



Decarbonization is a 'must do' now

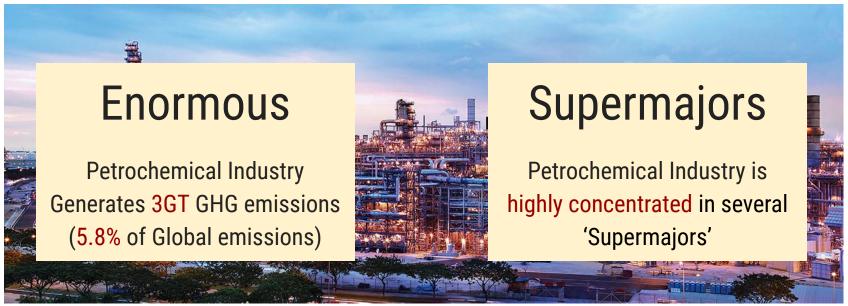


Global climate change due to the global warming, we are running out of time...

We need to decarbonize immediately with a meaningful scale.



Why Petrochemicals?











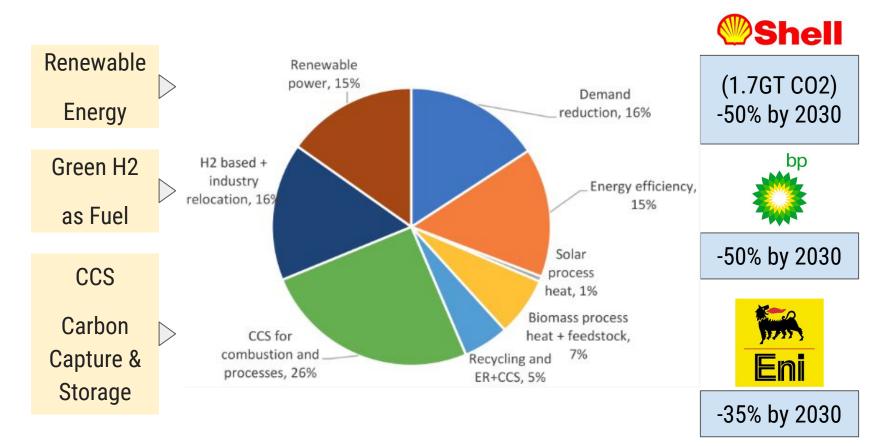








How Petrochemicals decarbonize?





The pain point is... cost



Carbon Credit
Cost
US\$90+
Per Ton eCO2



CCS/CCUS
Cost
US\$120+
Per Ton eCO2



Cost
US\$134+
Per Ton eCO2



Green Hydrogen
Cost
US\$3K+
Per Ton eCO2



Use Case in Taiwan



The largest petrochemical company in Taiwan - CPC
The ethylene factory produces 800K ton/yr, and emittes 1M+ ton CO2/yr

Using 3 years' operational data to train Al model, combining domain knowledge and academic theory

Al model can forecast the Production Output & Energy Consumption with Materials Input to 98% accuracy

Al model can provide the suggestion of key parameters for best efficiency of production



Use Case in Taiwan



40,000 tons CO2/yr

Decarbonization

+

US\$5M/yr

Cost Saving

6



Competitive Strength



Cost
US\$10
Per Ton eCO2



Carbon Credit
Cost
US\$90+
Per Ton eCO2



CCS/CCUS
Cost
US\$120+
Per Ton eCO2



Renewable
Energy
Cost
US\$134+
Per Ton eCO2



Green Hydrogen
Cost
US\$3K+
Per Ton eCO2



Unique Strengths of Our AI Solution

AI Tools

Domain Knowledge Academic Theory



We select the BEST FIT AI models for specific purpose, and mix of 3 AI models to come out the best outcome.



We had learned from field operators and domain experts more than one year and integrated with our solution.



We also include the academic theory of thermal dynamics with our Al models to come out the best outcome.



yoyochiang@WeThinkAl.co

US: +1-415-975-4869 TW: +886-988-580206

