



# Future50

GHG Carbon Capture and Storage (GHG CCS)

Carbon Capture, Usage and Storage

## Brilliant Planet

Brilliant Planet Limited



<https://www.brilliantplanet.com/>

#ClimateTech  
#NatureBasedSolutions

### Highlights

Brilliant Planet states that it has two patents issued and five more pending for its technology.<sup>359</sup> The company secured **US\$13 million in funding** in its series A round, with notable investors including **Union Square Ventures** and **Toyota Ventures**.<sup>360</sup> Additionally, the company has mentioned that it is now selling **carbon removal credits** on marketplaces, such as Patch and Watershed, and looking to construct a 30-hectare commercial demonstration facility in partnership with **Mott MacDonald Group**<sup>361</sup> and **WSP**.<sup>362</sup>

### Strategic alliances

- Universities
- Research Institutes
- Engineering Firms
- Carbon Market Places

### List impact technologies

Carbon Capture, Usage and Storage

### Headquarters:

United Kingdom

### Middle East operational countries:

Oman

### Summary

Brilliant Planet is developing a method to **sequester carbon at a large scale using algae**. It has designed a process to allow for the growth of microalgae in open-air pond-based systems on coastal desert land, using only seawater and sunlight as inputs.

### Impacts

Microalgae remove CO2 from the atmosphere by photosynthesis, in the same way as trees. However, they are much more photosynthetically efficient.<sup>358</sup> By using non-productive desert land, Brilliant Planet has the potential for large-scale carbon removal, making a meaningful impact on climate change. As a co-benefit, its system also helps to restore coastal seawater to pre-industrial acidity levels.

