



ZEG Power - an energy technology revolution!



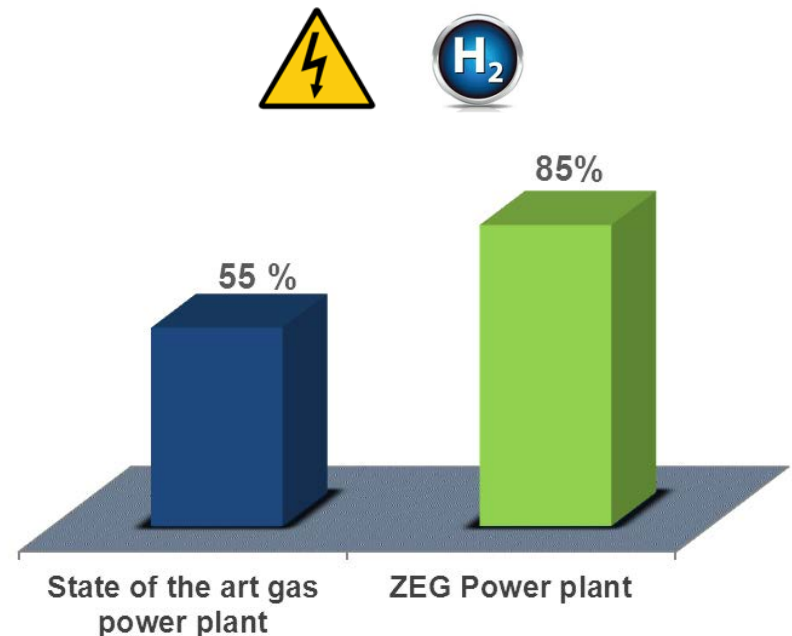
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ZEG[®] - superior energy technology

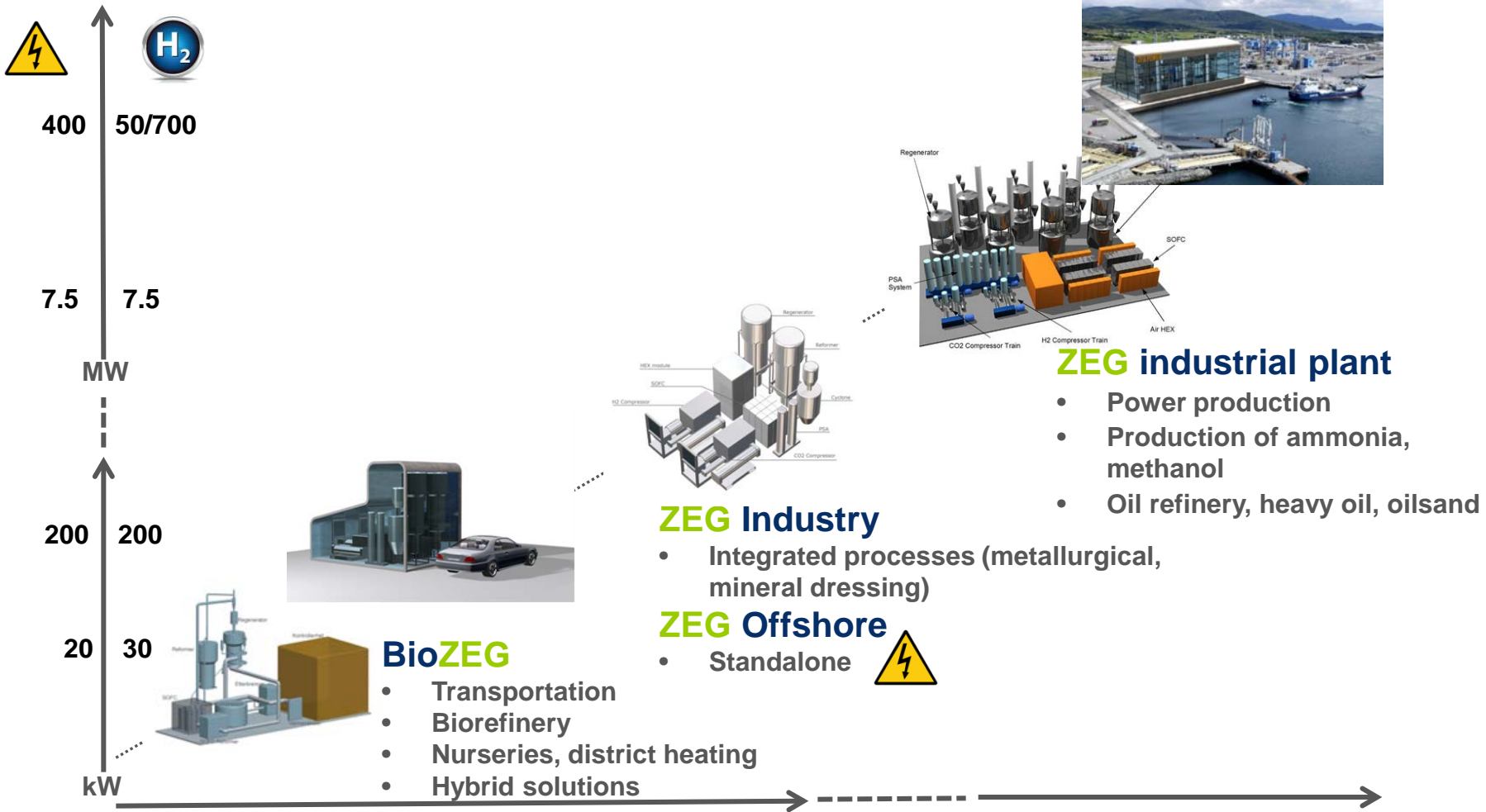
Electricity and hydrogen production

- No release of greenhouse gases
- No air pollution
- Carbon based fuel, fossil or non-fossil
 - Decreased use of fossil fuels
 - Increased lifespan of fossil energy reserves



ZEG[®] - a module based platform technology

Scale and complexity



BioZEG – Supported by Innovation Norway and Statoil

- Demonstration, 2011 - 2013 HyNor Lillestrøm Phase 2
- Cost-effective stand alone green production of hydrogen and electricity

- **Objective:**

- Thermal Integration of SOFC & Regenerator (in SESMR)

- **Input:**

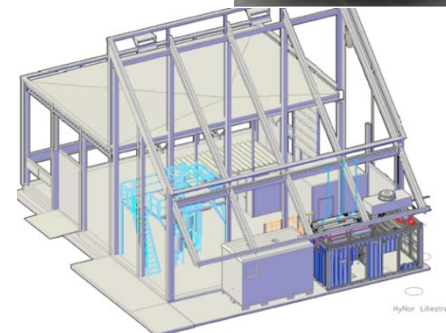
- Biomethane (upgraded landfill gas)

- **Output:**

- Hydrogen (30 kWh₂)
- Electricity (20 kW_{el})
- CO₂

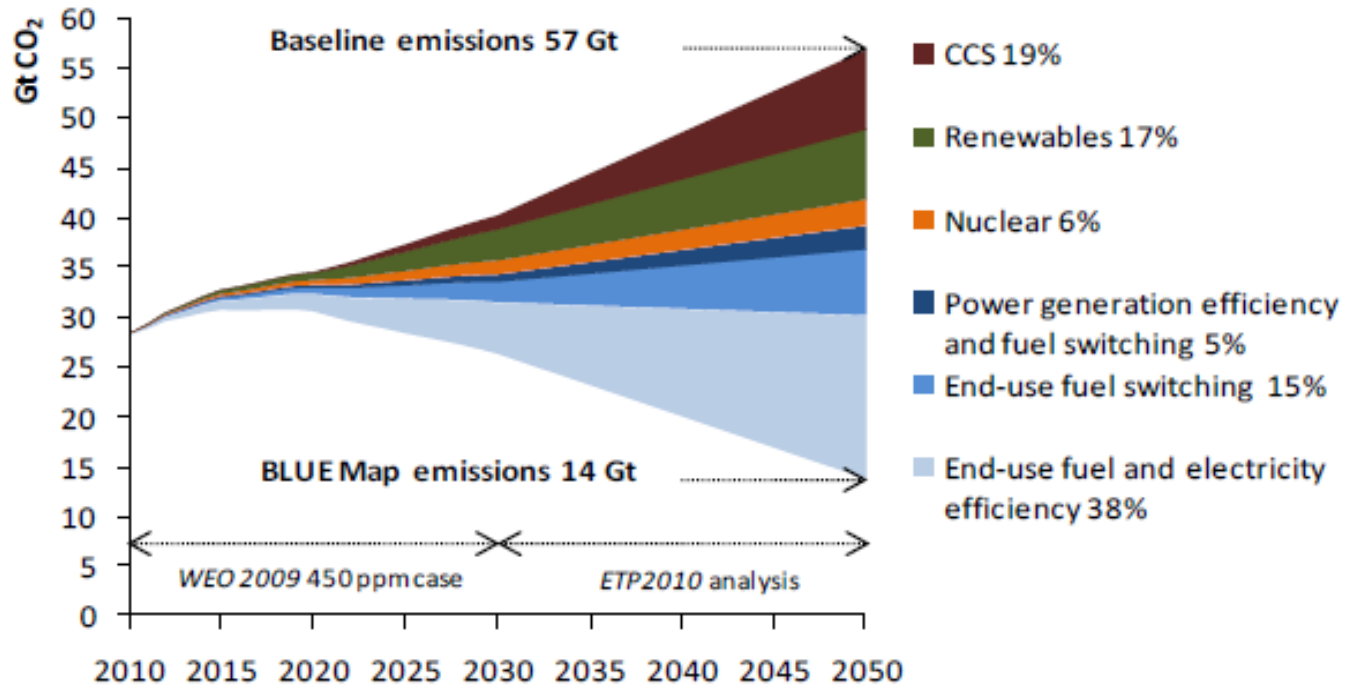
- **Further development of the BioZEG concept:**

- Optimal size of plant; cost, benchmarking
- Sources of fuel; cost/benefit
- Integrated solutions; use of products
- Next step; **BioZEG₄₀₀**





Why we need ZEG[®]



IEA ETP 2010

- Offer unrivalled efficiency and environmental friendly energy production
- Bridging the gap to sustainable energy supply

ZEG Power as



Superior technology for high - efficiency energy production

Interested? Welcome to the *ZEG Power* stand!