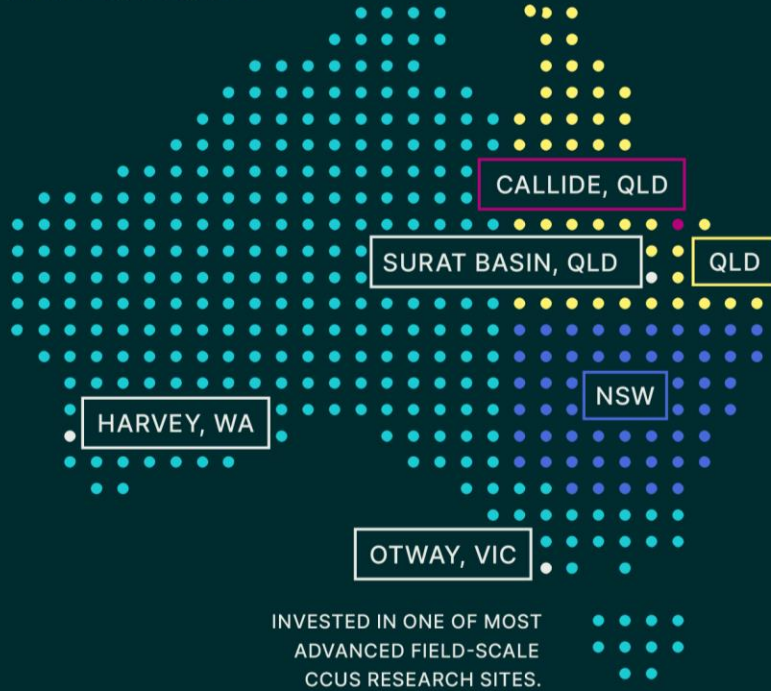


Achievements



- WORLD'S FIRST CARBON CAPTURE DEMONSTRATION FROM A POWER PLANT.
- THREE WORLD-CLASS AND LARGE-SCALE STORAGE LOCATIONS IDENTIFIED IN QLD, VICTORIA AND WA.
- PROVEN BUSINESS CASE FOR AN ALLAM CYCLE PLANT.
- CRITICAL RESEARCH INTO MANAGING FUGITIVE EMISSIONS.

Global partnerships

Collaboration is crucial to reducing emissions from essential but hard-to-abate industries such as steel and cement manufacturing. Our global and Australian partners include:

- GOVERNMENTS
- INDUSTRY
- UNIVERSITIES
- RESEARCH INSTITUTES (including CSIRO and CO2CRC)

LETA's core priorities

-  **DEMONSTRATION** Demonstrating new, zero-emission energy technology and clean fuels
-  **DEPLOYMENT** Establishing multi-industry LET hubs, helping remove investment risk and encouraging industry involvement
-  **COMMUNICATION** Growing awareness, understanding and recognition of LETs and their role in a net-zero carbon economy
-  **ADVOCACY** Accelerating investment in LETs through incentive-based policy
-  **ENGAGEMENT** Increasing collaboration across industries to establish emissions reduction at scale and faster

“LETA’s projects can help establish Australia as a world-leader in low emission technologies and clean energy exports.”



Status of CCUS globally



26

in operation

37

in construction and development

100+

Mtpa CO₂ capture capacity



Status of CCUS globally



>25

countries

> US\$27
billion

for projects at advanced stages

2000+

additional facilities needed



CCUS in Australia – a brief history

2003



CO2CRC established to support the development of an Australian CCUS industry

2006



ACALET established with \$300 million funding

2008



Otway Project safely stores 65,000 tonnes CO₂

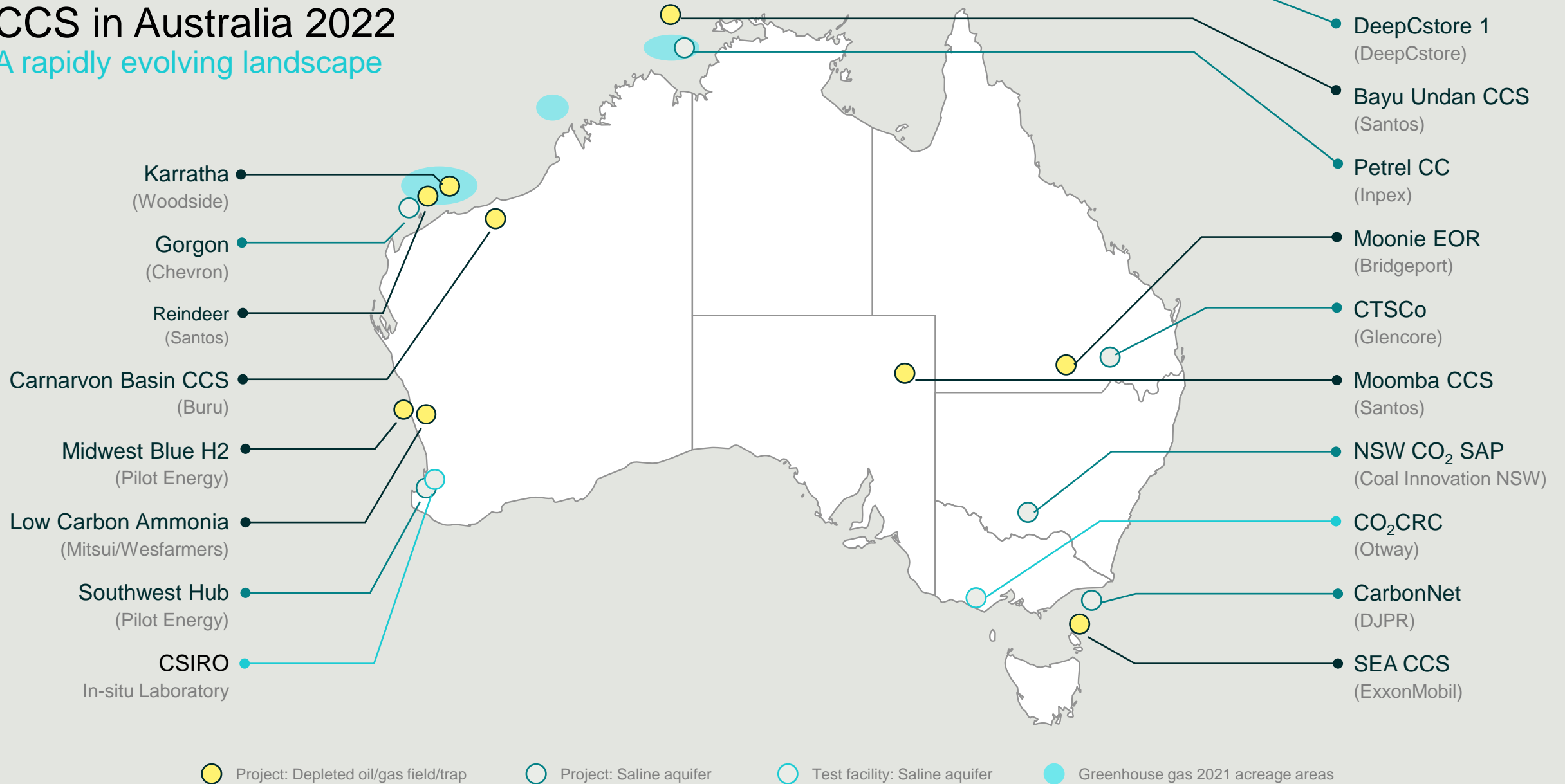
200



Carbo

CCS in Australia 2022

A rapidly evolving landscape



CCUS in Australia – gaining traction, building momentum

Projects and demonstrations

Mining

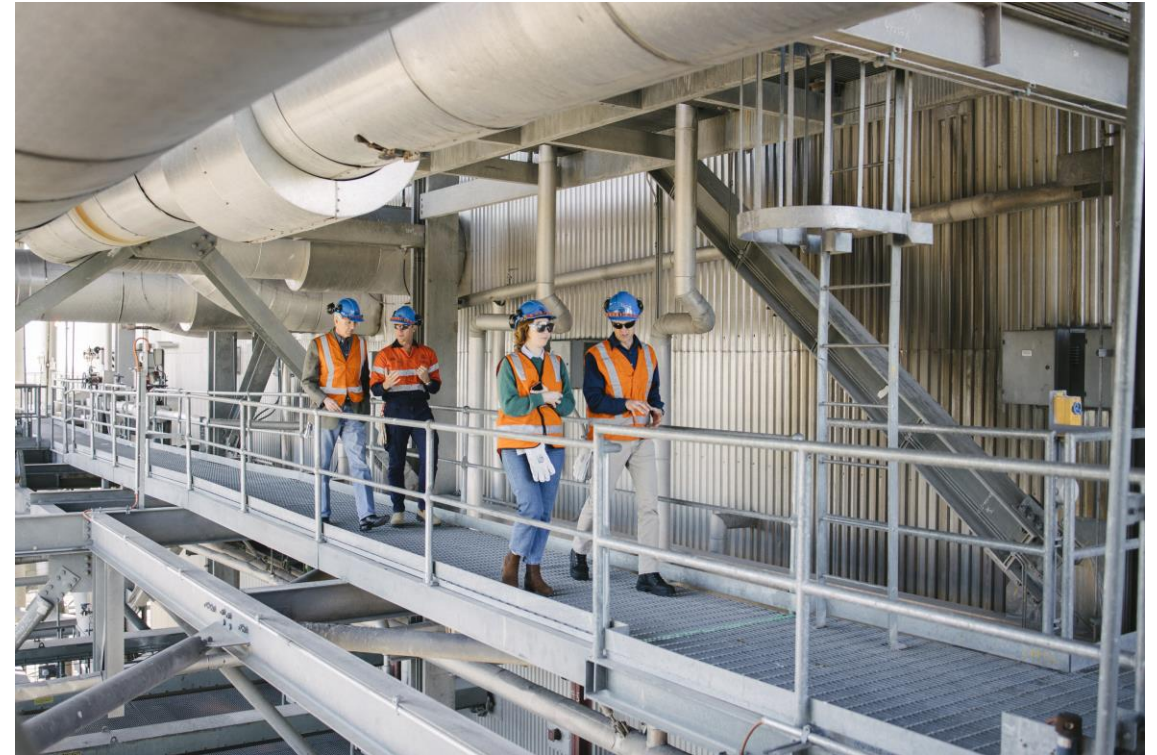
- CTSCo Project – Glencore, LETA
- HESC Project – consortium led by J-Power

Oil and gas

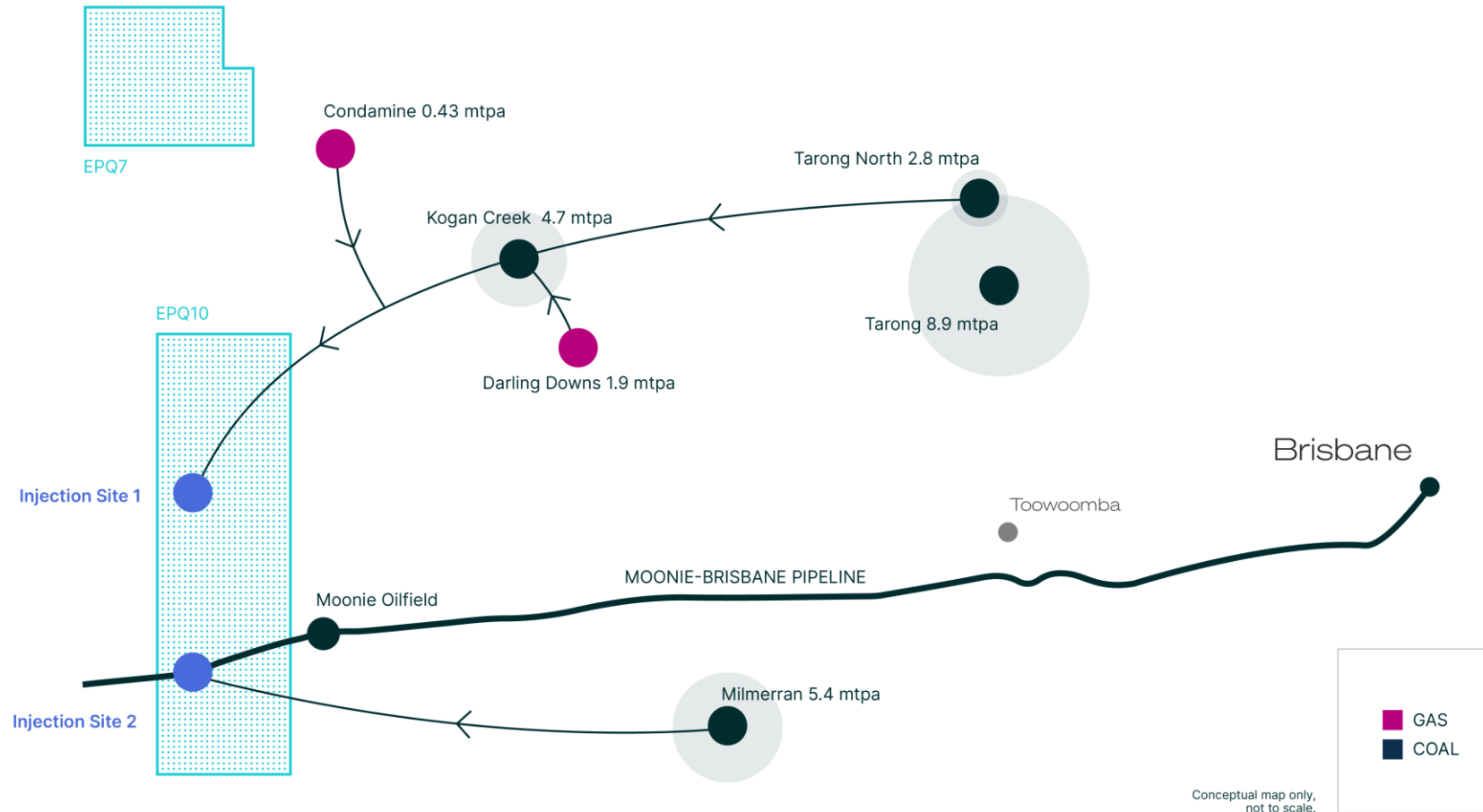
- Gorgon CO₂ Injection Project - Chevron
- Moomba CCS – Santos
- Ichthys LNG CCS - INPEX

Construction and building materials

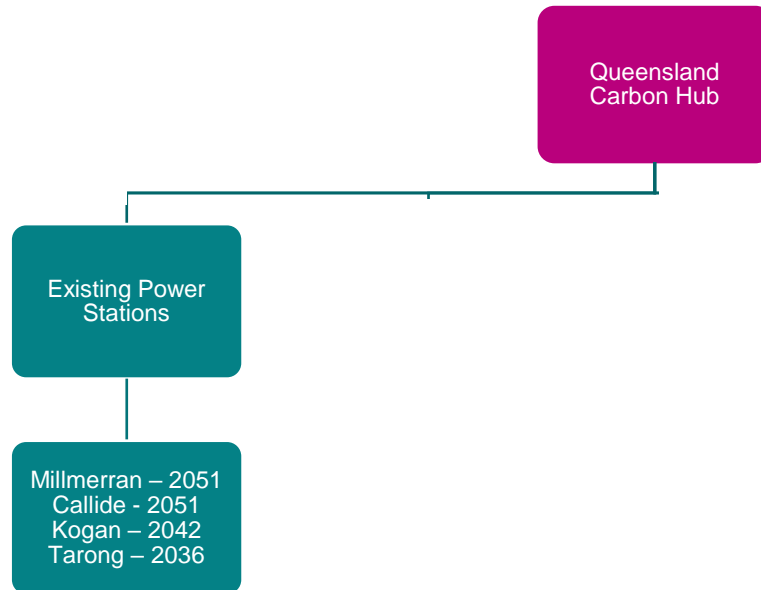
- Mineral Carbonation International
- Boral
- Energy Developments



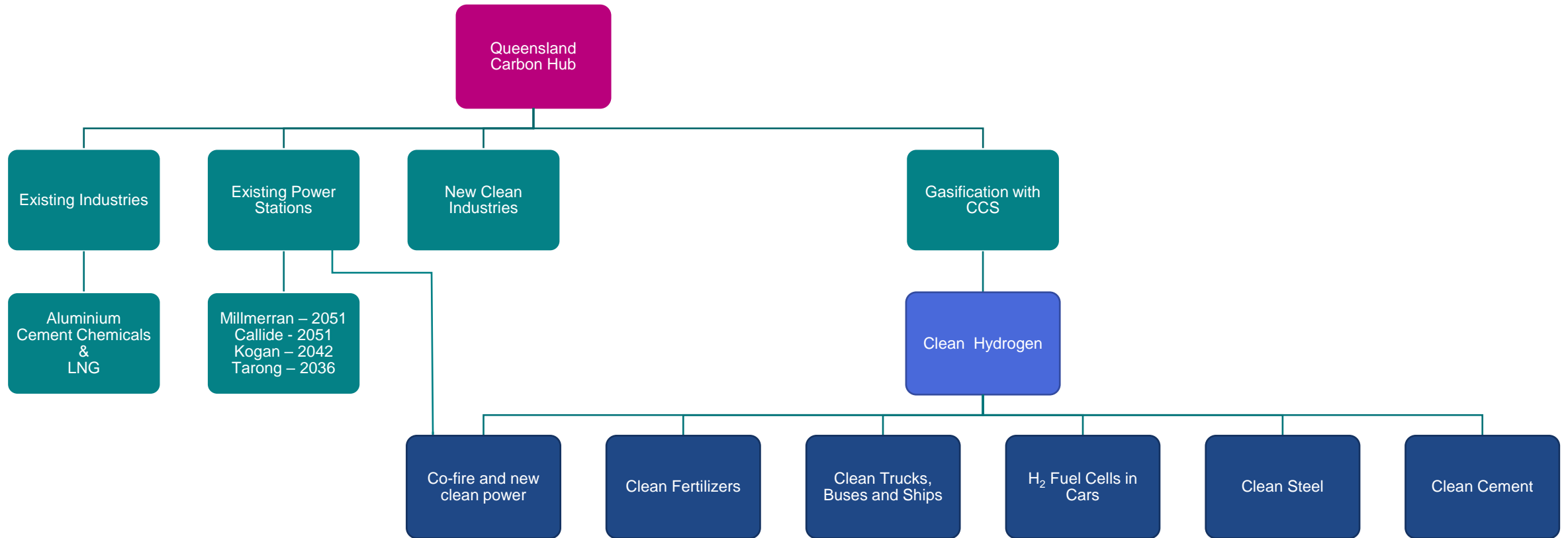
Glencore's CTSCo Project



Australian Technology Opportunity with Large Scale Storage



Australian Technology Opportunity with Large Scale Storage





If I was to pick one technology
that is vital to the planet it is
CCUS

Dr Fatih Birol

Executive Director, International Energy Agency

