



Issue: 01
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VISION:

To make humans aquatic

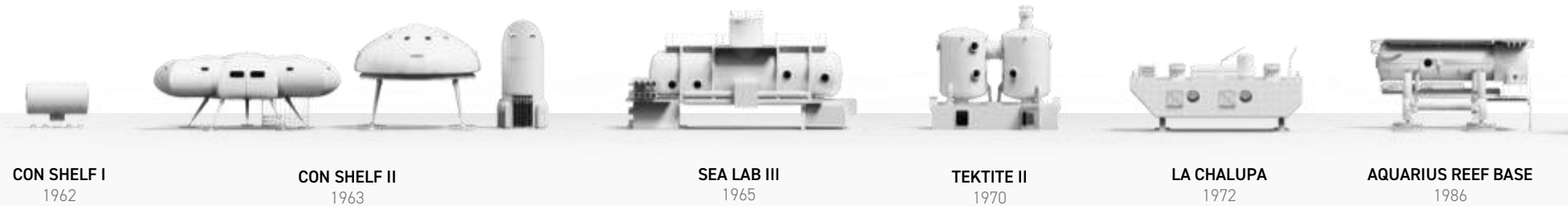
MISSION:

To invent amazing things so our species can thrive under water

DEEP is writing the next chapter in the rich history of subsea habitats, continuing the pioneering work of our forebears such as Jacques Cousteau, that has helped us understand so much more about our ocean.

A HISTORY OF SUBSEA HABITATS

In the twentieth century, the history of subsea human-occupied habitats was testament to human ingenuity, early engineering and perseverance, showcasing our ability to adapt and thrive in the most challenging environments on Earth. But progress stalled.



LIMITATIONS OF EARLY HABITATS

01. Habitats were made as one offs, with no economies of scale in design, manufacture, deployment or mission operations.
02. All early habitats were unable to be redeployed, restricting human access to limited areas of seabed, in turn limiting our lessons from the ocean.
03. Early habitats were not designed to be autonomous, which severely restricted access to the wider continental shelf.

INTRODUCING

SENTINEL™



MODULES

The entire Sentinel System is built around just two core modular components.



Segments

Segments define the length and capacity of each Sentinel.

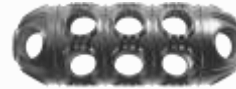


Terminals

Terminals bookend segments, completing the pressure hull.

SPANS & NODES

Our three habitat types are each comprised of multiple segments and two terminals.



Spans

Our flagship product; a subsea habitat outfitted for living and working subsea.



Nodes & Super Nodes

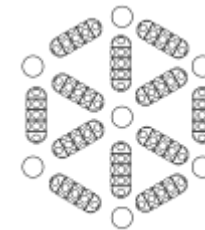
Nodes allow the linear connection of one span to another. A Super Node allows Spans to be stacked both linearly and vertically.

CONFIGURATIONS

Spans and Nodes together allow infinite configurations to suit customer requirements.



Tri-span configurations



Large scale configurations



HABITABILITY

Ensuring the Sentinel is a comfortable subsea environment to live, work and research has been at the heart of our unique design.

The crew can inhabit a beautifully ergonomic interior space, complete with private cabins, kitchen, restrooms, social and work facilities, and our incredible moon pool.

In a world's first, Sentinel provides comfort and utility underwater. No longer is oceanic human existence the preserve of submarine pilots or professional divers.



SENTINEL APPLICATIONS

RESEARCH

- Human adaptation & resilience
- Dive techniques
- Ocean species exploration & discovery
- Biomedical research for drug discovery
- Geology & geophysics
- Biomimetic applications



MONITORING, CONSERVATION & PRESERVATION

- Environmental monitoring
- Marine conservation
- Ecosystem remediation

HOSPITABILITY & CULTURAL

- Accommodation & recreation
- Hospitality & visitor centre
- Marine archaeology

COMMERCIAL TRAINING

- Commercial training & education
- Space analog
- Military & combat training
- Medical / Emergency response
- Seamount base camps

COMMERCIAL INFRASTRUCTURE SUPPORT

- Inspection, repair & decommissioning of oil & gas infrastructure
- Installation and monitoring of renewable energy infrastructure
- Investigation and recovery of subsea infrastructure

ADDITIVE MANUFACTURING

Our classed advanced manufacturing capability has multiple benefits for large form projects:

- Significant net carbon reduction vs. traditional methods
- Quick to establish substantial local manufacturing footprint
- Reduced lead times and waste
- Rapid prototyping capability
- Extensive library of acceptable metal types





ENGINEERING
WONDER