

# OCEANXPERIENCE



OCEANX



FLYING FISH





***OceanXperience*** puts you in the driver's seat of a personalized adventure. Stepping onto an interactive replica of *OceanXplorer*, the world's most advanced research and filmmaking vessel, you can choose a mission that sparks your curiosity. As you explore the ship and actively participate in hands-on STEM-based research tasks, your journey is tracked and enhanced with RFID technology. The adventure culminates in an interactive facilitated HoloLab experience and powerful cinematic scenes in the immersive area. The exhibition is designed to fully engage all your senses with immersive soundscapes, tactile experiences, and visually dynamic media.

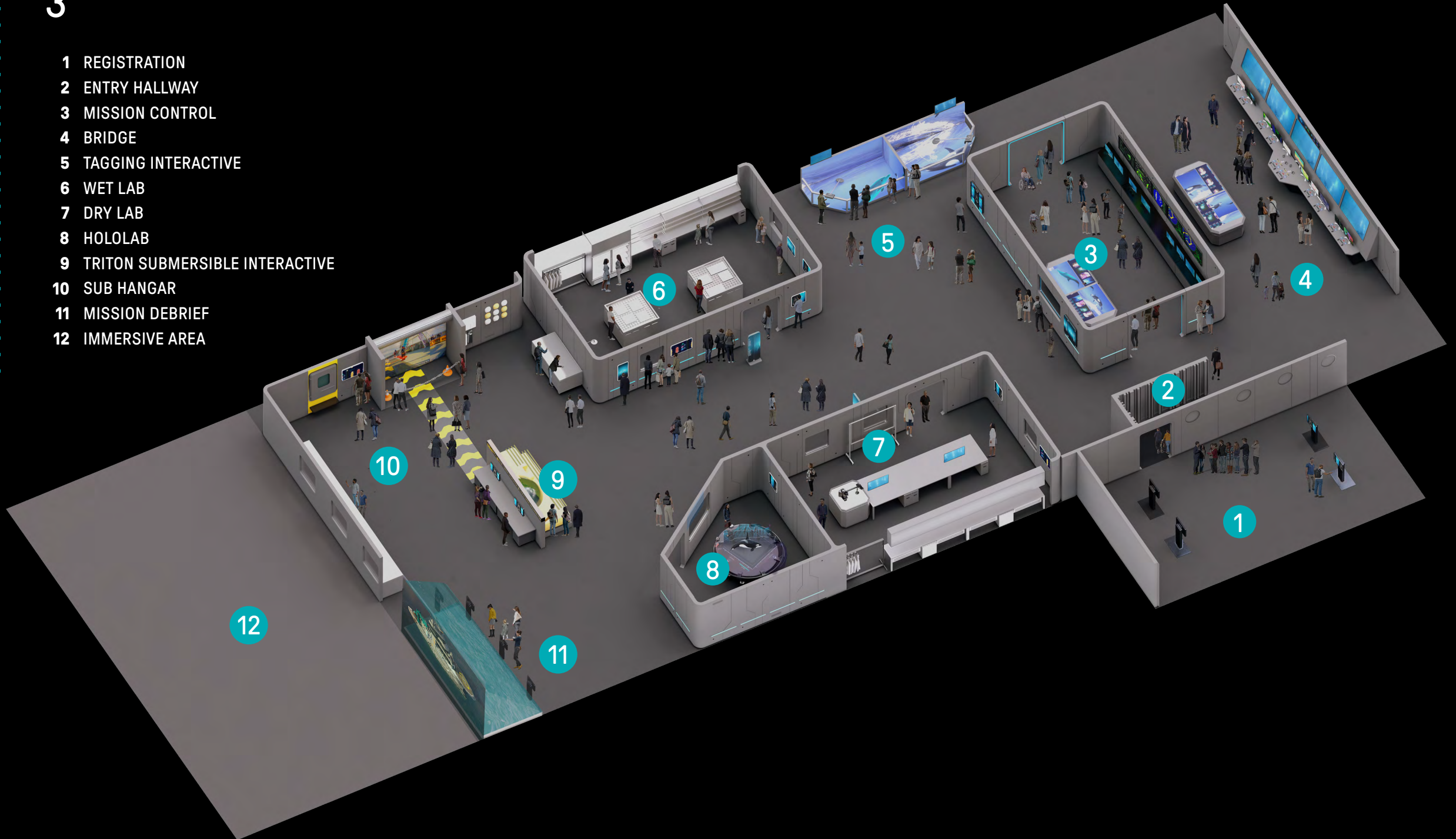
The exhibition recreated the most exciting rooms on the vessel to give you a sense of actually being an Xplorer onboard *OceanXplorer*, including:

- Mission Control
- Bridge
- Wet Lab
- Dry Lab
- Sub Hangar
- HoloLab



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## 4 MISSIONS



### HUMPBACK WHALE MISSION

Study how humpback whales use their habitat to communicate.

**1. Bridge Mapping Table:**

Plan the mission by scanning the ocean floor and determining the best location to drop hydrophones.

**2. Tagging Station:**

Drop the hydrophones and try to tag a humpback whale. Collect audio and visual data to provide unique insights into these magnificent creatures.

**3. Dry Lab Computer Station:**

Analyze the data collected at the Tagging Station and learn how the whales' environment affects communication.



### GREAT HAMMERHEAD SHARK MISSION

Study the Bahamian waters to determine why they are a hot spot for Great Hammerhead sharks.

**1. Mission Control Mapping Table:**

Chart a submersible path based on the pings' location from the shark's tag.

**2. Submersible Station:**

Visit two locations with shark tag pings, a coral reef, and an underwater shipwreck, and observe the habitat and biodiversity of the areas.

**3. Dry Lab Computer Station:**

Analyze the data collected during submersible dives and learn why great hammerhead sharks may be in these areas.



### ORCA MISSION

Study orca group dynamics and how they share their habitat with other species.

**1. ROV Station:**

Pilot a drone, observe an orca pod on the move, and plan where to go to tag the orca.

**2. Tagging Station:**

Attempt to tag an orca and collect audio and visual data.

**3. Hologram Station:**

Analyze the data collected at the tagging station and learn more about orca group dynamics.





## MISSION BRIEFING AND REGISTRATION

*OceanXperience* utilizes RFID technology for a personalized adventure. Once you activate an RFID wristband, you can choose one of three missions.



# Mission Control



## MISSION CONTROL

Mission Control is the heart of *OceanXplorer*, connecting the ship's technological systems, external sensors, and on and off-board activities. Mission Control is a lively and bustling area with a constant background hum of radio messages, sensor alerts, and other activities. Live feeds from different parts of the exhibition add to the excitement in this vibrant area.

## INTERACTIVES:

- ROV Stations
- Mapping Control Mapping Table
- CDT and EK80 Stations





## THE BRIDGE

Standing on the Bridge, you feel fully engaged in the vessel's critical operations. Large Lookout Windows show breathtaking views of a new world while the radio chatter and background noise transport you into the heart of the action. Interactive backlit buttons and switches are strategically positioned across the desktop, further enhancing the immersive experience.

## INTERACTIVES:

- Pilot Stations
- Bridge Mapping Table
- Captain's Switch Board
- Immersive Lookout Windows





TAGGING STATION





## WET LAB

The Wet Lab is a place for scientific investigation and analysis, where collected data can be analyzed using the scientific method to learn about the messier side of science.

## INTERACTIVES:

- Hologram Stations
- Mahi-Mahi Dissection
- Coral Samples
- Sediment Core Samples





## DRY LAB

Applying meaning to collected data and samples is an important aspect of the scientific method. The Dry Lab is where much of this happens onboard *OceanXplorer*. As you explore the ship's labs, you become an integral part of the process, learning how scientists conduct investigations in genetics, biology, and more through traditional interpretation and hands-on interactives.

Prepare to feel investigative, analytical, and immersed in scientific exploration.

## INTERACTIVES:

- Dry Lab Computer Stations
- Projection Microscope
- Genetic Sequencer
- *OceanXplorer* Data Collection Tools





## SUB HANGAR

*OceanXplorer's* deep-sea submersibles work with the ship to illuminate life-changing secrets lurking in the depths. The projection on the Sub Hangar door gives you a glimpse of operations through the rear of the vessel.

## NEPTUNE SUBMERSIBLE

The Sub Hangar is a place in motion. Here, you deploy the submersible for Mission tasks.





SUB HANGAR



# Sub Hangar



## ENGINEERING STATION

Unleash your inner engineer with engaging, hands-on activities next to the submersible. Three porthole windows offer a picturesque view of the surrounding region, adding to the immersive experience.

1. BUILD A DIRECTIONAL HYDROPHONE TO RECORD WHALE SONGS

2. MODIFY AN ROV ARM TO SAFELY COLLECT CORAL

3. REPAIR A DRONE BY FIXING POWER LIGHT AND FAN BLADES CIRCUIT





## THE HOLOLAB

*OceanXperience* features a groundbreaking HoloLab, allowing you to interact with the same mixed-reality technology used for scientific research missions onboard *OceanXplorer*. You can wear HoloLens headsets, participate in a guided HoloLab experience, or observe participants' activities through N-Cam footage and a viewing window.

Under the expert guidance of a facilitator, engage in insightful discussions on how technology can further research and collaboration, all while using holograms to dive into the fascinating world of marine biology.



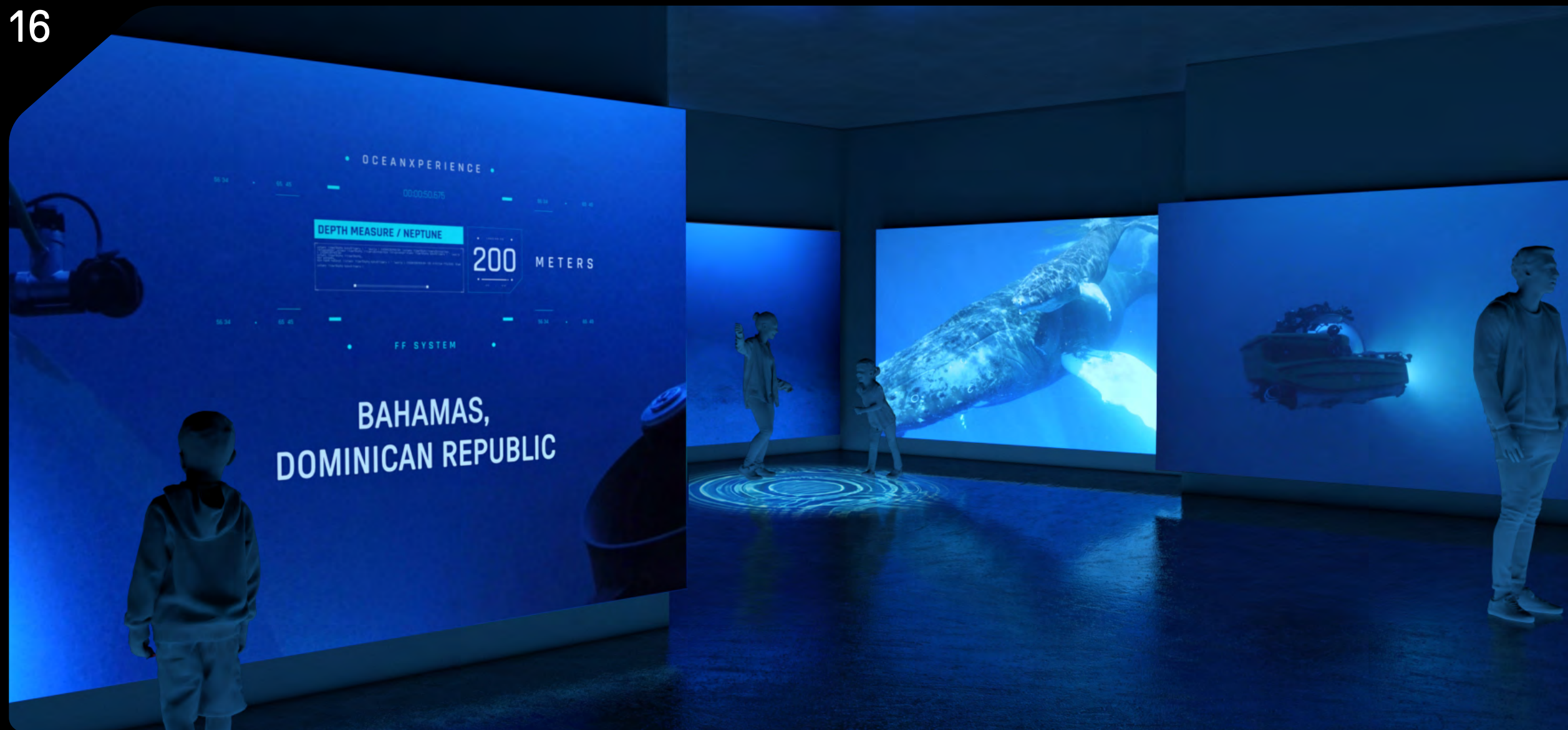


## MISSION DEBRIEF

After completing your Mission, head to the Mission Debrief interactive, where a stunning animated display of the region is projected. Three large touchscreen displays allow you to engage with digital content and conclude your Mission. As you interact with the touchscreen, the projection animations adapt to show the subset of topics you are exploring.

This personalized approach ensures that the content you engage with is relevant and directly tailored to your Mission. These topics delve into the connections between your Mission and the bigger picture, highlighting the next steps you can take to make an impact after leaving the exhibition, fostering a sense of connection.





## IMMERSIVE AREA

Immerse yourself in never-before-seen footage from OceanX on a 360-degree voyage into the ocean's depths. This footage showcases the diversity of the ocean's inhabitants with never-before-seen shots, environmental soundscapes,

and a musical score, providing a dynamic and emotionally rich experience that echoes the exhibition's broader themes. Get ready for an exploration of the unknown like no other.





## EXHIBITION HIGHLIGHTS

### MISSION CONTROL

- ROV Stations
- Mission Control Mapping Table
- EK80 and CTD Stations

### BRIDGE

- Pilot Stations
- Bridge Mapping Table
- Immersive Bridge Lookout Windows
- Captain's Switch Board
- Tagging Station

### HOLOLAB

- Facilitated HoloLens Experience
- Multiple Viewing Options

### WET LAB

- Hologram Station
- Refrigerator (with samples)
- Mahi Mahi Dissection
- Coral Samples
- Sediment Core Samples
- Living Rock Display

### SUB HANGAR

- Triton Submersible Replica
- Engineering Interactives
- Submersible Stations
- Sub Hangar Door Projection
- Porthole Lookout Windows

### DRY LAB

- Genetic Sequencer
- Computer Stations
- Data Collection Tools
- Projection Microscope

### IMMERSIVE AREA

- Mission Debrief - Interactive Projection Diorama
- 360-Degree Visuals and Soundscapes





## ABOUT FLYING FISH

Flying Fish is a leading producer of traveling exhibitions. We collaborate with top museums and science centers to create extraordinary and impactful experiences.

We are committed to making exceptional, authentic content accessible to all while generating sustainable revenue streams for our clients.

For Museums. By Museums.



**FLYING FISH**

## ABOUT OCEANX

OceanX is on a mission to support scientists to explore the ocean and to bring it back to the world through captivating media. Uniting leading media, science, and philanthropy partners, OceanX utilizes next-gen technology, fearless science, compelling storytelling, and immersive experiences to educate, inspire, and connect the world with the ocean and build a global community deeply engaged with understanding, enjoying, and protecting our oceans. OceanX is an initiative of Dalio Philanthropies, which furthers the diverse philanthropic interests of Dalio family members.

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## ABOUT NATIONAL GEOGRAPHIC

For more than 130 years, the National Geographic Society has funded the best and brightest individuals dedicated to scientific discovery and understanding of our world.

Our historic commitment to dauntless exploration dates back to our founding in 1888 when 33 prominent scholars and scientists established an organization dedicated to the "increase and diffusion of knowledge."



## ABOUT ARIZONA SCIENCE CENTER

The mission of Arizona Science Center is to inspire, educate, and engage curious minds through science. The Center features more than 300 hands-on exhibits, live demonstrations, a range of interactive online science content, the state-of-the-art Dorrance Planetarium, and the five-story Irene P. Flinn Giant Screen Theater, exciting science programs for people of all ages. Educators, and so much more.







## ABOUT OCEANXPLORERS

The upcoming series follows a group of daring explorers, scientists, and filmmakers as they utilize unprecedented technology in the quest to solve some of the ocean's greatest mysteries while overcoming a range of challenges.

Equipped with *OceanXplorer's* cutting-edge scientific equipment, the series will capture the excitement of exploration and showcase extraordinary wildlife filmmaking while pushing the boundaries of knowledge at the final frontier on Earth - its oceans. Unimaginable encounters, once-in-a-lifetime experiences, and innovative filmmaking techniques will bring the mesmerizing worlds of the oceans to life in exquisite detail.

The series is co-produced by OceanX and BBC Studios' Natural History Unit and executive produced by James Cameron.

"OceanX is on a mission to explore the ocean and bring it back to the world, and there is no better opportunity to do so than through immersive storytelling like the *OceanXperience* exhibition," said Mark Dalio, Founder and Co-CEO of OceanX. "Our partnership with Flying Fish will put audiences in the front seat of ocean exploration, allowing ocean lovers, science enthusiasts, and curious, lifelong learners everywhere to experience the wonder, beauty, and excitement of our oceans and inspiring them to care about our planet's most treasured natural resource."





## SPECIFICATIONS

- Size:** 8,000 - 10,000 sq. ft.
- Production Time:** Fourteen (14) working days for installation; ten (10) for deinstallation
- Freight:** Four (4) 53 ft. trailers
- Languages:** Exhibition provided in American English & Latin American Spanish

## TOUR AVAILABILITY

August 2027 and beyond

## CONTACT

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*OceanXperience* is a traveling exhibition produced and toured internationally by Flying Fish, based on the National Geographic series *OceanXplorers*, produced by BBC Studios Natural History Unit and OceanX in association with Lightship Earth Productions.