



GLOBAL CCS
INSTITUTE

WEBINAR

July
23

State of the Art: CCS Technologies 2026

Tech Compendium Editor's Insights



Thursday 23 July 2026



5:00 PM Melbourne | 9:00 AM Brussels | 8:00 AM London

OUR MISSION

TO ACCELERATE DEPLOYMENT OF CCS

WHO



WE ARE AN
INTERNATIONAL
CCS THINK TANK

OVER

200



MEMBERS ACROSS
GOVERNMENTS, GLOBAL
CORPORATIONS, PRIVATE
COMPANIES, RESEARCH
BODIES, NGOS

WHAT



FACT-BASED
INFLUENTIAL
ADVOCACY



CATALYTIC
THOUGHT
LEADERSHIP



AUTHORITATIVE
KNOWLEDGE
SHARING

WHERE



AGENDA

Welcome from Global CCS Institute

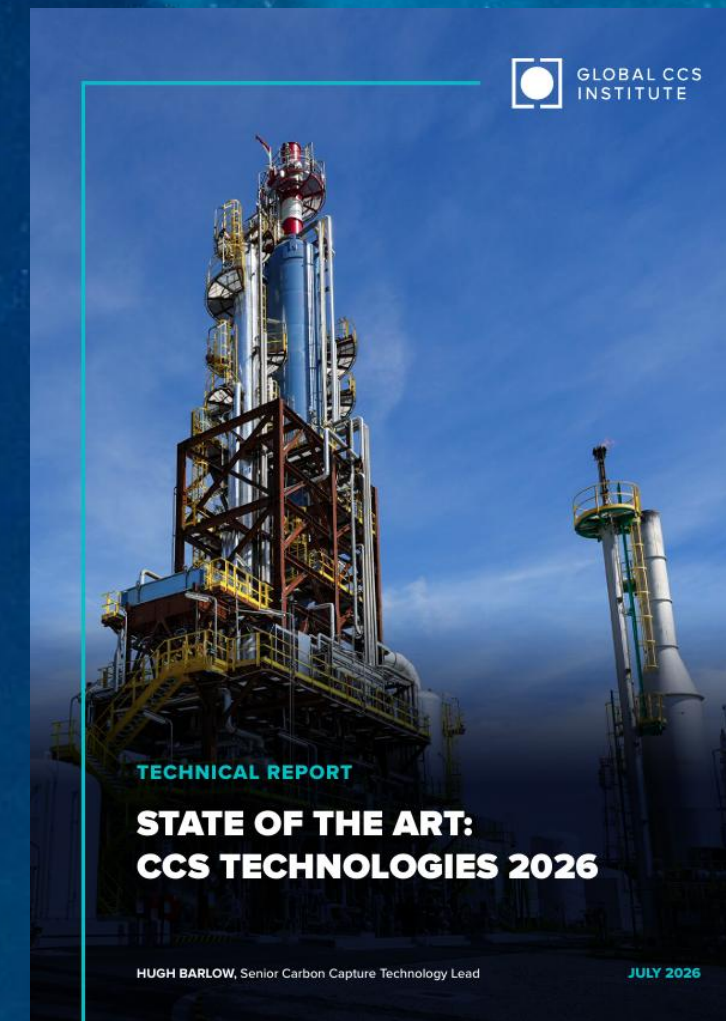
- Chris Consoli, Principal & Head of Quantitative Analysis and Research, Global CCS Institute [Moderator]

Presentation on State of the Art: *CCS Technologies 2026*

- Hugh Barlow, Senior Capture Lead Global CCS Institute

Questions & Answers

- Chris Consoli, Principal & Head of Quantitative Analysis and Research, Global CCS Institute [Moderator]
- Hugh Barlow, Senior Capture Lead Global CCS Institute



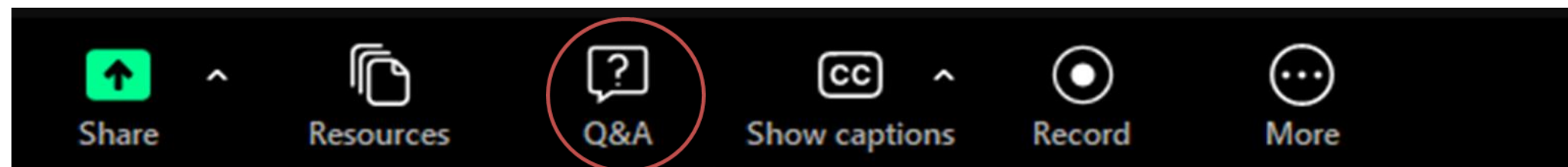
Download the report on our website or scan the QR code below.



BEFORE WE START



- Please note this webinar will be recorded and made available on our website within a few days.
- We will collect questions during the presentation.
- After the presentation, the moderator will pose questions to the presenter.
- Please submit your questions through the Q&A panel on Zoom.



SPEAKERS



Hugh Barlow
Global CCS Institute
Senior Capture Lead



Chris Consoli
Global CCS Institute
Principal & Head of Quantitative
Analysis and Research
[MODERATOR]



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INTRODUCTION



The “State of the Art: CCS Technologies 2026” Technology Compendium is the latest edition of our annual publication providing a platform for technology owners and providers to showcase their offerings.

This edition now includes more than 190 submissions from over 90 technology providers.

The 2026 Edition is the fifth edition of the publication, and we are sharing our key insights identified from developing this publication.



NOTES AND DISCLAIMER

The Technology Compendium is a free-to-enter publication, and technology providers collaborate with the Global CCS Institute to provide their information to the Technology Compendium for review and publication. The technologies presented in the 2026 Technology Compendium represent a non-exhaustive picture of the overall landscape of CCS technologies. Where there has been no submission received for the 2026 Technology Compendium, there is no presence within the Compendium. The Global CCS Institute is aware of other CCS technologies not mentioned in this Technology Compendium, established and emerging, and we are working to include these technologies in future issues.

The Global CCS Institute has relied on the contributions of over 90 CCS technology providers to compile the 2026 Technology Compendium. Any claims regarding technology performance are the responsibility of the company concerned and are not endorsed by the Global CCS Institute. Readers should confirm any technology-specific details contained in the Technology Compendium with the technology holder concerned.

The Global CCS Institute has endeavoured to ensure the information in the Technology Compendium is as accurate as possible. However, it does not guarantee that the information in the Technology Compendium is totally reliable, accurate, or complete. Therefore, the information in the Technology Compendium should not be relied upon when making an investment or commercial decision or provided to any third party without the written permission of the Global CCS Institute.

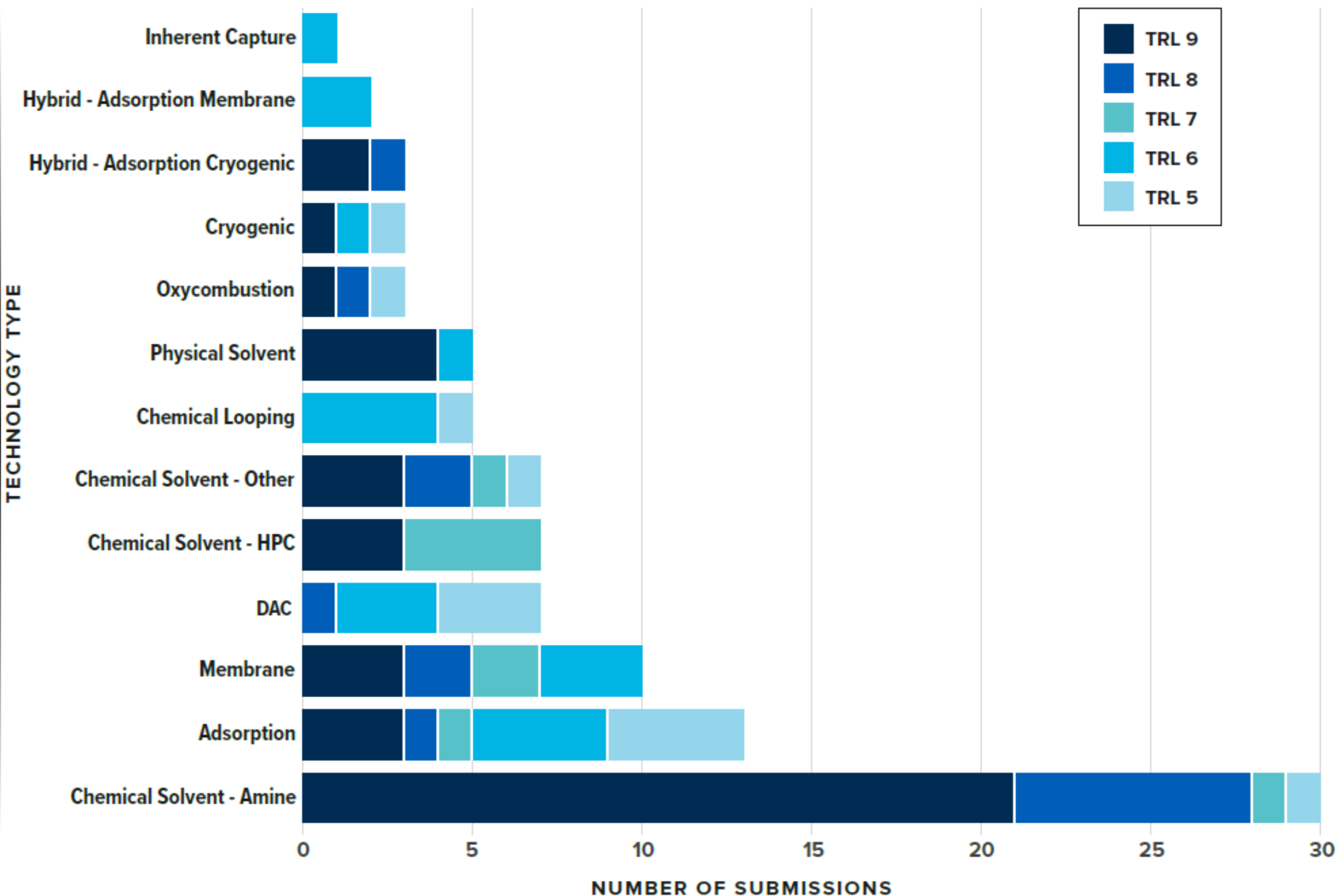
The data reported in this Editor's Insights webinar and the publication are solely a set of observations regarding the information that has been put forward by the group of technology providers in the Technology Compendium.

To the maximum extent permitted, the Global CCS Institute, its employees, and advisers accept no liability (including for negligence) for any use or reliance on the information in the Technology Compendium, including any commercial or investment decisions made on the basis of information provided in the Technology Compendium.

KEY INSIGHTS

- 1) Growth in Traditional and Emerging Capture Technology Types
- 2) Commercial Tech Exists Across Diverse Industry Applications
- 3) Storage Tech Reduces Uncertainty from Selection to Monitoring
- 4) Expanded Submissions Covering Full CCS Categories

1. GROWTH IN TRADITIONAL AND EMERGING CAPTURE TECH TYPES



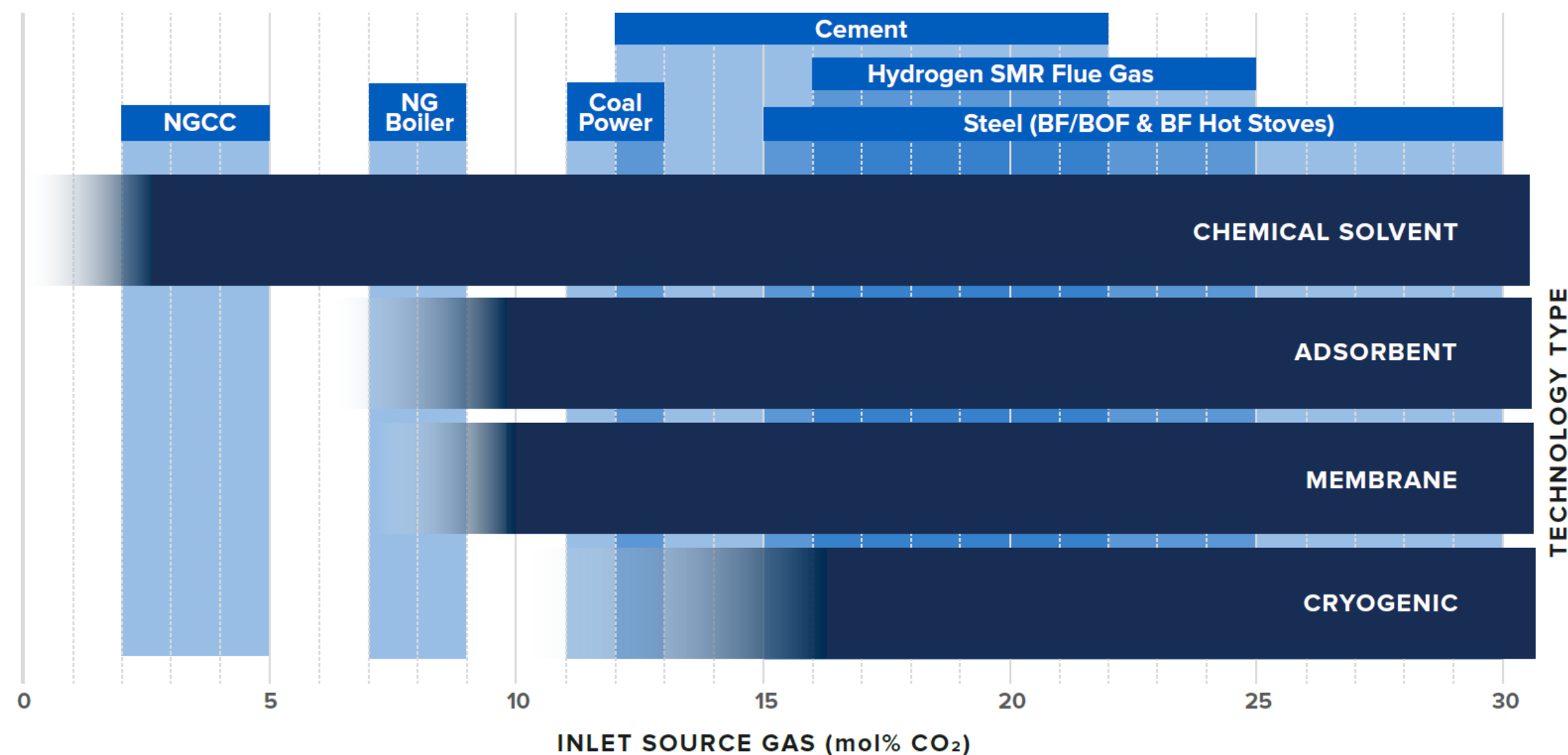
Amines are identified as the most mature technology class within the Compendium.

Novel technologies are growing, with ongoing development and deployment across industries.

A wide range of options to meet emissions needs and drive innovation.



2. COMMERCIAL TECHNOLOGY EXISTS ACROSS DIVERSE INDUSTRIAL EMISSIONS



Innovation and demonstrations continue to push the envelope of how and where technologies can be deployed.

Chemical solvents are identified as the most likely to handle low partial pressure.

For other technologies, further development and deployment, can expand potential applications.



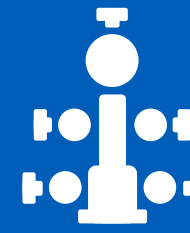
3. STORAGE TECHNOLOGY REDUCES UNCERTAINTY FROM SITE SELECTION TO MONITORING ACTIVITIES

INTEGRATED DATA



Technologies that integrate data and modelling workflows before and during injection activities help developers evaluate storage sites and characteristics, alongside regulatory compliance during development and operation.

WELL INTEGRITY



Technology submissions highlight the importance of adapting well equipment and barrier systems to CO₂-specific operating environments such as low temperature and high pressure systems.

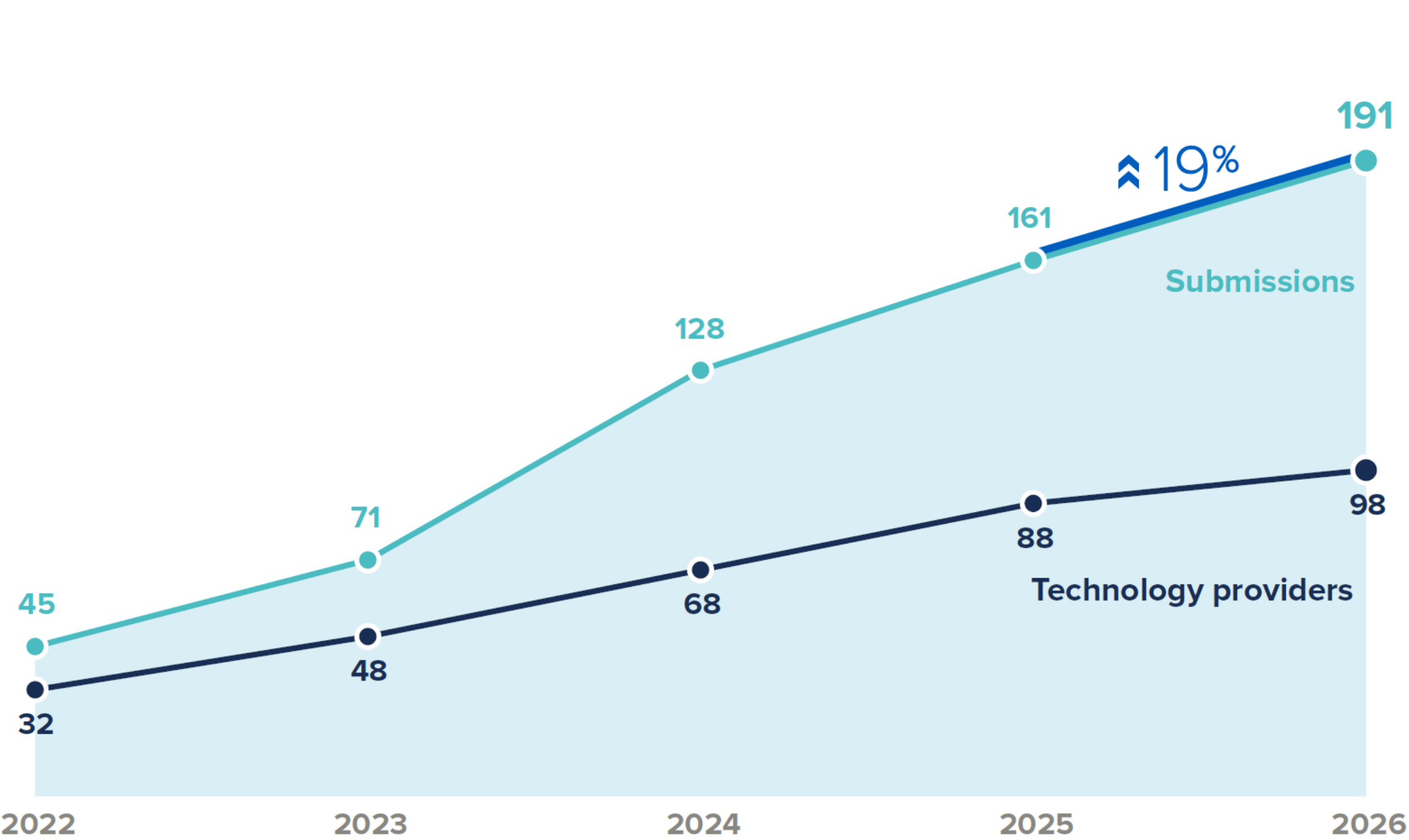
MONITORING & ASSURANCE



Submissions noted the variety of continuous or repeated data collection across reservoir, wellbore, near-surface and nearby environment to support conformance monitoring, anomaly detection and regulatory reporting.



4. EXPANDED SUBMISSIONS COVERING FULL CCS CATEGORIES



The Technology Compendium is a voluntary, collaborative exercise – a non-exhaustive list of available technologies on the market.

Significant growth since first edition in 2022.

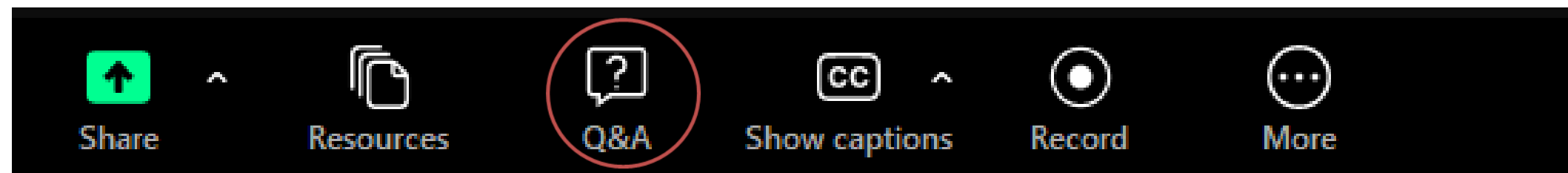
Slowing growth compared with 2025 edition – Reflects existing coverage.



Q&A



**Please submit your questions via Q&A on Zoom control panel
at the bottom of your screen**



THANK YOU

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