

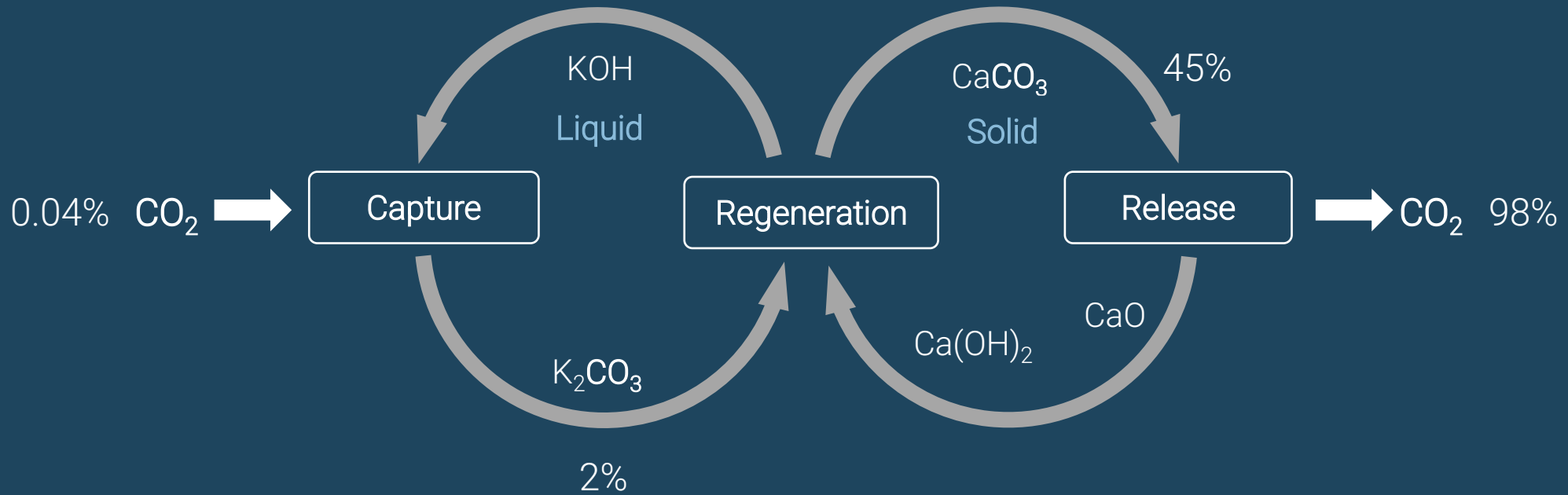
DAC Technology & Reactive Capture

PRESENTED TO
Reactive Carbon Capture

PRESENTED BY
Todd Wilke

DATE
18 January 2024

DAC Technology Summary – First Commercial Plant

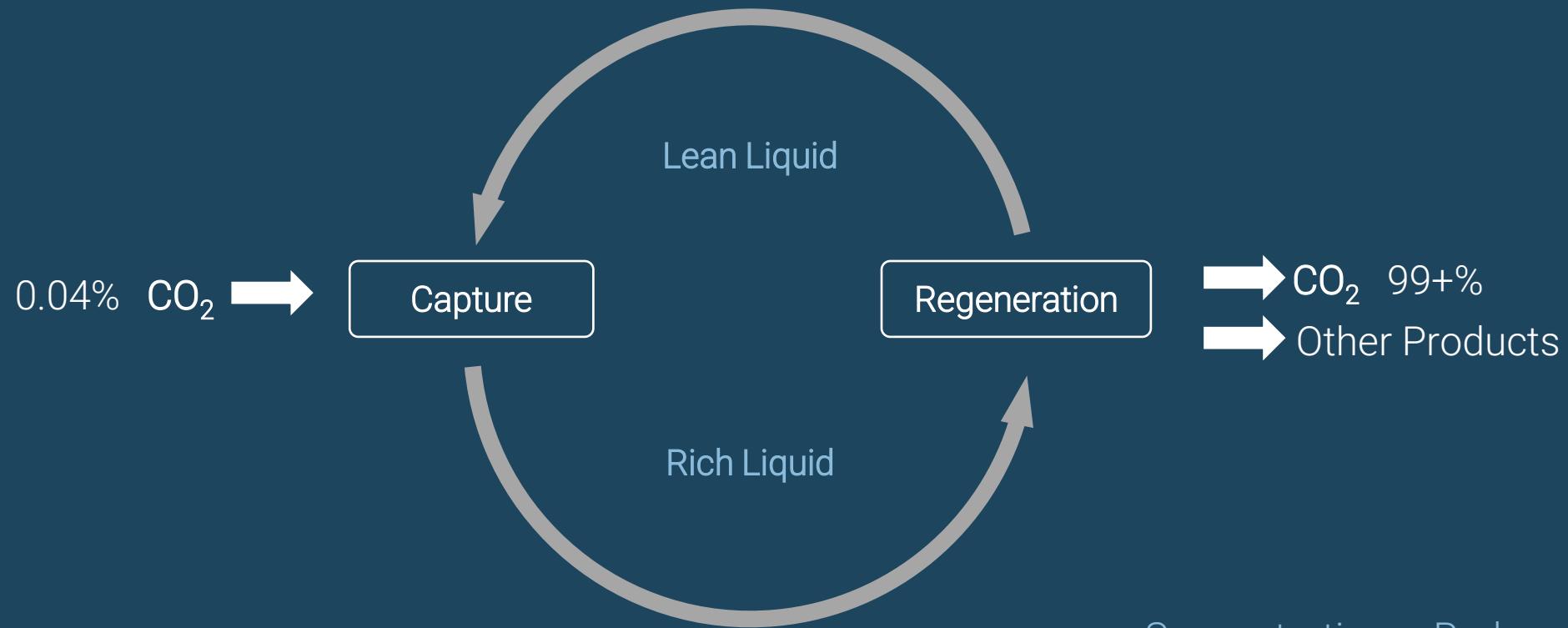


- Not compatible with Reactive Capture
- Sequestration Focused

INDUSTRIAL EQUIPMENT WITH PRECEDENT

- ▶ A combination of pre-existing technologies adapted and combined with innovations and know-how
- ▶ Reduce risk in scale up & capital equipment availability

Development – Simplification and Intensification



INTEGRATED REGENERATION & RELEASE

- ▶ Reduced Capex and Opex – especially energy usage
- ▶ Increased CO₂ purity reduces compression costs

- Sequestration – Reduced Cost
- Potential for Reactive Capture

Variable Input to Regeneration and Conversion

- ▶ DAC capture rate continuously changes with environmental conditions
- ▶ Non-process elements from DAC ingestion

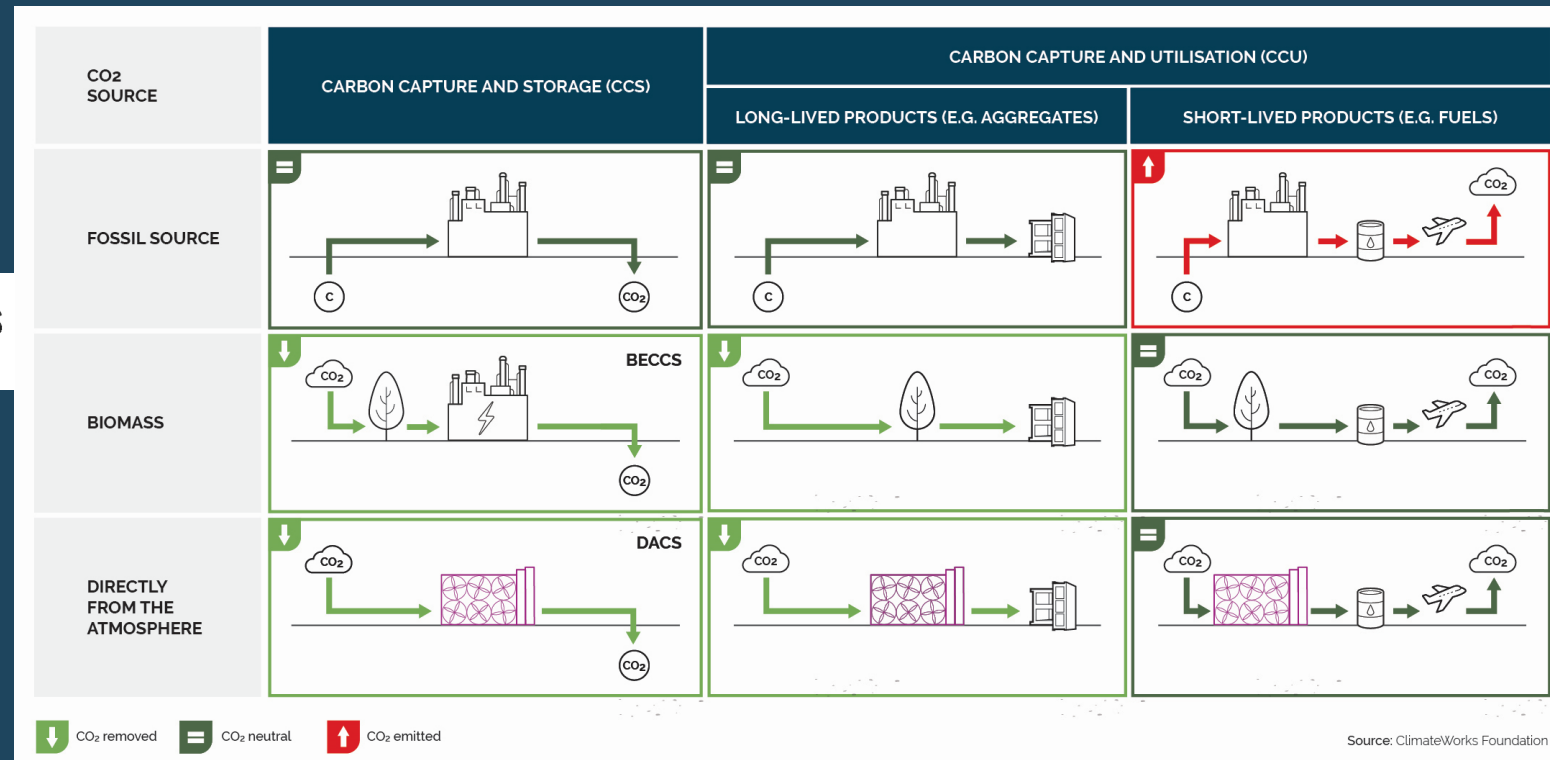
System Optimization Between Capture and Reaction

- ▶ Can an acceptable product properties/quality and cost be achieved

Market Potential for Reactive Capture

End Product Has to Compete with Other Technologies

- Needs an advantage over CDR and Carbon Credit market





Carbon
Engineering

Thank you.