CPG Subsea Power Plant – When solutions come together Aready wondered how to decarbonize offshore facilities?

Fields of application

- CO₂ Storage Offshore in depleted Oiland Gas-fields (Transgeo)
- DOC Direct Ocean Capture
- Combination with Offshore Windparks
- Hydrogen production (OffsH2ore)
- Ammonia production
- Methanol production
- Offshore fuel station for ships
- Water desalination
- Subsea Data Centers
- Supply of Oil and gas platforms
- FPSO Power Supply



Ozeane der Wahl

Nasserstoff kar rzeugt werdei owohl in ein Offshore-Windtu als auch auf eine **Offshore-Plattform** integriert werden kann

------ Strom ------ Wasserstoff



MAN Energy Solutions











CPG physics simplified – How a machine sees it



MAN Subsea Technology

 120`000 operating hours 99% Availability



 p_{loss} indicates the pressure losses in the complete loop

Benefits

- Baseload and peakload capable
- No weather dependency (delivers) even during storm conditions)
- Mature technological components
- close to 100% availability at 100% power
- Scalable (max. 20MW permachine)