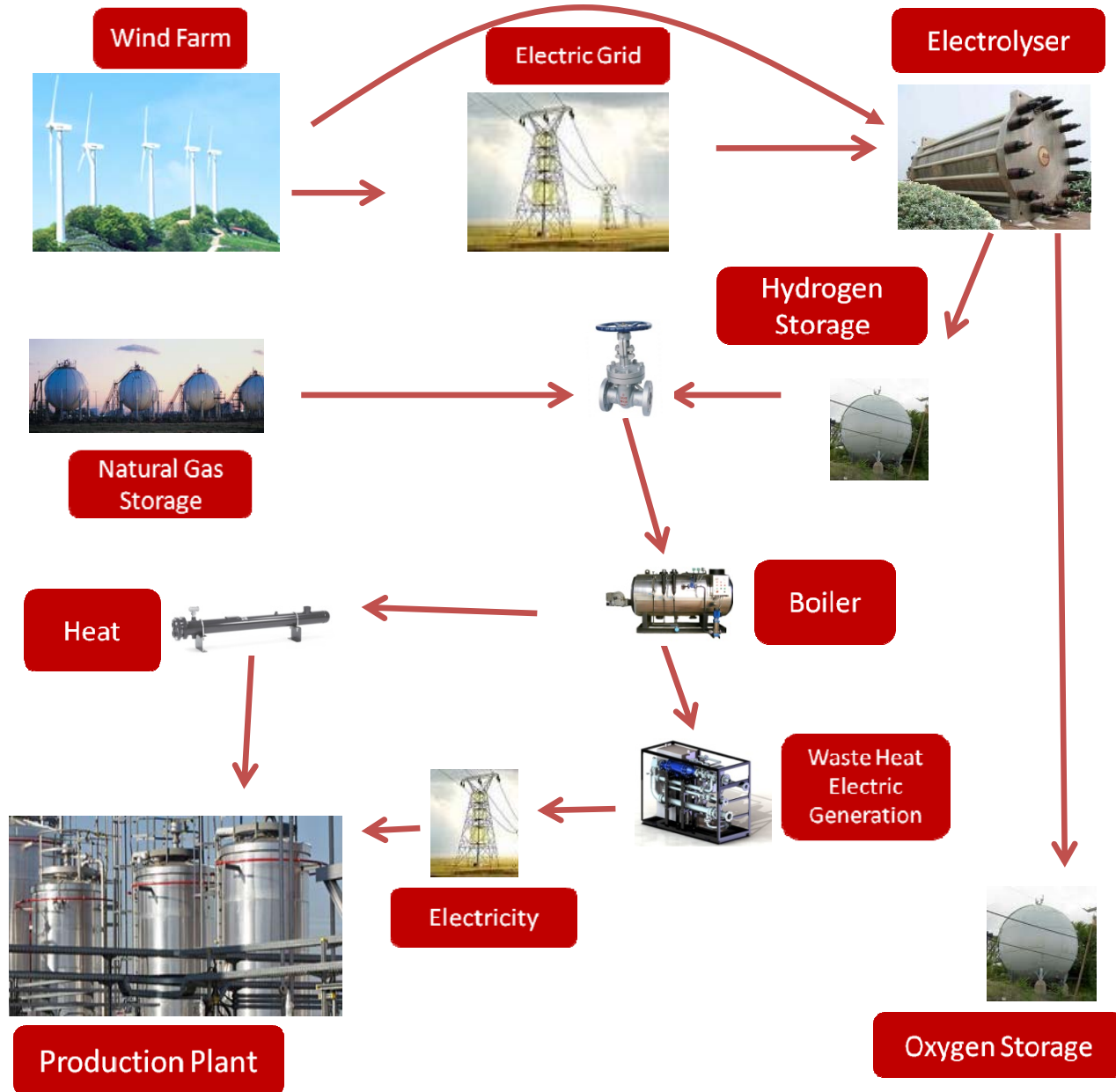


MAIN GOAL

Demonstrate the integration of RES with H2 production and CHP

SECONDARY GOALS

- Improve RES management linked to the Hydrogen production via electrolysis
- Demonstrate components and system robustness during cycling and transient operating conditions
- Study of mechanical, thermal and electro-chemical stability, lifetime of the electrolyser
- O&M Optimization
- R&D :
 - Advanced power electronics
 - Hydrogen/natural gas mixtures equipment
 - Gas thermal efficiency
 - Electrolyser components and materials
- Outreach & Public acceptance of Hydrogen
- RCS harmonization of electrolyser technology



PARTNERS

- Coupling of RES with H₂ production via Electrolysis
- **Boilers and Hydrogen Combustion**
- **Waste Heat Electric Conversion**
- **Bulk Storage**
- System Control & Integration

