

Carbon Clean Solutions at a glance.....



plant sizing & emissions

20 staff across UK HQ, India & USA

robust supply chain & world class partners

lowest solvent & energy use

>10 demo & commercial sites up to **240TPD**

In association with:



Imperial College London



Department of Energy & Climate Change

U.S. Department of Energy National Carbon Capture Center



lowest cost,



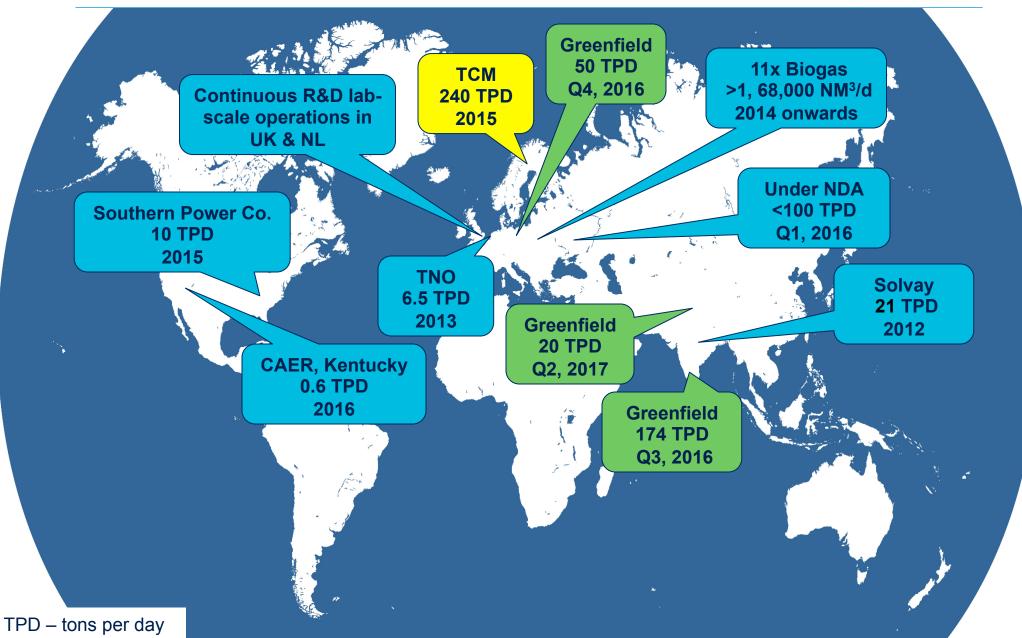
founded 2009

UK PE backed

drop-in solvent & greenfield project execution

Key CO2 Capture Projects





Results from Mongstad Demo



- 25,000 tons CO₂ captured via two campaigns
 - Zero downtime → 100% reliable operations
- Less corrosion; cheaper material of construction (S235) for 50% of the plant
 - Use of cheaper steel → CAPEX saving ~ 25%
- Parts per billion (ppb) level ammonia emissions
 - 165x times less solvent degradation into ammonia
- Well below permissible limit of solvent emissions
 - 80x times less aerosols emissions

Superior Solvent Stability



MEA visual change in 1000 operating hours



APBS visual change in 1000 operating hours

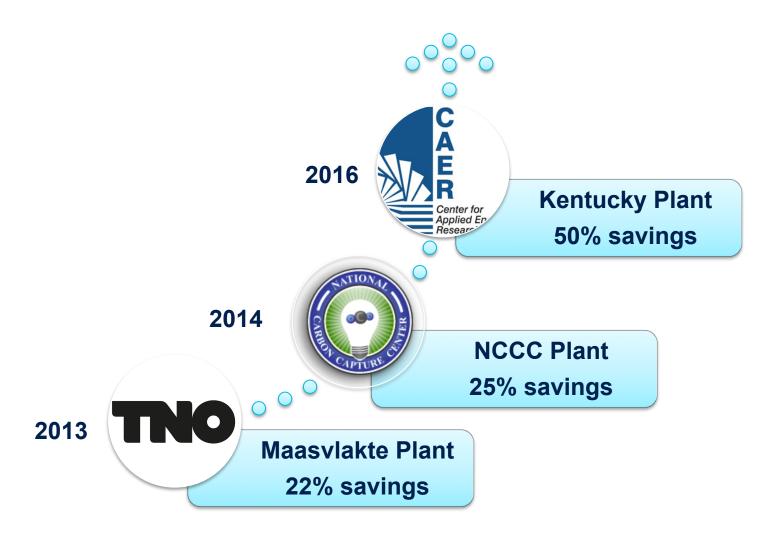


Validation E.ON Maasklavte plant

Continuing Improvement in Energy Savings



Energy comparison to MEA (Coal fired post combustion CO₂ capture plant)



Industrial scale project in India





- 174 Tons/Day of CO2 capture from 10MW coal-fired boiler
- Captured CO2 will be purified to food grade
- Based on CCSL design and patented chemical
- Commissioning in Q2 of 2016
- 40% smaller footprint, major carbon steel use

Key Benefits of our APBS Solvent



- Demonstrated patented technology
- CAPEX saving ~ 25% va MEA;
- Energy savings upto 50% vs MEA;
- Lower vapor pressure → less corrosive → less degradation
- REACH and GHS compliant solvent material safety datasheet;
- Building first of it's kind CO2 capture from power plant project in India. Captured CO2 to be used for chemical production
- Looking for partners to execute future industrial carbon capture (iCCU) projects

Contact Details



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