

Hybrid Solutions

Providing decarbonized power
with high availability

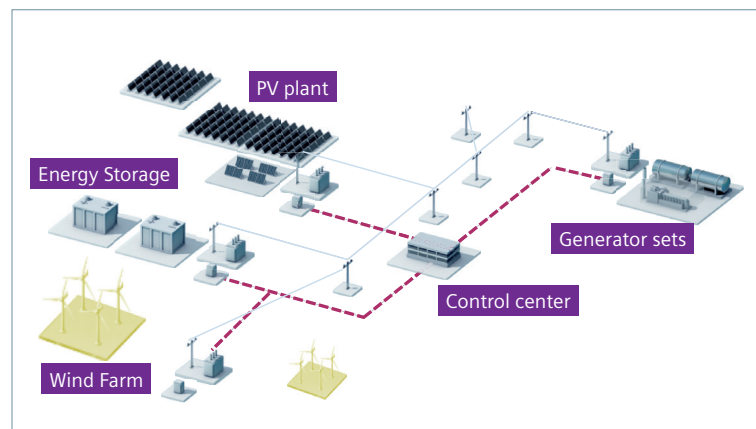
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Challenges

- Remoteness of the energy system with lack of infrastructure, e.g. inefficient grid
- Demand for carbon emission reduction
- Need for improved plant control capabilities due to increased penetration of renewable energy
- Finding best business case/operation model for energy requirements (electricity, heat and cold)
- Increasing complexity of energy market

Solution

- Decentralized hybrid energy system overcoming infrastructure deficiency
- One decarbonized solution by integration of different technologies (renewables, storage, fossil)
- Advanced control capabilities integrating different technologies for easy operation and most efficient operation model (including grid services)
- Tailored solutions addressing various applications including heat, cold and power demands for local needs
- Integration of renewable technologies providing access to public funding schemes



Benefits

- Enhanced reliability and availability of energy supply
- Reduced emissions with decarbonized energy generation
- Improved controllability of complex energy systems
- Optimized plant operation for minimized OPEX
- Highest flexibility by integrating existing assets
- Increased overall profitability by additional revenue streams