



# Carbon Alpha

Let's Clear The Air  
Media Kit



Carbon Alpha has developed a process to safely and permanently remove CO<sub>2</sub> emissions from the atmosphere.



# Who is Carbon Alpha?

Environmental leaders in decarbonizing our planet.

Carbon Alpha develops carbon capture & storage (CCS) solutions for all industries. As a pure play carbon sequestration company, they excel at geological exploration, risk management, storage facility construction and operations.

More at [CarbonAlpha.com](https://CarbonAlpha.com)



# Who is Carbon Alpha?

Environmental leaders in decarbonizing our planet.



## The Idea

Industrial emitters are becoming increasingly reliant on CCS projects to achieve their low-carbon goals.

Carbon Alpha enables the decarbonization of existing industrial infrastructure by facilitating the process of capturing carbon dioxide from large scale facilities, transporting carbon through pipelines & safely storing it deep underground.

They enable technologies and industries who support the energy transition to achieve net-zero emissions.



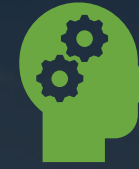
## The People

Carbon Alpha has proven expertise in subsurface exploration and development.

This team has experience in funding, designing, constructing and operating large scale projects.

They know that corporate reputations are one of the most important assets.

Most recently, they founded and managed Jupiter Resources Inc., which became the 9<sup>th</sup> largest natural gas producer in Canada.



## The Experience

Carbon Alpha provides safe, cost-effective carbon storage solutions. They take climate goals from ideas to tangible projects.

This proven team helps partners and customers effectively evaluate, design, develop and operate carbon storage facilities.

This includes navigating the regulatory pathways and generating carbon credits.

More at [CarbonAlpha.com](https://CarbonAlpha.com)



# What is Carbon Capture & Storage?

## Capture

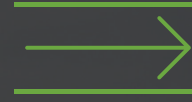


CO<sub>2</sub> is separated from a dilute source within a facility or directly from the air.

A variety of technologies exist today that are constantly being improved to address the problem of economically capturing CO<sub>2</sub> emissions.

Carbon Alpha is not tied to one capture technology. Their experience is in the ability to identify, assess, and manage capture technologies best suited for a project.

## Transportation



CO<sub>2</sub> is most efficiently transported via underground pipeline, following compression and liquification.

Pipeline design and procurement process are standard and well established.

Carbon Alpha provides insights into the integration of the compression, transport and capture processes to optimize the total energy balance as well as identify synergies during construction and execution.

## Storage



The CO<sub>2</sub> is ultimately stored deep underground in a subsurface geological reservoir.

These reservoirs are either Enhanced Oil Recovery schemes (EOR)\* or dedicated CO<sub>2</sub> sequestration reservoirs (saline aquifers or depleted oil and gas reservoirs).

Reservoirs are naturally occurring and can have rock properties that vary considerably.

Subsurface screening for sequestration opportunities is therefore the first step in determining the opportunity for CCS projects.

Storage presents the most complexity to potential CCS projects, so it is where Carbon Alpha's expertise is most required.

\*Carbon Alpha is not an EOR company, they focus on dedicated solutions



# Our Team

A purpose-driven energy transition company



**Simon Bregazzi**  
CEO, Co-founder



**Patrick Elliott**  
COO, Co-founder



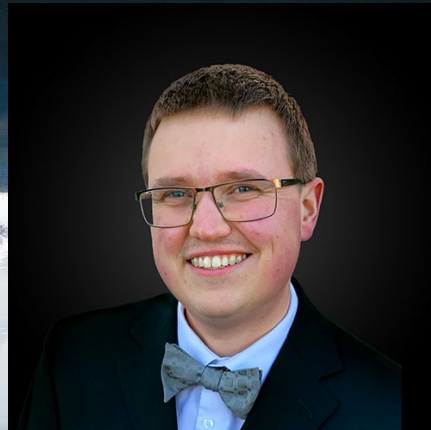
**Jenna Marttila**  
Director, Planning & Strategy



**Bob Bryden**  
Director, Development & Operations



**Eric Street**  
Director, Geosciences



**Graham Hack**  
Director, Reservoir & Data Sciences



**James Louie**  
Director, Digital & Information Technology



**Phil Hosty**  
Director, Facilities & Pipelines



# Who Needs Carbon Alpha?

Environmental leaders in decarbonizing our planet.



## Private Companies

Private companies are making net-zero commitments as they recognize that it's time to act.

The skillset required for CCS has been primarily within major oil & gas companies where it was difficult to access.

Carbon Alpha is dedicated to cost effective CCS solutions for all industries. These solutions can be designed for large emitters, or regional open community projects.

Companies can achieve their climate goals and efficiently offset carbon tax obligations.



## Government

Governments have set climate goals and created policies to spur innovative solutions to carbon emissions.

It is important that projects are developed and operated by competent teams to maintain safety, public trust, and conservation of storage space.

In addition they need an organization they can use as proof their promises are attainable.

Carbon Alpha is that trusted operator dedicated to CCS.



## General Public

The general public is becoming more focused on carbon emissions and consumers are demanding action from suppliers of goods and services.

By being transparent, competent and purpose driven, community stakeholders and the general public can trust that Carbon Alpha and its partners are on their side.

They will see a reliable, high integrity organization they can support and use as a place to learn about the CCS process and answer any questions they may have.



## Investors

Investors are increasingly seeking to participate in energy transition projects and gain exposure to carbon markets.

They look for companies with a proven track record in business who are technically competent with a defensible business plan.

Carbon Alpha are excellent stewards of capital and are digitally powered to rapidly assess projects and advance those that are most attractive.



# Notoriety

Energy Innovations - Ep. 1 - Carbon Capture & Sequestration with Patrick Elliott of Carbon Alpha



**ENERGY INNOVATIONS**  
Emerging Technologies & Digital Innovations  
Weekly Interviews & Discussions

Tuesday, March 29th  
**9:00 AM MDT**

Special Guest  
**Patrick Elliott** from Carbon Alpha

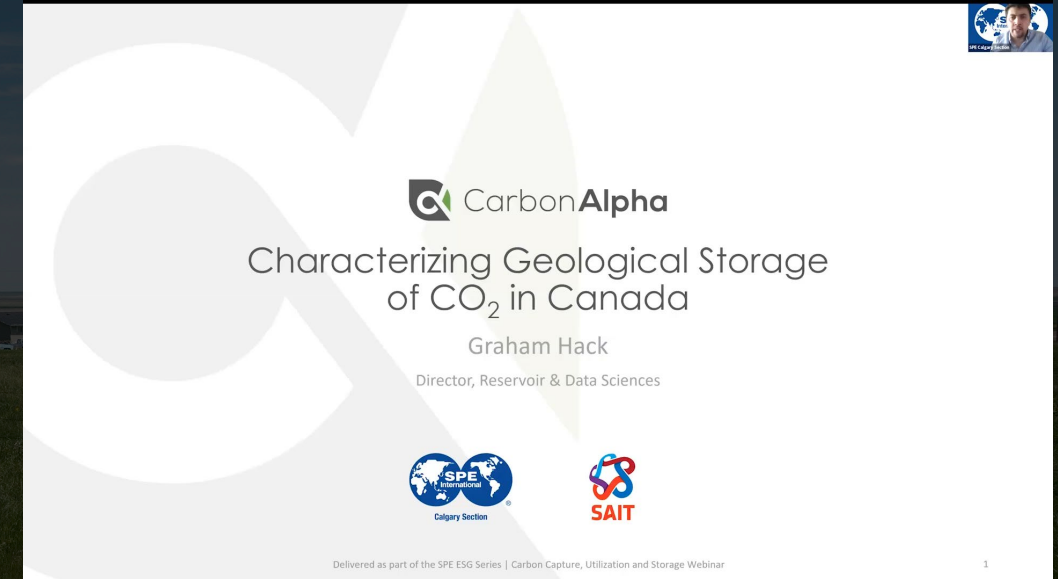
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ESG Series: Characterizing Geological Storage of CO<sub>2</sub> in Canada with Graham Hack



 CarbonAlpha

Characterizing Geological Storage of CO<sub>2</sub> in Canada

Graham Hack  
Director, Reservoir & Data Sciences

Delivered as part of the SPE ESG Series | Carbon Capture, Utilization and Storage Webinar

1



Podcast – Energy Levelized - Episode 5 - Featured special guest Patrick Elliott, COO and Co-Founder of Carbon Alpha



## Team Photos

### Logos

[Click here to download the full logo pack](#)

Standard



CarbonAlpha

Dark



CarbonAlpha

Bright



CarbonAlpha



[Click here to download the full album](#)







# CarbonAlpha



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