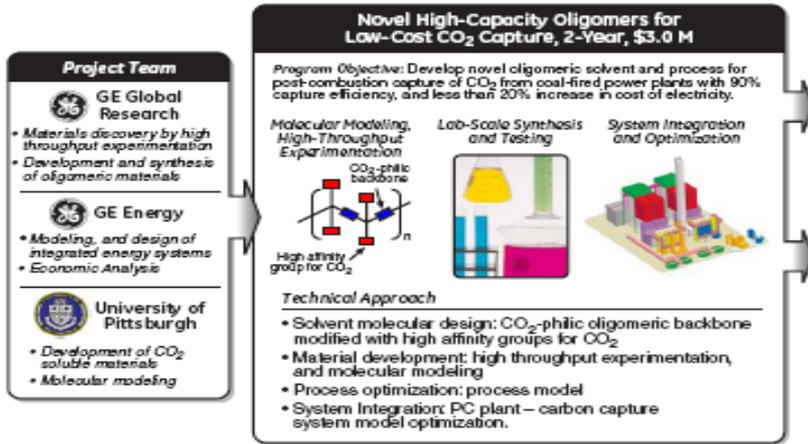
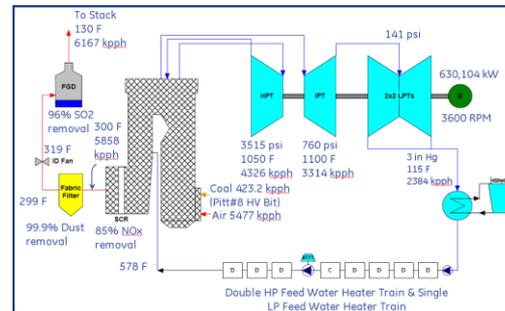
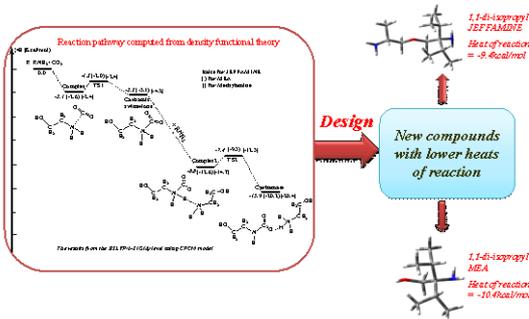


Novel High Capacity Oligomers for Low Cost CO₂ Capture

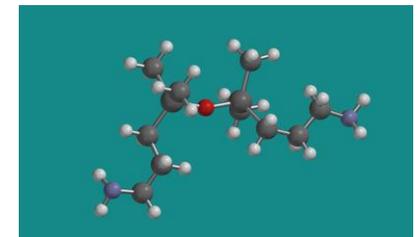
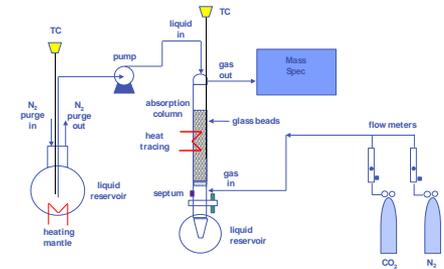
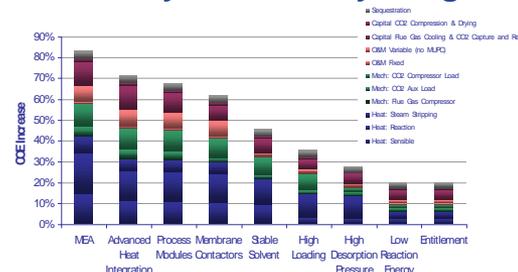


Program Deliverables:

- Develop a novel, CO₂ capture solvent with:
- 90% Carbon capture efficiency
- 25% Increase in capacity vs MEA
- Less than 35% increase in Cost of Energy Services (COE)



GE Energy – power plant process modeling and COE analysis with fully integrated system



U Pitt - molecular modeling to predict thermodynamic and physical properties of new solvents



GRC – synthesis, high throughput (HTS) screening, solvent property determination, and construction of bench scale continuous absorption/desorption units

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