#### Attraction Name: HUMAN SANDBAG

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 Note: This pitch involves a theoretical conversion of Viking Norsafe's off-the-shelf Freefall Lifeboat from its conventional purposes of merchant ship and oil rig evacuation to a ride for an LBE Project. No representation is made that the vendor's proprietary system would meet the requirements of an attraction nor that the vendor would consider such repurposing.



## Storytelling

#### Richness in Story Telling

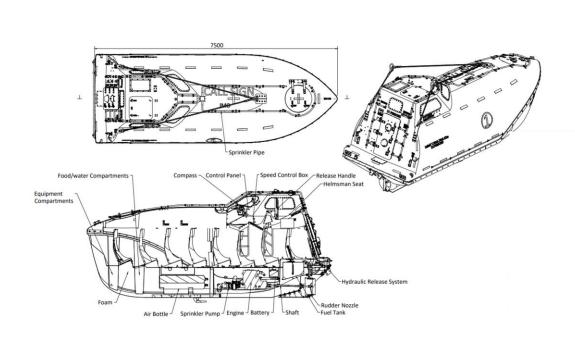
• Like a Zip Line or Bungee jump attraction, this ride system is a canvas that lends itself to many different story overlays. From an 'Abandon Ship Drill' to acting as 'Human Sandbags' for a vessel designed to take daredevil tourists over Niagra Falls – several stories can leverage the system.

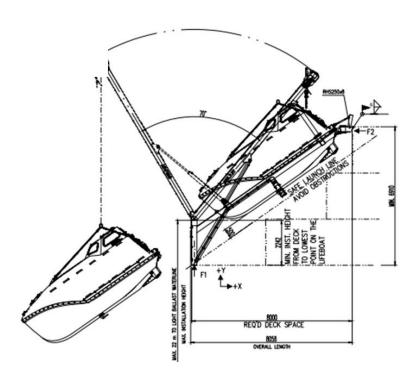
#### Emotional Resonance

- Marrying simulated danger with happy endings is the currency of many theme
  park rides. This ride system presents mental and visceral challenges that come
  with falling backwards from a great height while sealed in a vessel.
- This experience is not just for those who volunteer to be Human Sandbags. Cameras in the vessel provide a live feed to shore-based monitors where potential passengers and concerned observers can see the expressions of the passengers from the time they step aboard to when they reappear on the surface.

### Executability

- Applies a new application to Viking Norsafe's Freefall Lifeboat.
  - Leverages KIS philosophy Keep It Simple.
  - This escape vehicle has been successfully tested from a 40 meter height. The LBE application would consider drops in the 10 to 15 meter range.



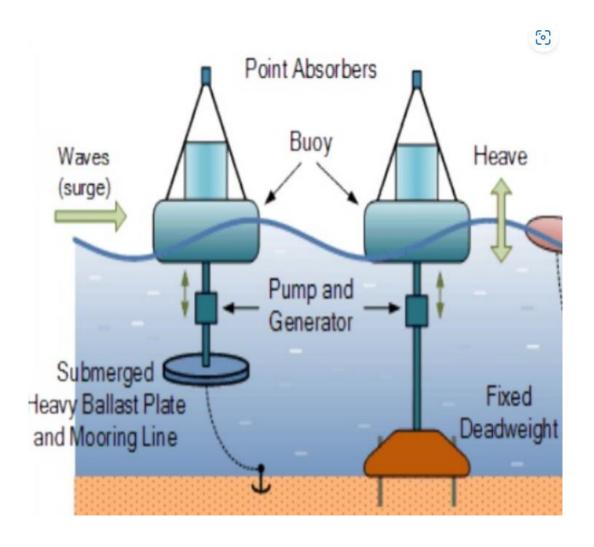


### Design-Innovation

- System scales with additional Vessels, Ramp/Davits.
- When employing more than one Lifeboat, Ramp/Davit drop heights can vary between 10 meters to 15 meters.



### Sustainability

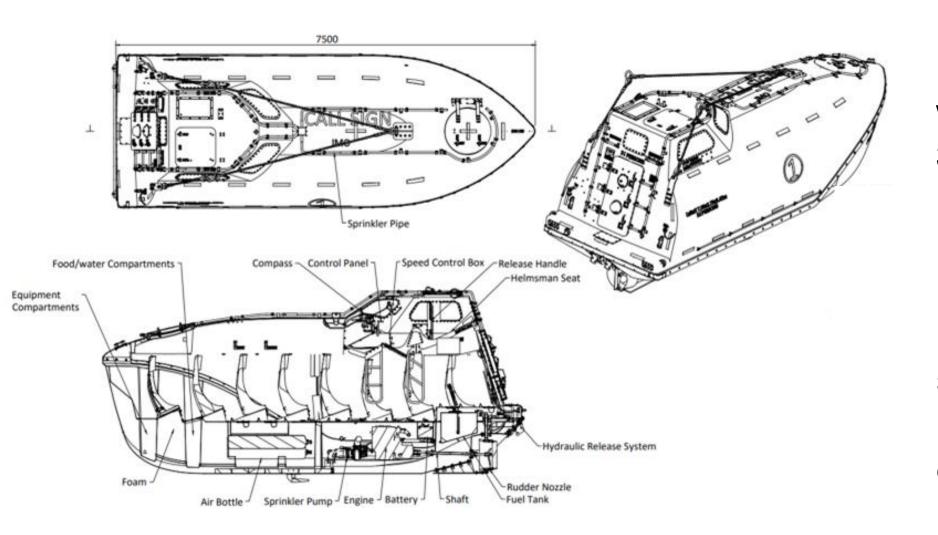


- Wave Energy Conversion Buoy
  - Captures wave energy released by Lifeboats striking the water to offset the energy used by the davits.



It begins...

They've watched from the sidelines and have mustered the courage to volunteer to be **'human** sandbags' in a test of the latest version of Viking Norsafe's **GES-25.** 



The GES-25 Freefall Lifeboat was designed for 32 souls, but this 'test' version only holds 20 passengers in backwards facing seats. This provides everyone with more elbow room.



20 passengers and 1 pilot board the vessel at sea level and after a safety briefing, the cabin door is shut.



## With everything in order:

- a davit extends,
- a harness is lowered and attached by shore crew,
- and the craft is raised to its launch ramp 10 meters above the water.



With a bump and a clank the vessel nests into the ramp. The lack of portholes is made up by monitors on the backs of seats. Viewing options include a bow camera as well as several from the shoreline that can track the vehicle's drop.



A shore-based horn blows and the vessel is released. Gravity takes over as the Lifeboat accelerates down a short ramp.



The extra G's that come with collision with the water are felt by everyone as the vehicle disappears below the waves.



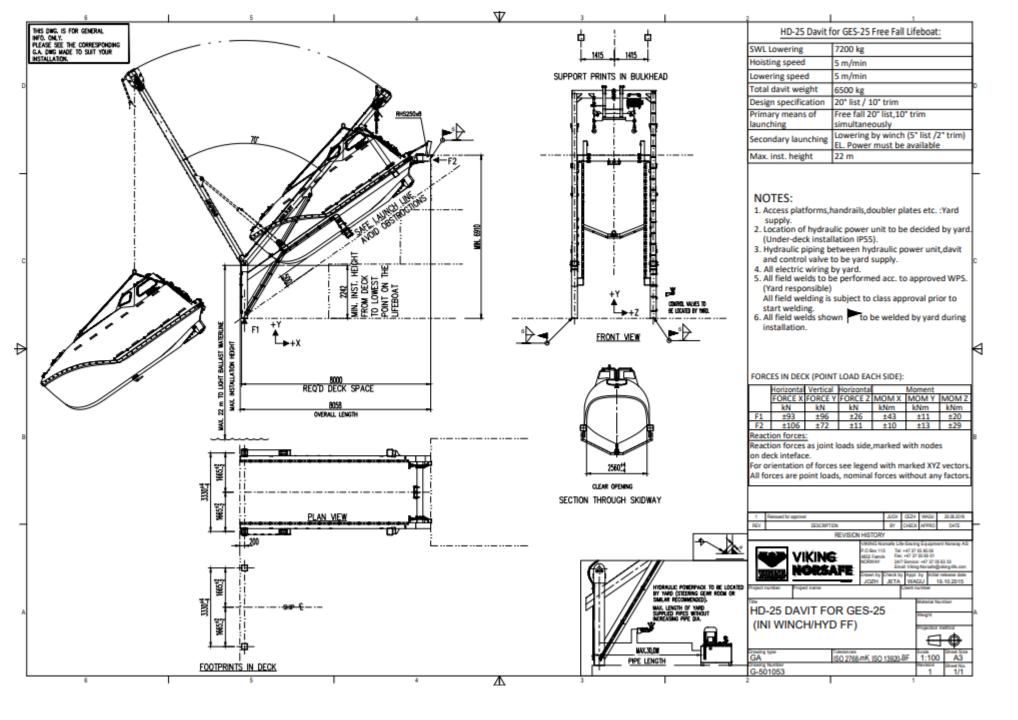
The flat screens in front of passengers provide a collage of views from shoreline cameras that capture the vehicle in its freefall, its disappearance into the water, and bobbing back to the surface.



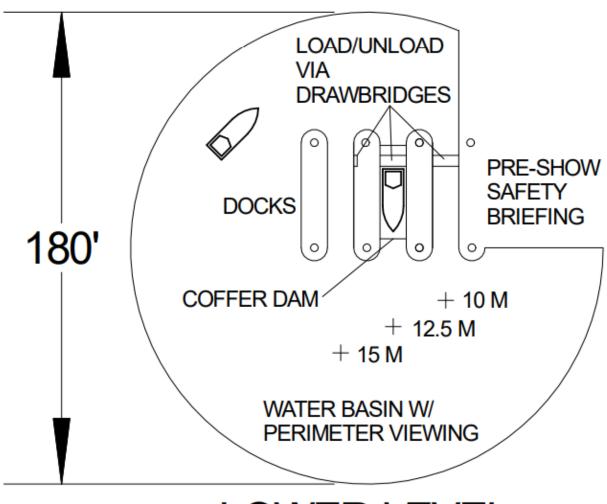
As the craft stabilizes the Pilot comes over the intercom and announces that the craft is shipshape and thanks everyone for assisting in the test.



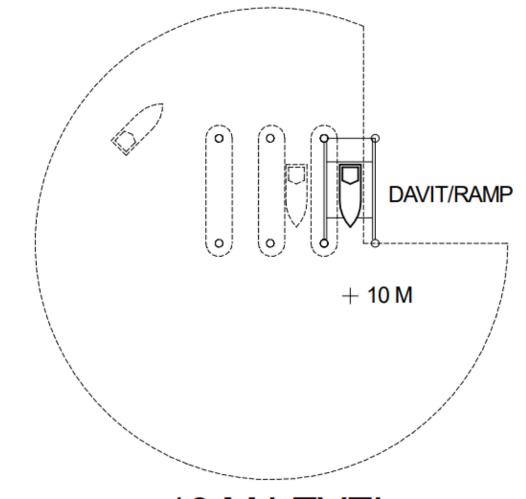
The Pilot activates the engine and reverses course back toward the Load/Unload dock.



# Ramp and Davit System



LOWER LEVEL



10 M LEVEL 12.5M & 15 M SIMILAR