

Candidate Information



 44.01



44.01

We eliminate CO₂

On a mission to eliminate CO₂ forever



Removing carbon from the atmosphere is imperative if we are to avoid the disastrous effects of climate change. Our mission is to effect change, providing a safe, cost-effective way of eliminating CO₂ from the atmosphere.

Having started 44.01 because of our deep concern for the state of our planet we were delighted to be announced as winners of the prestigious Earthshot Prize 2022. The award adds to previously received high profile recognition and support from the Musk Foundation (via XPRIZE), Shopify and Stripe.

This success in the Fix our Climate category of the Earthshot awards, created by Prince William and The Royal Foundation, is spurring us on in our challenge to eliminate CO₂ forever. Judged by an international council which includes leaders from the fields of business, philanthropy, science and entertainment, winning the Earthshot Prize was a huge vote of confidence for 44.01 and our ground breaking carbon removal solution.

If the current climate crisis is to be address, it is vital that carbon is removed from the atmosphere. Once captured, this CO₂ has to be stored, or ideally eliminated. 44.01 does this by mineralising CO₂

in peridotite, removing it from the atmosphere forever – safely, quickly and cost-effectively – compared to existing carbon ‘storage’ which never truly removes the CO₂ and requires lifetime monitoring and insurance.

Having already conducted successful pilots of our mineralisation process in the Sultanate of Oman – which has one of the largest surficial deposits of peridotite in the world – in 2023, 44.01 will begin mineralising CO₂ commercially. The company has ambitious aims to mineralise one billion tonnes of CO₂ by 2040.

As the world transitions to clean forms of energy, 44.01 is providing new and exciting employment opportunities for engineers and geologists currently working in the fossil fuel industry and is looking for talented individuals to join our mission-driven team that combines decades of scientific, technology, operational and financial experience.

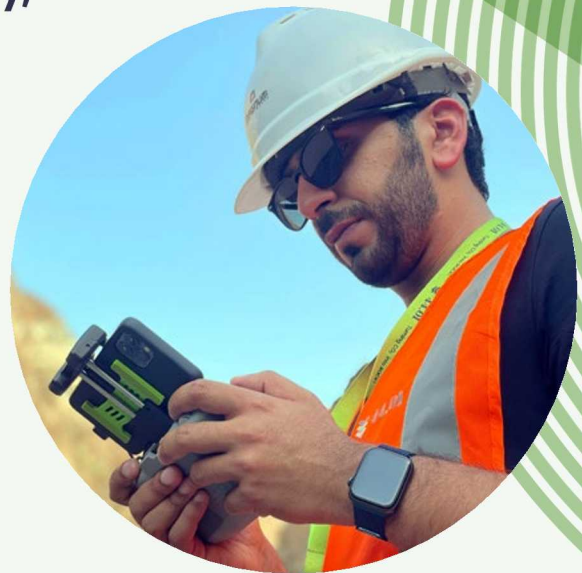
Talal Hasan Founder 44.01

Who we are

Driven by the challenge to remove CO₂ from the environment permanently in a safe, natural, cost-effective way, 44.01 aims to play a key role in tackling the global climate crisis.

Founded in 2020, to date 44.01 has conducted two successful carbon storage pilots and will begin injecting CO₂ on a commercial scale in 2023.

To find out more about our mission and the team behind 44.01 please visit: <https://4401.earth>



Milestones

- 2020** 44.01 founded during the pandemic
- 2021** Announces plans to build new Direct Air Capture Plant in Oman
- 2022** Mineralisation process produces world's first Blue Ammonia
- 2022** Project Hajar JV wins \$1m Musk Foundation XPRIZE award
- 2022** Shopify Sustainability Fund agrees advance purchase of mineralisation services
- 2022** Wins Earthshot Prize
- 2023** 44.01 Expands Into UAE With carbon negative Fujairah energy pilot
- 2023** Commercial scale carbon storage set to commence

Facts

44.01

is the molecular mass of CO₂

1 ton of peridotite

can mineralise 500-600kg of CO₂ within 12 months

1,000,000,000 tonnes

is the amount of CO₂ we aim to mineralise by 2040

Did you know that carbon credits for mineralised CO₂ sell at a premium compared to existing carbon 'storage' methods?

Why are we recruiting?



To achieve our ambitions of scaling our carbon mineralisation solution internationally we are looking to add talented and driven individuals to join our team.

Our team combines decades of deep scientific expertise with varied technology, operational and financial experience. As the world transitions toward clean forms of energy we offer exciting opportunities for skilled engineers and geologists who may still be working in the fossil fuel industry.

Our growth strategy, which will see 44.01 begin mineralising CO₂ commercially in 2023, will enable us to mineralise one billion tonnes of CO₂ by 2040 - the equivalent of annual global air travel emissions. As we scale our operations, and reap the rewards of R&D investment, the costs of mineralisation will come down. Indeed, by 2030, it will cost the same as conventional carbon storage.

Given Oman has one of the largest surficial deposits of peridotite in the world, carbon mineralisation will create myriad opportunities in the region. Peridotite is also found in abundance in North and South America, Europe, Asia and Australasia which may guide future expansion.

As well as being qualified and experienced, we would like to hear from candidates who are:

- **Honest**
- **Transparent**
- **Curious**
- **Perseverant**
- **Advocates for sustainability**
- **Creative thinkers**

Why join us?

Calling great minds to help eliminate CO₂ and save our planet

Are you a strong believer and advocate of sustainability and decarbonisation? Looking for a job with real purpose, where you can have a positive impact on people and the planet? If so, read on.

Central to everything we do are three simple but powerful values:

Restore Our Earth:

We are committed to healing our planet. We believe the ecological damage humankind has caused can be reversed. We can't do this alone, we must work together. We must act now for us and future generations.

Challenge The Status Quo:

Curiosity, perseverance, and ingenuity is our ethos. This is how we learn, grow, and succeed.

Do The Right Thing:

From people to planet, we believe in being honest and transparent. We always act with integrity.

What's in it for you?

Your work has the potential to directly shape our fight against climate change. Your contribution will help us achieve our goal of eliminating 1 Gt of CO₂ by 2040.

An opportunity to make a real difference to the future of our planet by joining a high-potential start-up.

A chance to be at the forefront of the fight against climate change.

Working in partnership with some of the world's pioneering companies in the climate tech space.

A competitive salary and an opportunity to have a stake in the success of the business.

Being part of a team that cares deeply about the culture it creates, and that will foster your career growth in the climate and clean energy sector.

How to apply

If you would like to learn more about the exciting opportunities with 44.01 please visit:



orionjobs.com/jobs/4401