

Practical action for a lower carbon footprint

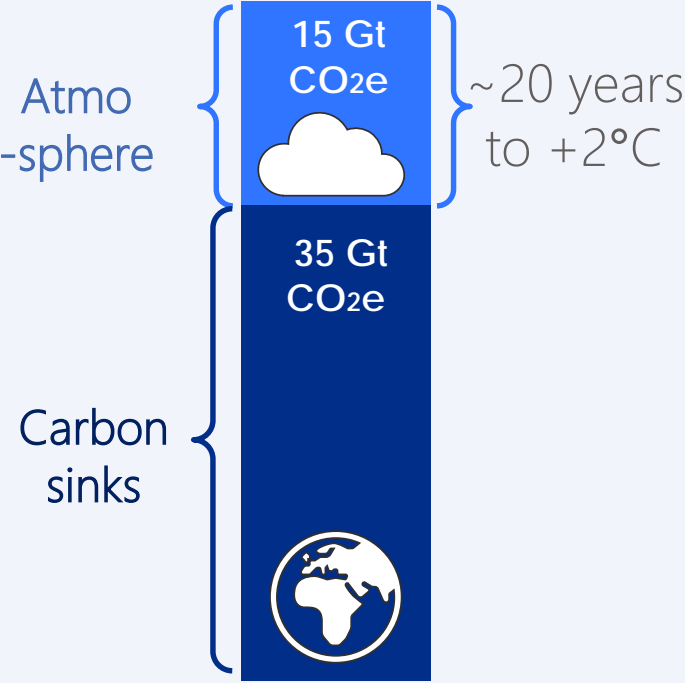


\$1B+ over 10 years



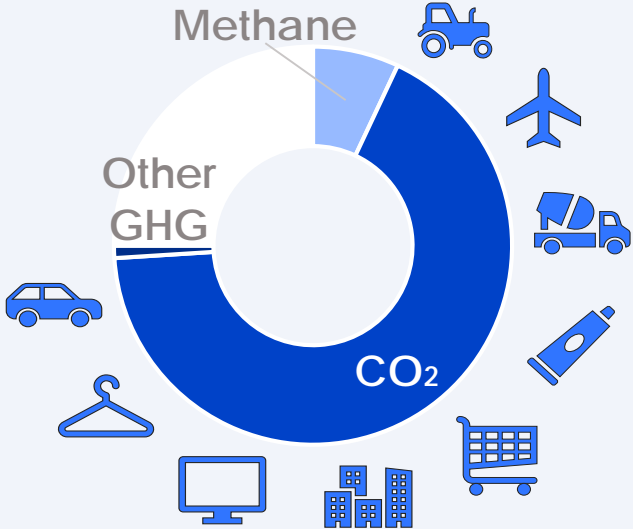
The climate challenge

Excess manmade GHGs



Source: IPCC (2014)

Energy & industrial ~75% of manmade GHGs



Source: Carbon Brief (2017) & IPCC (2014)

Dual challenge by 2040

↑30% energy demand

&

↓50% GHG emissions

Source: IEA WEO 2018

Climate Investments & Our Members



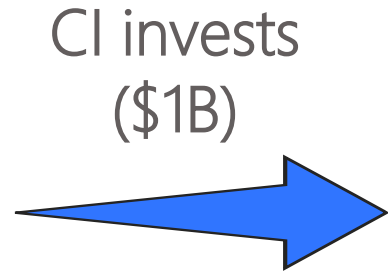
Reduce methane emissions
in oil & gas value chain



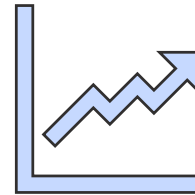
Reduce carbon dioxide emissions
in energy and industrial



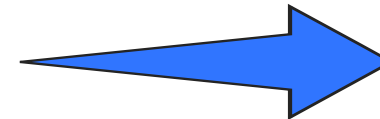
Recycle carbon dioxide
in energy and industrial



Innovative Solutions



Deliver 1 GT/yr in emissions reduction



Pilots, Deployment

Lessons Learned

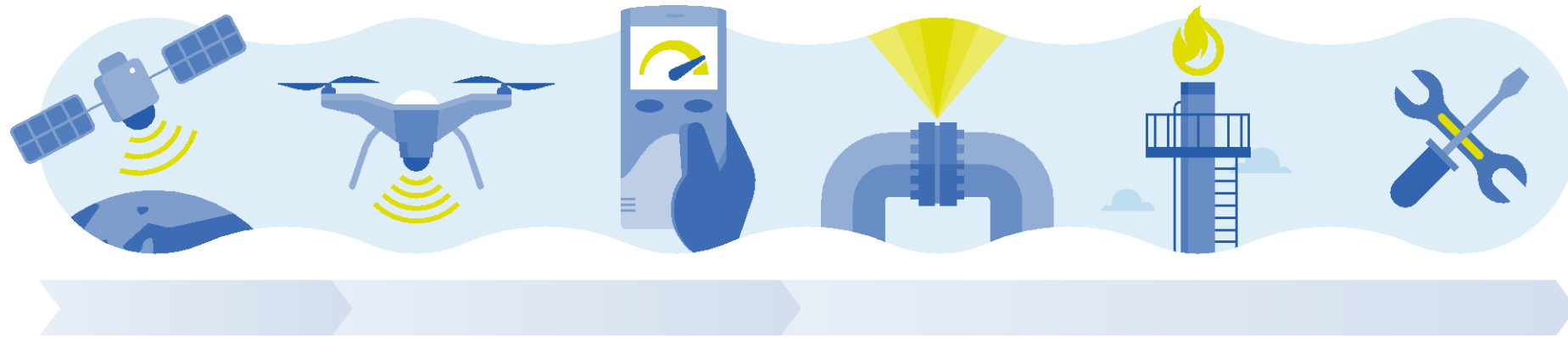


Accelerated Innovation



Reduce methane leakage

across the oil and gas value chain



Detect



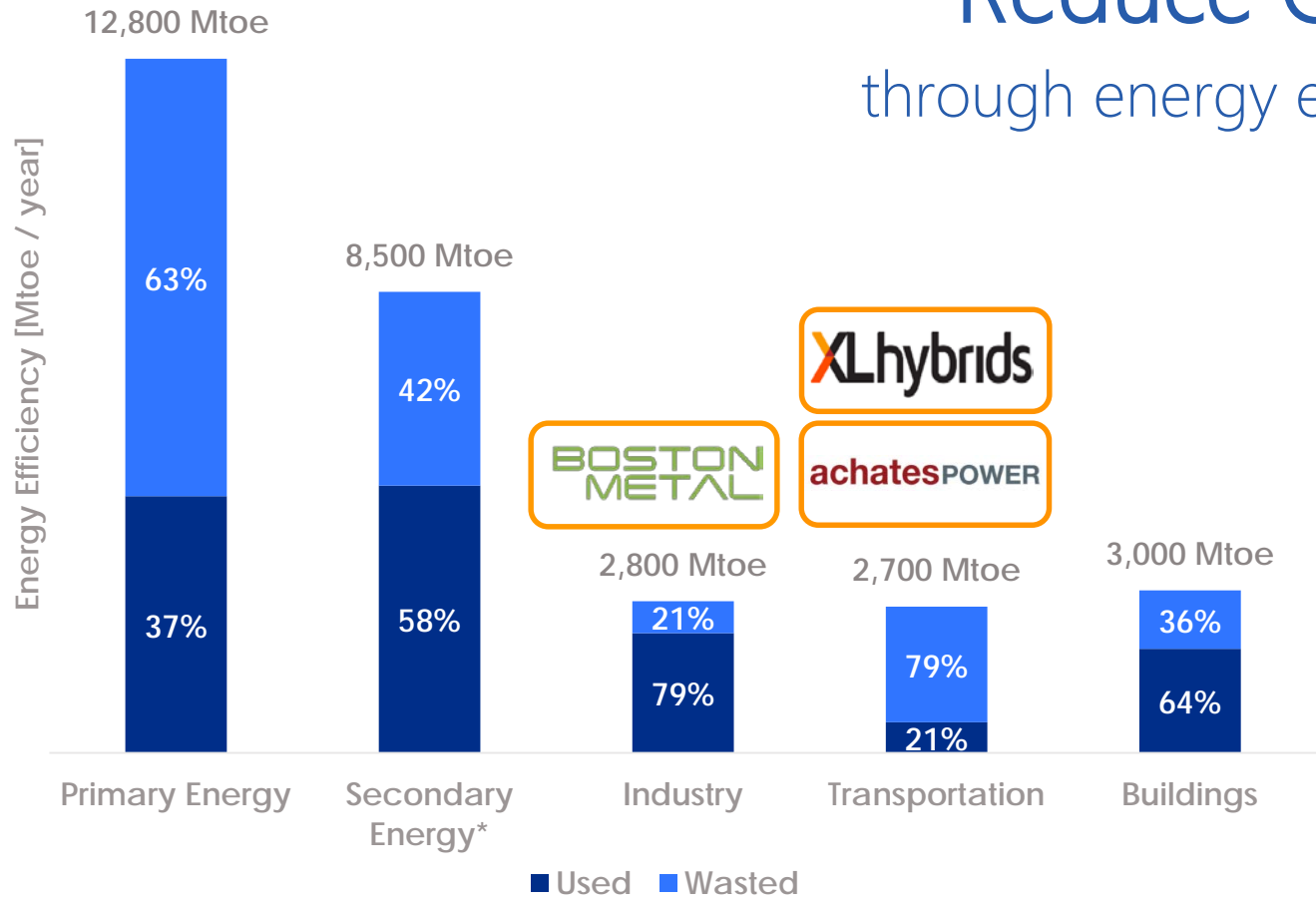
Measure



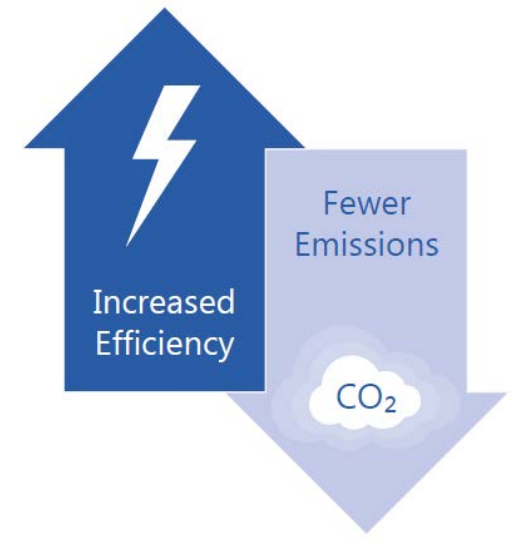
Mitigate



Reduce CO₂ through energy efficiency



~2/3 Primary energy wasted



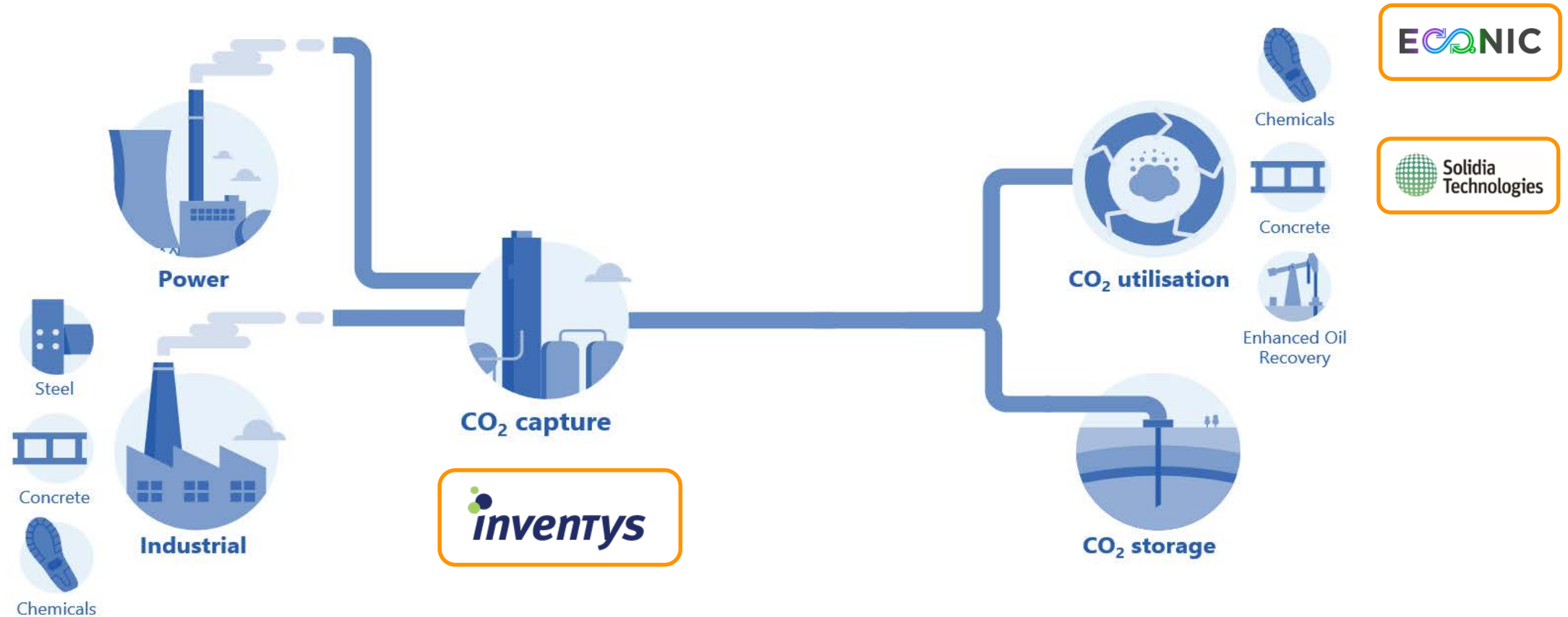
Energy efficiency in the world (2016)

1/3 the journey to 2°C!

Source: IEA WEO (2017) & Lawrence Livermore National Laboratory (2018)

Secondary Energy*: comprises all fuels and electricity "ready to use" (i.e. available to the customer)

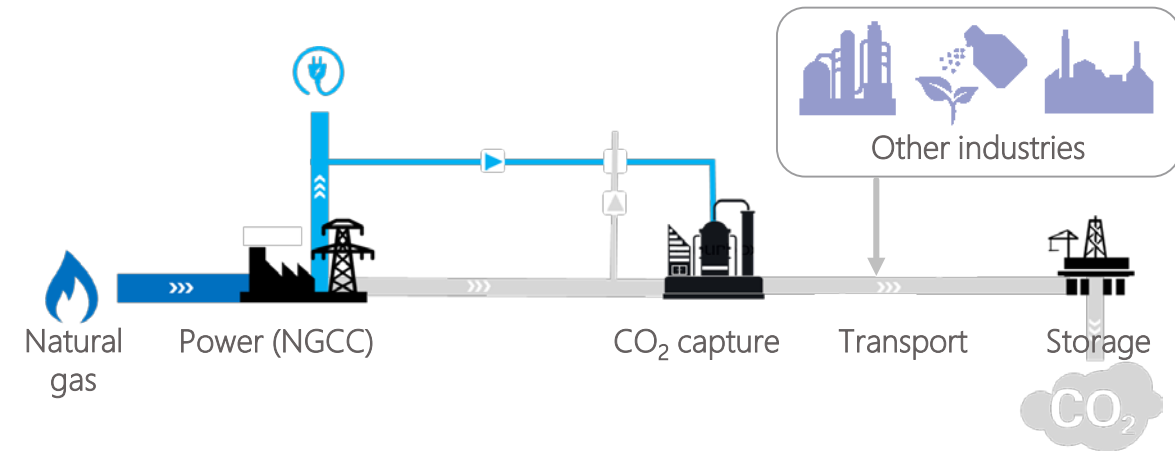
CCUS : recycling CO₂



Investment focus: lower cost of capture & CO₂ utilisation

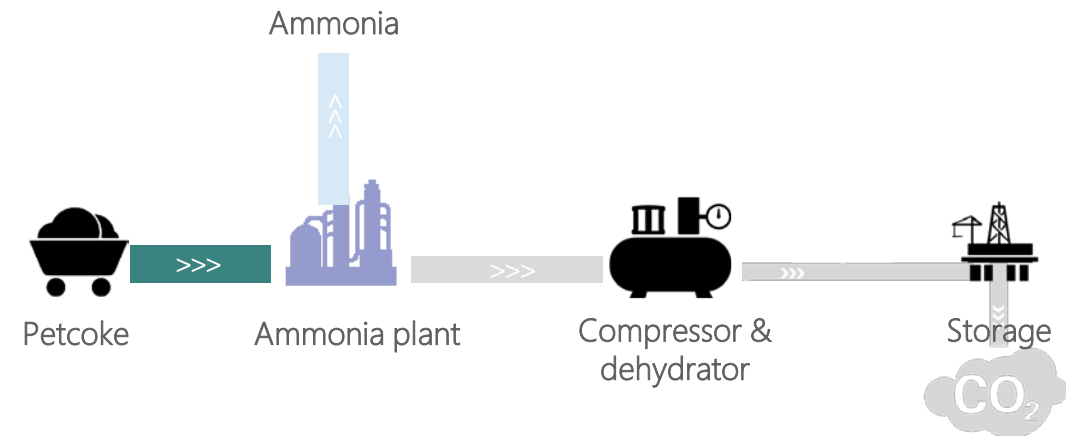
CCUS Projects investments : prove business models

UK - Teesside Project



- Greenfield project: power & industrial
- Potential impact 3-5 Mtpa
- Start date ~ mid-2020's
- Policy structure: hybrid

USA – Wabash Valley



- Brownfield project: industrial
- Potential impact 1.5 Mtpa
- Start date ~ 2023
- Policy structure: 45Q + ...

CCUS Investments Day: September 12, 13th 2019

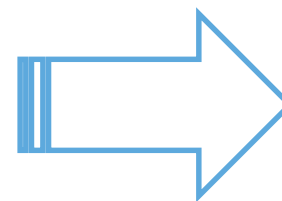
CCUS Investments Day

SEPTEMBER 12-13 2019

Applications open April 2019

Chicago IL

- ❖ Commercial projects that result in utilisation or storage of CO₂
- ❖ Technologies that can lower the cost of CO₂ capture
- ❖ Technologies that can utilise CO₂ to create products



Uniting technology & projects with global investors, financial & industry partners to maximise impact and scale.



Thank you

www.oilandgasclimateinitiative.com/investments