



# MAREEKH DYNAMICS

## NEWSLETTER

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**CRATERHAB  
CHILE**

*Chile-incorporated technology and innovation company formed through a collaboration between Mareekh Dynamics (Australia), Ferrada Blast (Chile), and Brazilian leadership.*

### Mission

To develop and implement pressurized habitability solutions that enhance human performance in extreme environments, applying planetary habitat technology to improve the safety and productivity of high-altitude mining.

### Vision

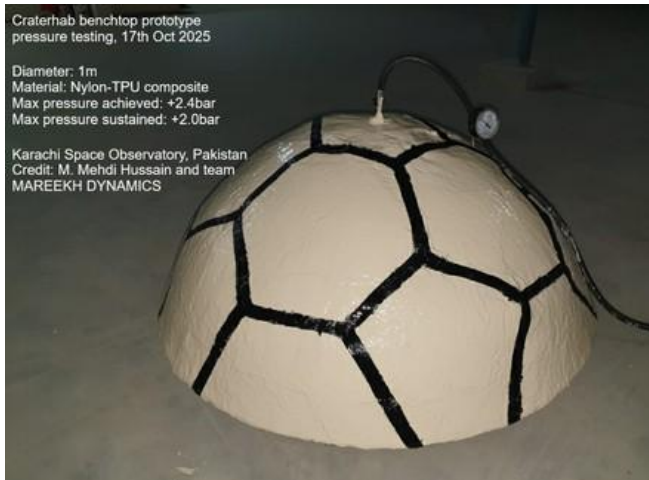
To become the benchmark company in Latin America for advanced habitability solutions in high-altitude mining and extreme environments.

### Values

People & Safety  
First | Innovation  
with Impact |  
Value Creation |  
Trust & Ethics |  
Vision for the  
Future.



## TYPES OF CRATERHAB PROTOTYPE



### Proof of Concept Prototype (1 m) – TRL 3

This initial prototype was developed to demonstrate the pressurization capability of a fabric-based dome structure. The system successfully achieved over-pressurization up to +2.5 bar, validating the core material and structural concept.



### Tech Demonstration Prototype (2 m) – TRL 4

This currently under construction 2-meter prototype is designed to demonstrate the technical viability of the patented Craterhab design under controlled conditions. It will operate at under-pressurization levels of approximately +0.15 bar and serve as a key intermediate step between concept validation and product development.



### Minimal Viable Product (MVP) (5–10 m) – TRL 5-6

The MVP phase will demonstrate Craterhab as a deployable and functional product. This prototype will operate at a target pressurization of +0.2 bar for high-altitude terrestrial environments, and is intended to support real-world operational use cases.