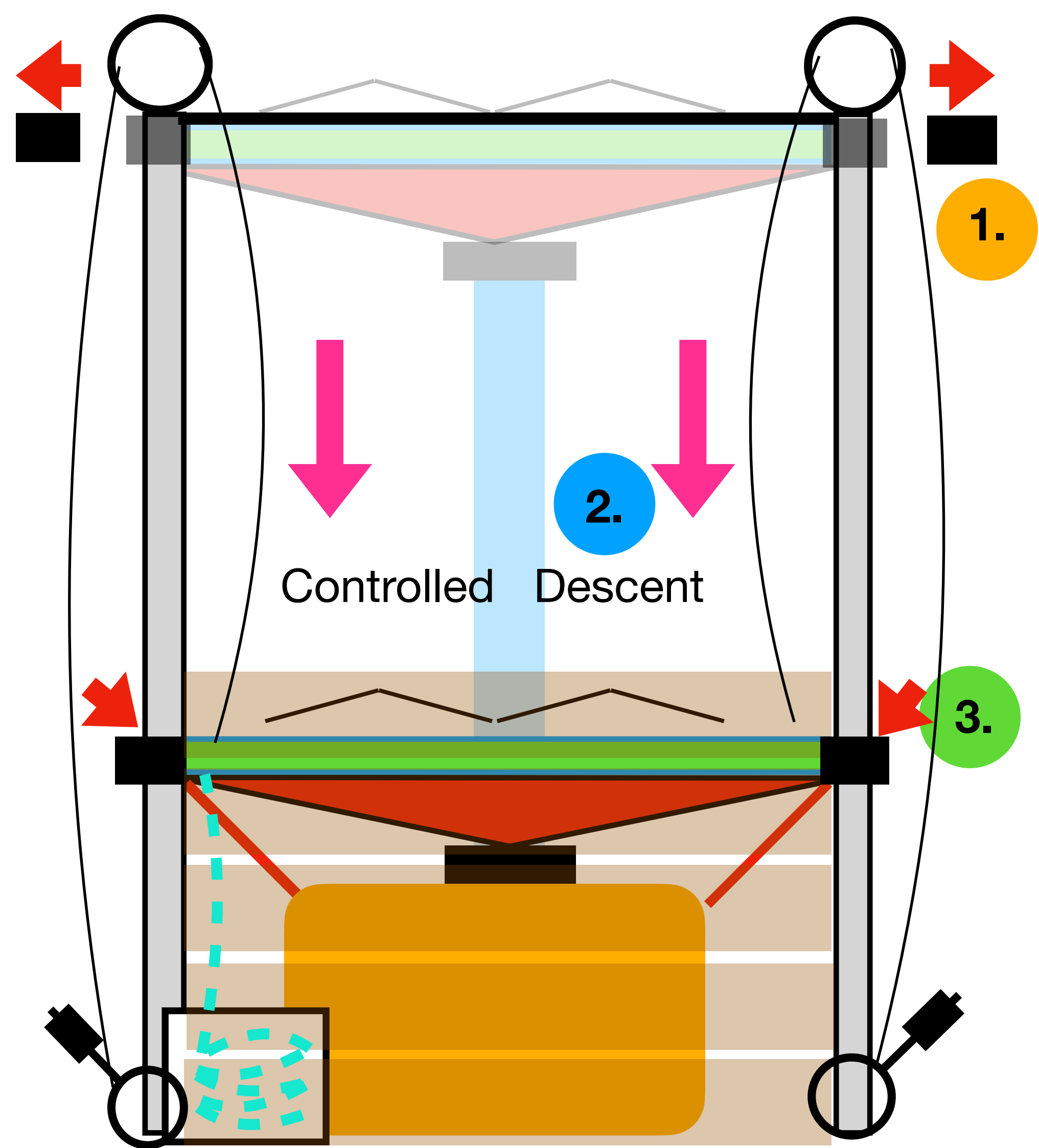


3. Kaleidoscope Metamorphosis: from Butterfly to Tardigrade!

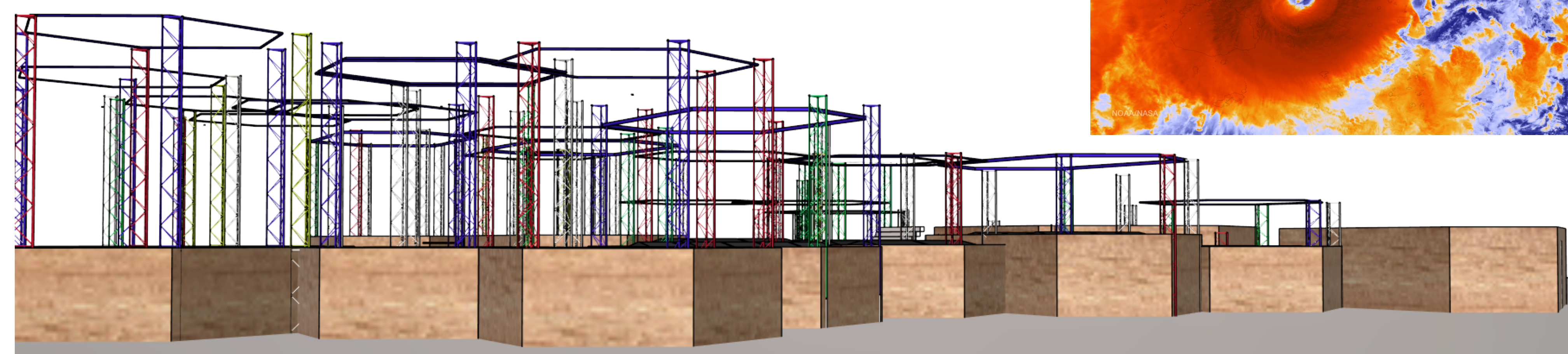
The Kaleidoscope Metamorphosis brings the high placed Modules into the protection of the Impact Barrier. Minimizing the exposed frontage of the Kaleidoscope to a Hurricane.



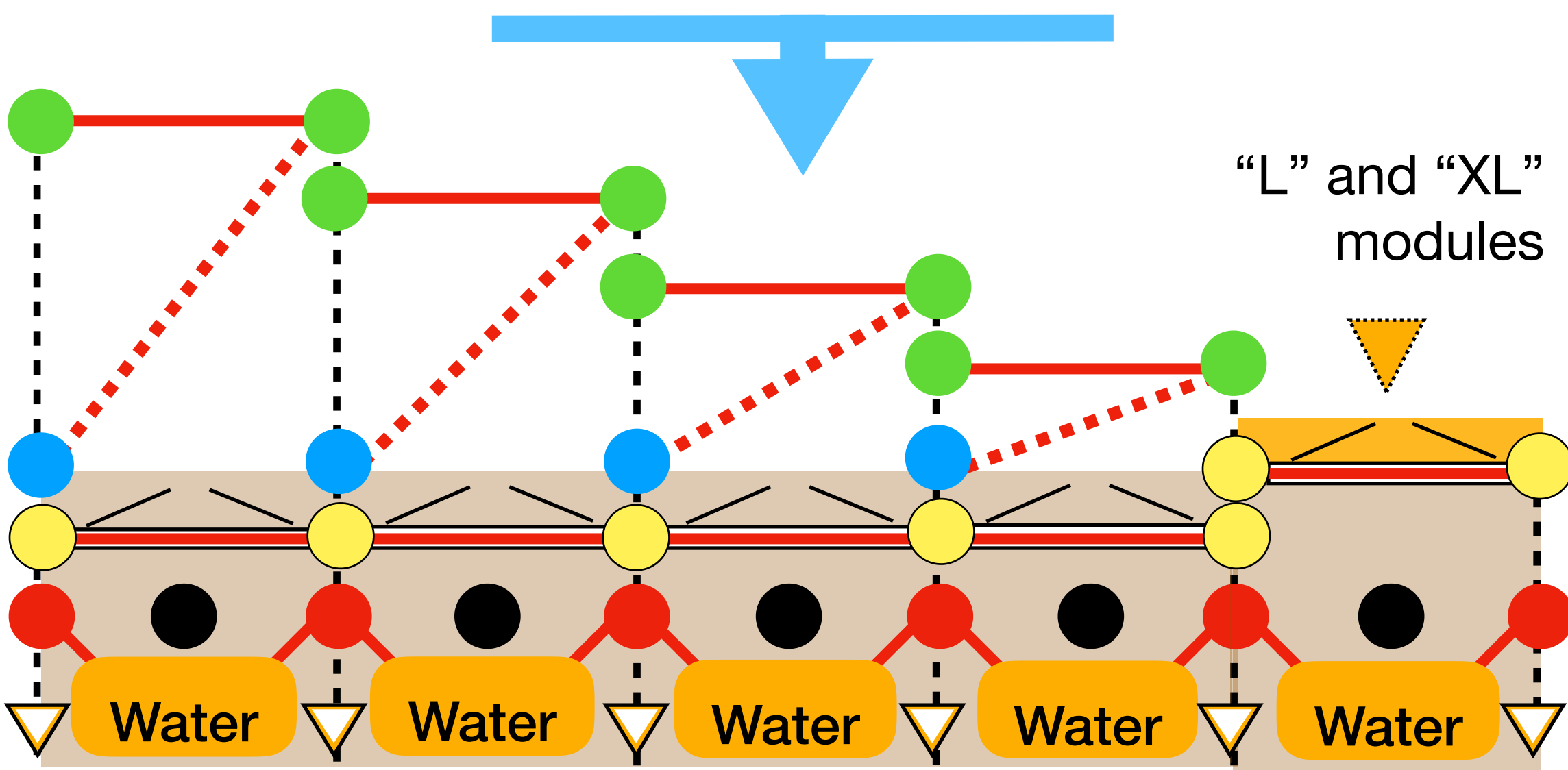
The Procedure to bring the Modules down to safety:

- 1: The Module is unlocked from the Vertical Truss
- 2: E- winches/Hand winches, pulleys and cables are used for controlled descent.
- 3: The Module is relocked in the lowest position, ballast lines attached. Easy as **1,2,3**.

Note: clamps are of the Quick Release type.
The time required, with practice, will be around 5-10 min/ Module.



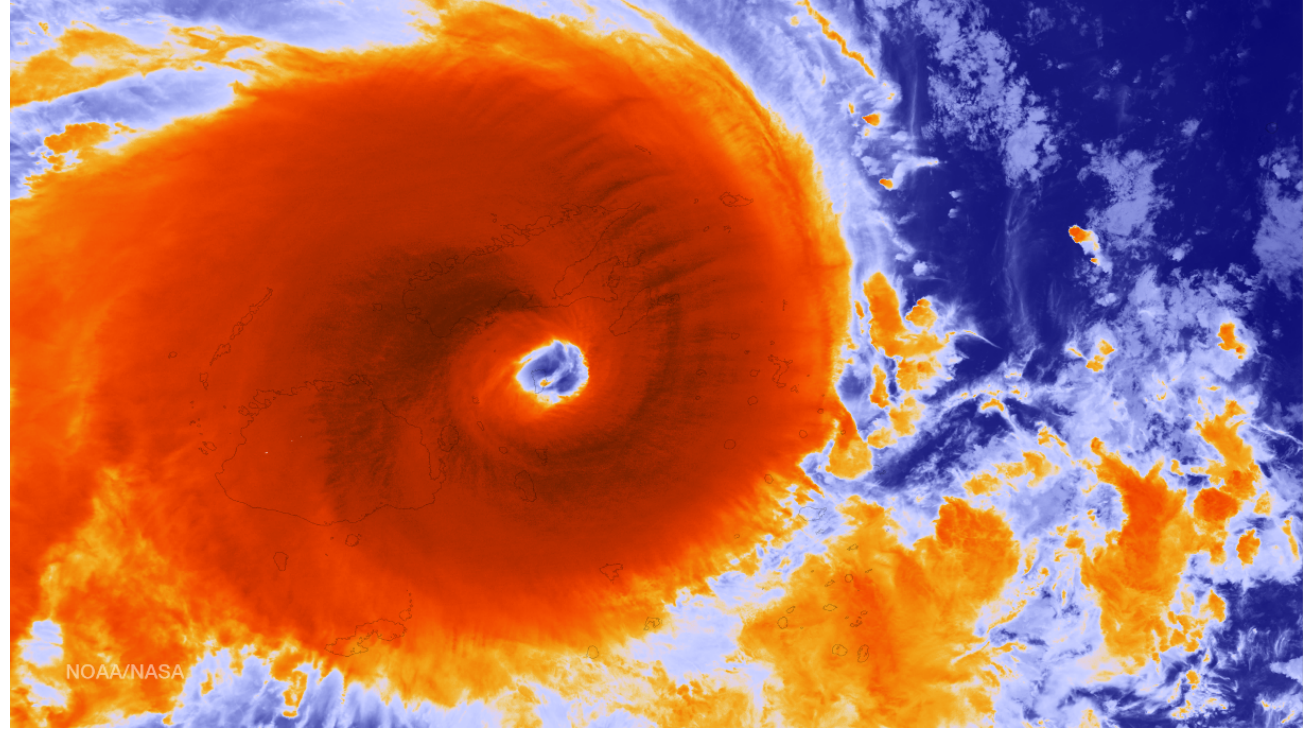
Tardigrade Mode- Minimum exposed frontage! Some colors added for clarity.



The Tardigrade Mode is complemented by the following passive, engineered-in assets:

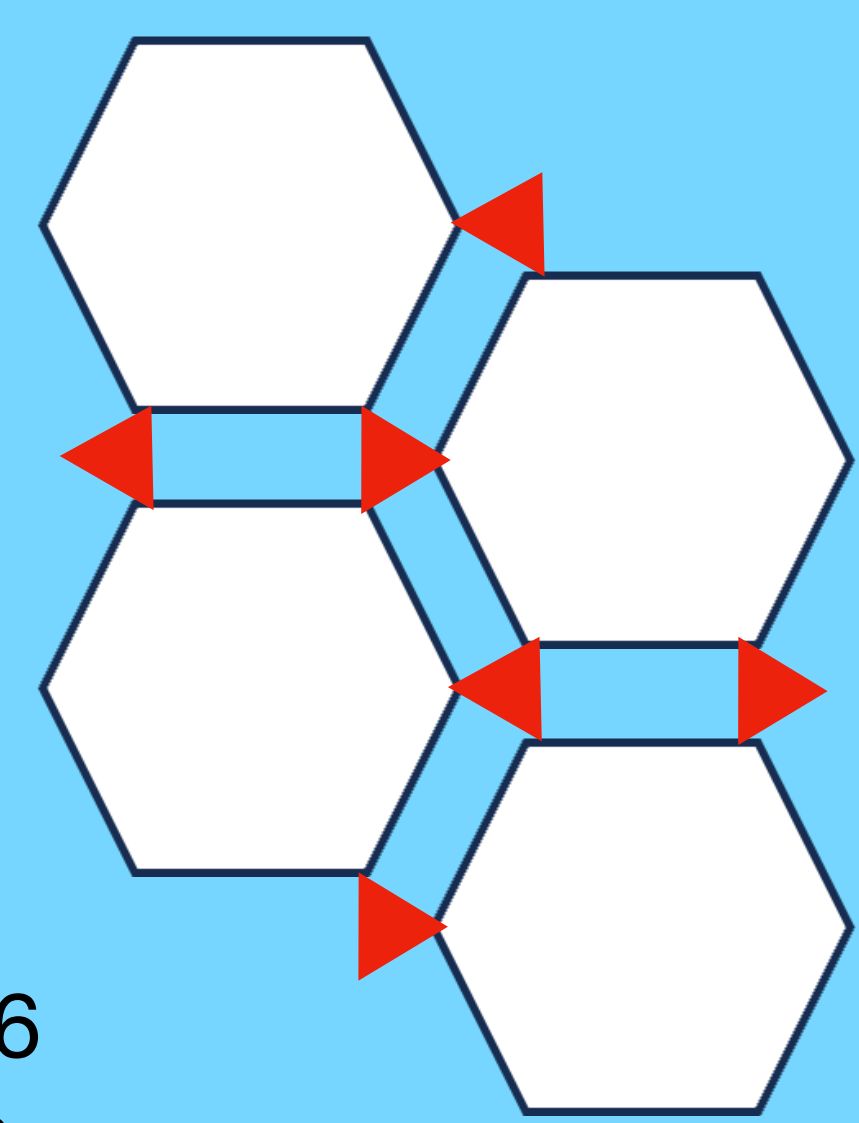
- Top braces that support and receive support from other Modules.
- Diagonal beams- if specified for perimeter.
- Interconnection of Modules and Truss beams
- Ballast from pillow tanks- 500 mt. @ 50% fill
- Impact Protection Barrier, protects against flying debris etc.
- ▽ Vertical Truss Beams- engineered for strength.

▽ The "L" and "XL" Modules are fixed at the lowest level. 0.5 meter extra height to the edges of the Modules is added to protect the PV Panels.



The Tardigrade or Water Bear is the toughest animal on Earth. They can survive extreme cold, heat, vacuum, high pressures, shocks, radiation and even outer space!

All these engineered-in assets work across the entire installation. The strength of interconnected structures:



Each hexagon is supported by 2 to 6 adjacent hexagons.