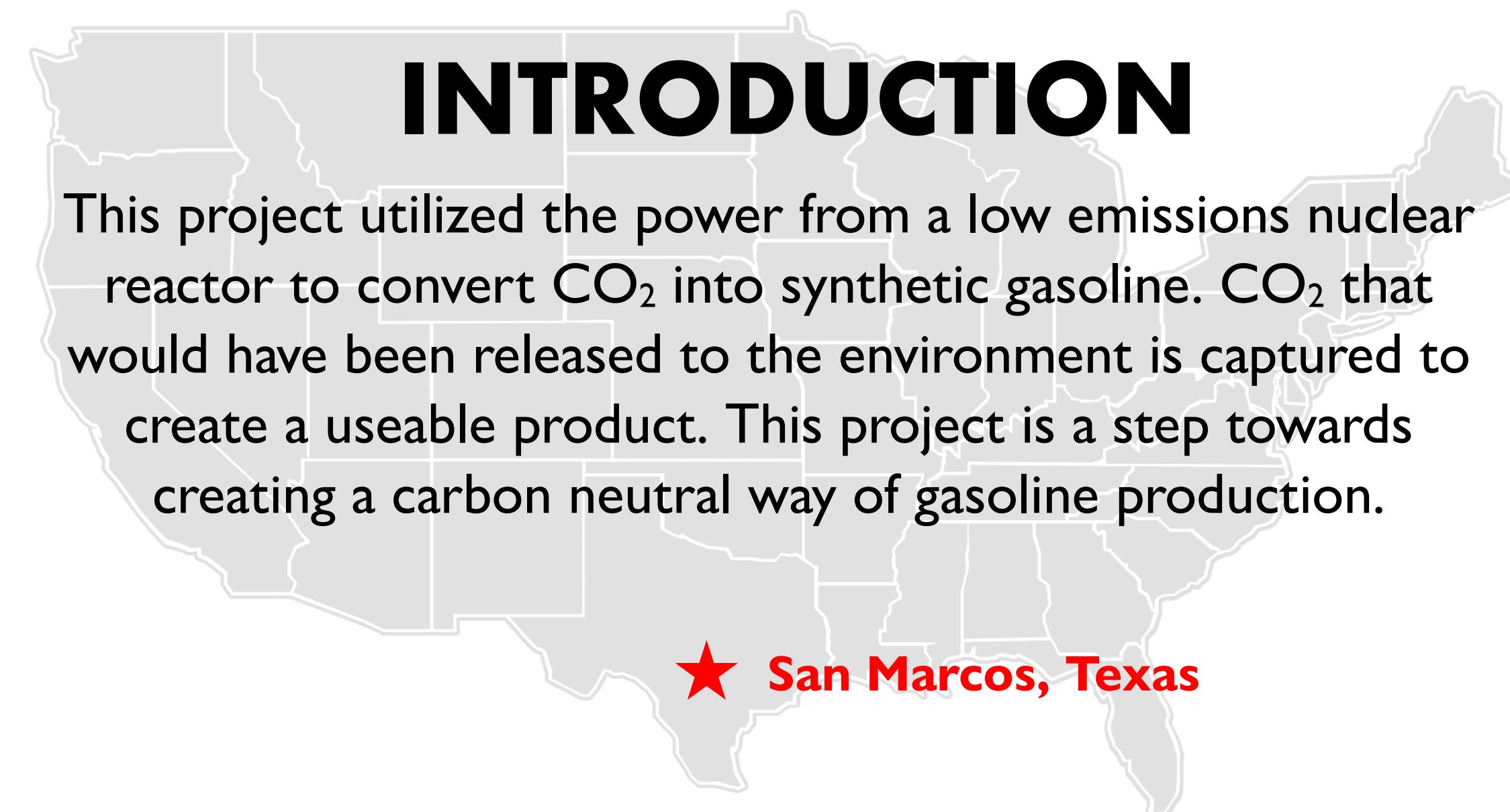


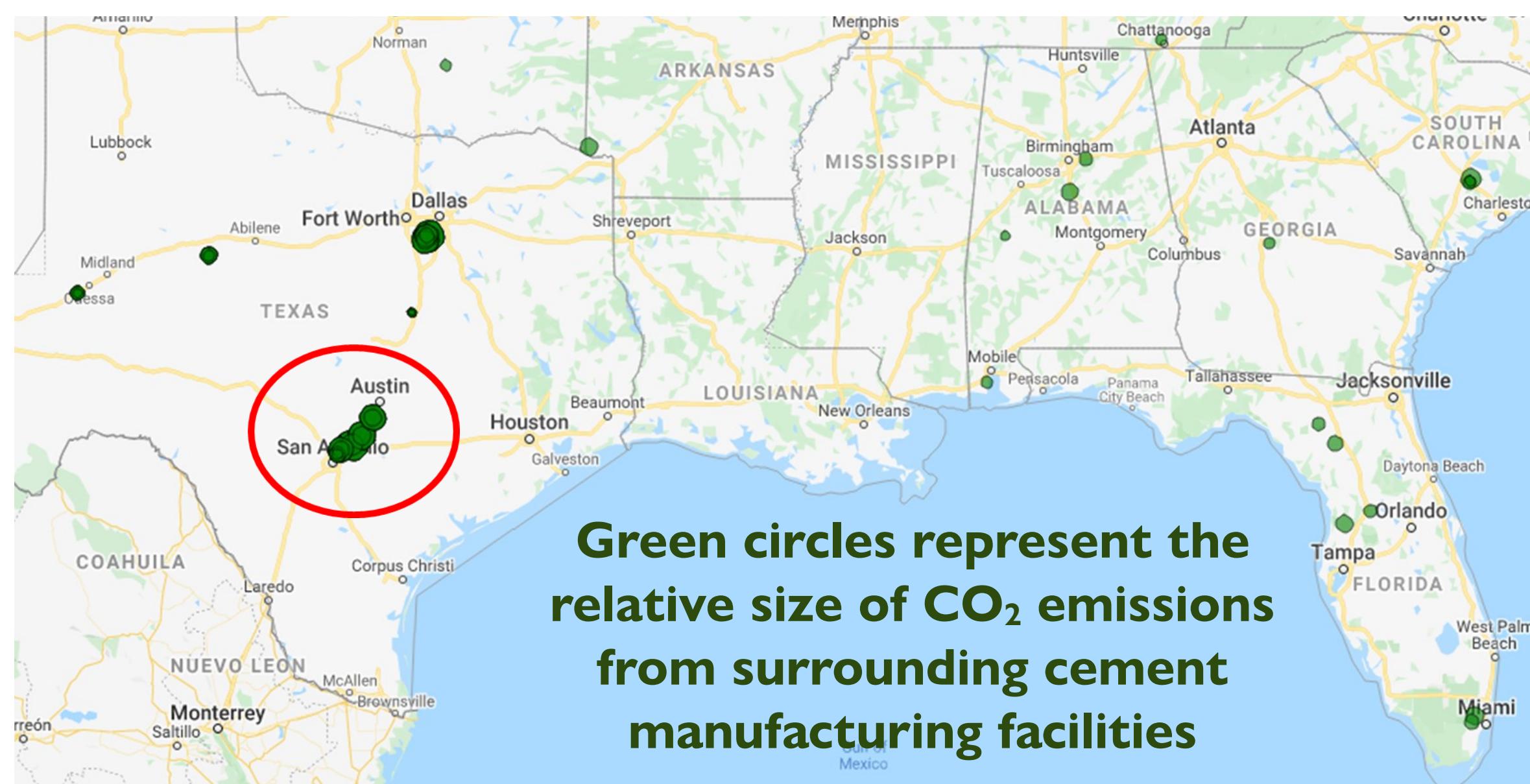
# Nuclear Powered Carbon Capture and Water Electrolysis for Gasoline Production Using Fischer-Tropsch



Group P7: Jade May, Monelle Thomson, Nathan Melo, Matt Budai, Cheyanne Nikolaisen, Connor Meinke, Tai Williams, and Erin Hagen



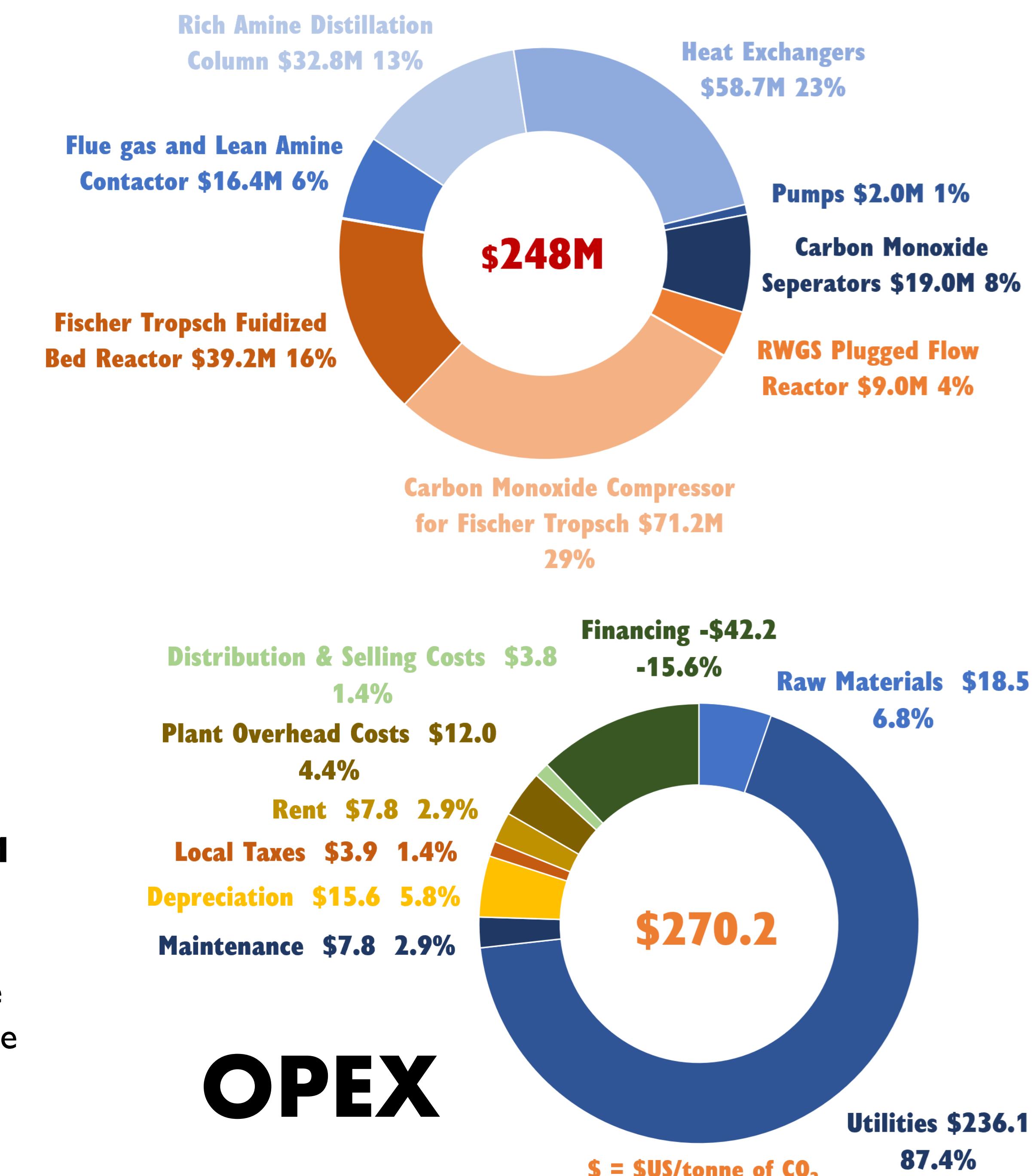
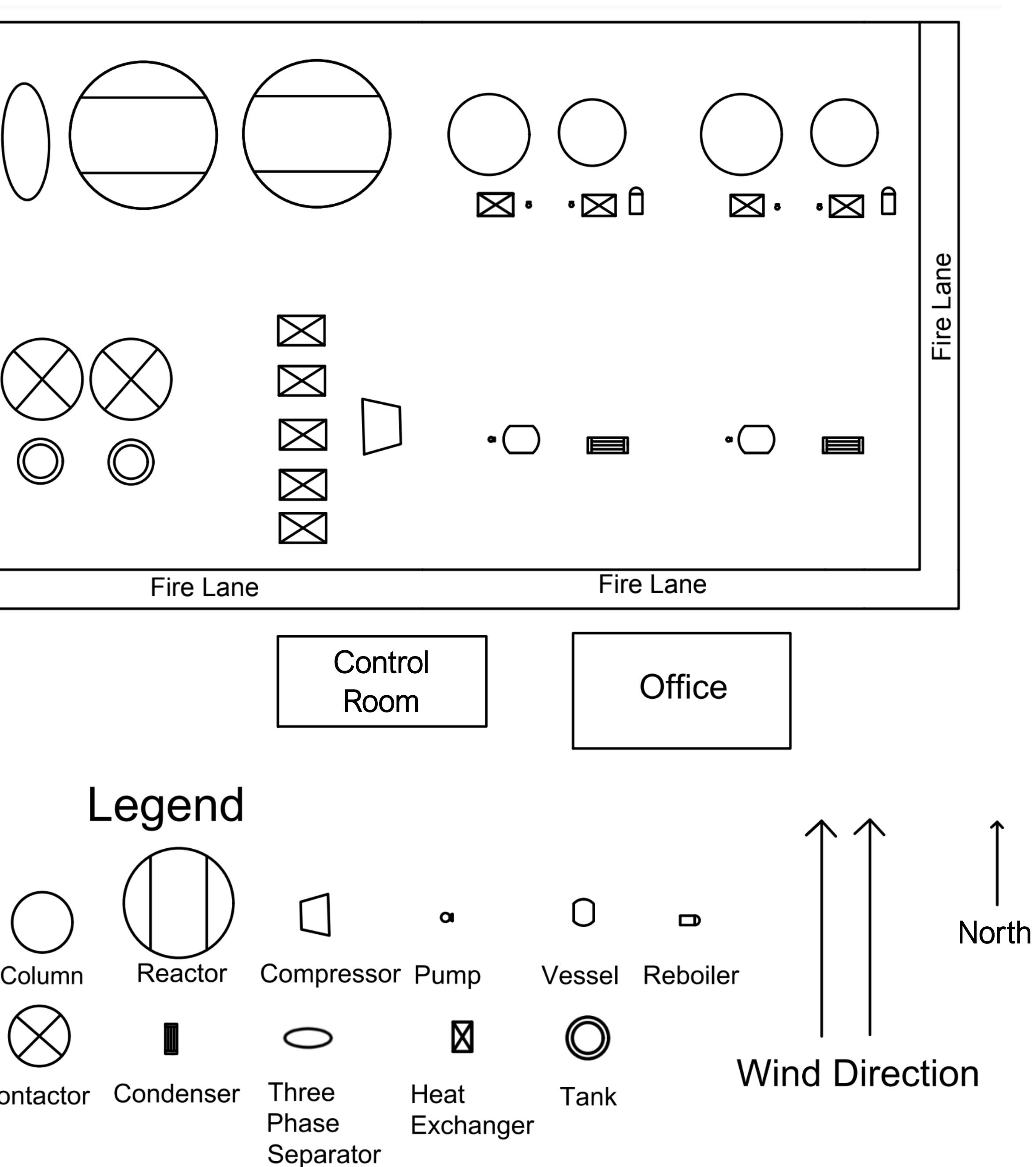
**1.4M tonnes per year of CO<sub>2</sub> is made into a useable product instead of being released to the atmosphere**



## PLANT LAYOUT

**Legend:**

- Column
- Reactor
- Compressor Pump
- Vessel
- Reboiler
- Tank
- Contactor
- Condenser
- Three Phase Separator
- Heat Exchanger
- Wind Direction
- North



## ENVIRONMENTAL IMPACT

**5M tonne/y Unreacted Flue Gas**

**290K tonne/y Waste Water**

**47K tonne/y Light Gases**

## INDUSTRY SPONSOR

# TERRESTRIAL ENERGY

Terrestrial Energy, established in 2013, is a leading technology company in innovative advanced reactors with a focus on nuclear energy in an effort to bring consumers emission-free, cost-competitive and reliable energy.