

CONCEPT OVERVIEW

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INTRODUCTION

OceanXperience puts visitors in the driver's seat of a personalized adventure. Climbing aboard an interactive replica of *OceanXplorer*, the most advanced research and filmmaking vessel in the world, visitors choose a mission tailored to their interests. As visitors explore the vessel and enjoy hands-on STEM-based research tasks, their journey is tracked and enhanced with RFID technology. The adventure culminates in an interactive HoloLab experience and powerful cinematic scenes in the 360-degree theater. Filled with soundscapes, touch, and visually dynamic media, the exhibition is sure to engage all the senses.

The most captivating rooms from the vessel have been recreated in the exhibition to give visitors a sense of actually being an Xplorer onboard *OceanXplorer*, including:

- Mission Control
- Observation Deck
- Bridge
- HoloLab
- Wet and Dry Labs
- Sub Hangar

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THE BIG IDEA

Ocean exploration is an exciting and important field filled with cutting-edge science and technology.

OceanXperience uses innovative, mission-based storytelling and cinematography to bring important discoveries about ocean environments and their inhabitants back to shore, and to raise awareness for the oceans and create a community engaged with protecting them.

OceanX's one-of-a-kind research vessel, *OceanXplorer* and the Xplorers humanize the mission-based *OceanXperience*, and help to inspire lifelong learners, future conservationists and changemakers.



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KEY THEMES

A MAJESTIC, LIVING ENVIRONMENT

Earth's oceans are filled with some of the most amazing creatures, plants, and natural features; yet less than 20 percent have been explored and charted. The Xplorers aboard *OceanXplorer* are bringing new discoveries to shore and highlighting conservation efforts for the preservation and restoration of these environments.

AN AUTHENTIC AND HUMAN MISSION

The Xplorers are a young and diverse bunch of specialists who are driven by unyielding curiosity, voracious audacity, and a limitless passion for the ocean. The Xplorers are the visitors' viewport into the mission and humanize the experience by sharing their personal successes and struggles.

HIGH-TECH ADVENTURE AND EXPLORATION OF THE UNKNOWN

OceanXplorer is a cutting-edge, all-in-one vessel for adventure, exploration, research, and cinematography of the oceans.



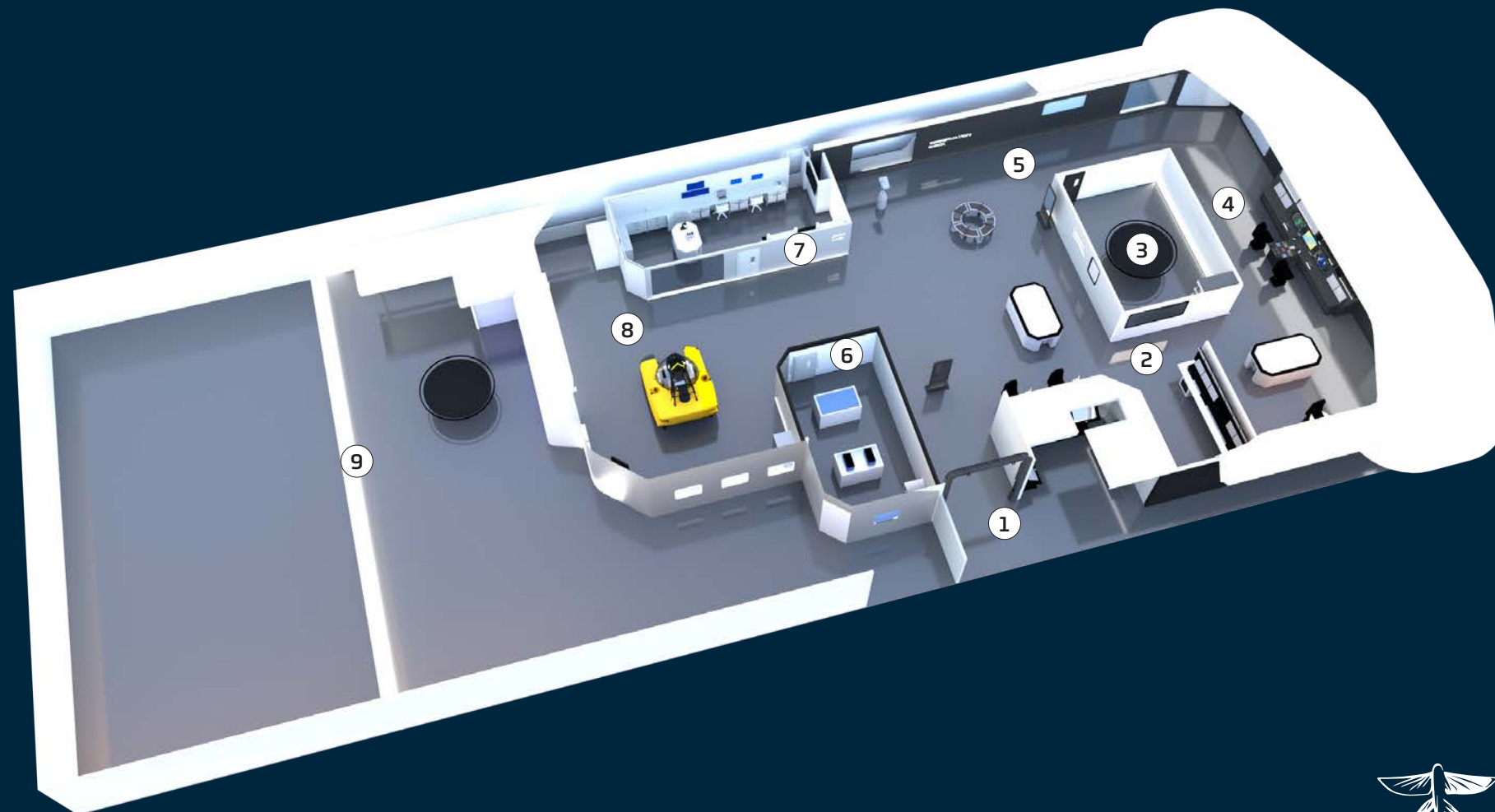
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EXHIBITION AREAS

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- 1 ENTRANCE & MISSION REGISTRATION
- 2 MISSION CONTROL
- 3 HOLOLAB
- 4 THE BRIDGE
- 5 OBSERVATION DECK
- 6 WET LABRATORY
- 7 DRY LABRATORY
- 8 SUB HANGAR
- 9 IMMERSIVE AREA



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MISSION BRIEFING & REGISTRATION

OceanXperience utilizes RFID technology to provide a customized visitor journey. After activating their RFID wristband, each visitor will choose from a variety of missions tailored to their interests.

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EXHIBITION MISSIONS

Onboard *OceanXplorer* visitors work towards completing their mission which consists of three tasks at interactive stations. The three tasks closely align with how the Xplorers work and conduct research in *OceanXplorers*.

PLANNING

The planning task sets up a question and hypothesis for study through the scientific method. The planning task will always relate to mapping and provide the visitor with any background information they may need to understand how to successfully execute their mission.

EXECUTION

The execution task, varies depending on the mission, but is usually related to collection of data through tagging and/or samples. This is the primary objective of each mission.

ANALYSIS

Finally, the analysis task utilizes data collected during the execution to highlight important concepts, scientific findings, or themes relevant to *OceanXplorers*.

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ZOLEKA FILANDER
marine biologist

DRY
LAB

ACTIVATION

MISSION
CONTROL

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MISSION CONTROL

On *OceanXplorer*, Mission Control is the heart. It connects onboard and offboard activities, as well as technology and other sensors. This essence will be captured within the exhibition; this area will be lively and buzzing with excitement.

This tone will be achieved through a quiet but steady stream of background noise (radio messages, pings from equipment and sensors, etc) as well with live feeds of other exhibition areas.

A multitude of interactive stations, including ROV pilot stations, will entice visitors to enter and learn about mission planning, technology, and teamwork.

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OBSERVATION DECK

OBSERVATION DECK

This area will be a visitor's first glimpse of topside views from *OceanXplorer*. As they round the corner, views from large picture windows will take visitors' breath away and the space will feel reflective. The Observation Deck will include the animal tagging interactive at one window, an execution task featured during missions. Nearby, interpretive panels cover additional ocean exploration themes and topics.

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THE BRIDGE

In the Bridge, visitors will feel on alert, while paying attention to the critical operations of the vessel. As regional views are displayed on large picture windows, radio chatter and other background noises will give visitors the feeling they are part of the action. Over the intercom, the Captain may announce a humpback whale is breaching on the starboard side, as a whale will be seen on the picture windows doing just that!

Four pilot stations will provide room for mission tasks and navigating the vessel across the ocean. Data feeds and interactive backlit buttons or switches will be placed across the desktop for a fully tactile experience.





THE HOLOLAB

The exhibition also features a replica of OceanXplorer's groundbreaking HoloLab. The HoloLab includes the same technology utilized onboard the vessel for scientific research missions. This technology allows visitors to visually and dynamically understand scientific data. 3D holograms, that visitors can manipulate, are displayed above the HoloTable and viewed with the Microsoft HoloLens 2. Visitors can also watch others use this amazing tech with N-Cam live feeds.



HOLOLAB EXPERIENCE

The HoloLab experience will be facilitated by an educator. During the 10 minute facilitated experience, visitors will have the opportunity to wear and use HoloLens headsets, or observe the activities of the HoloLens wearers through N-cam footage and viewing windows.

A facilitator will guide a group of approximately 10 visitors through a collaborative learning experience focused on the visualization and analysis of scientific data, and discuss how technology can be used as a tool to further research and collaboration.

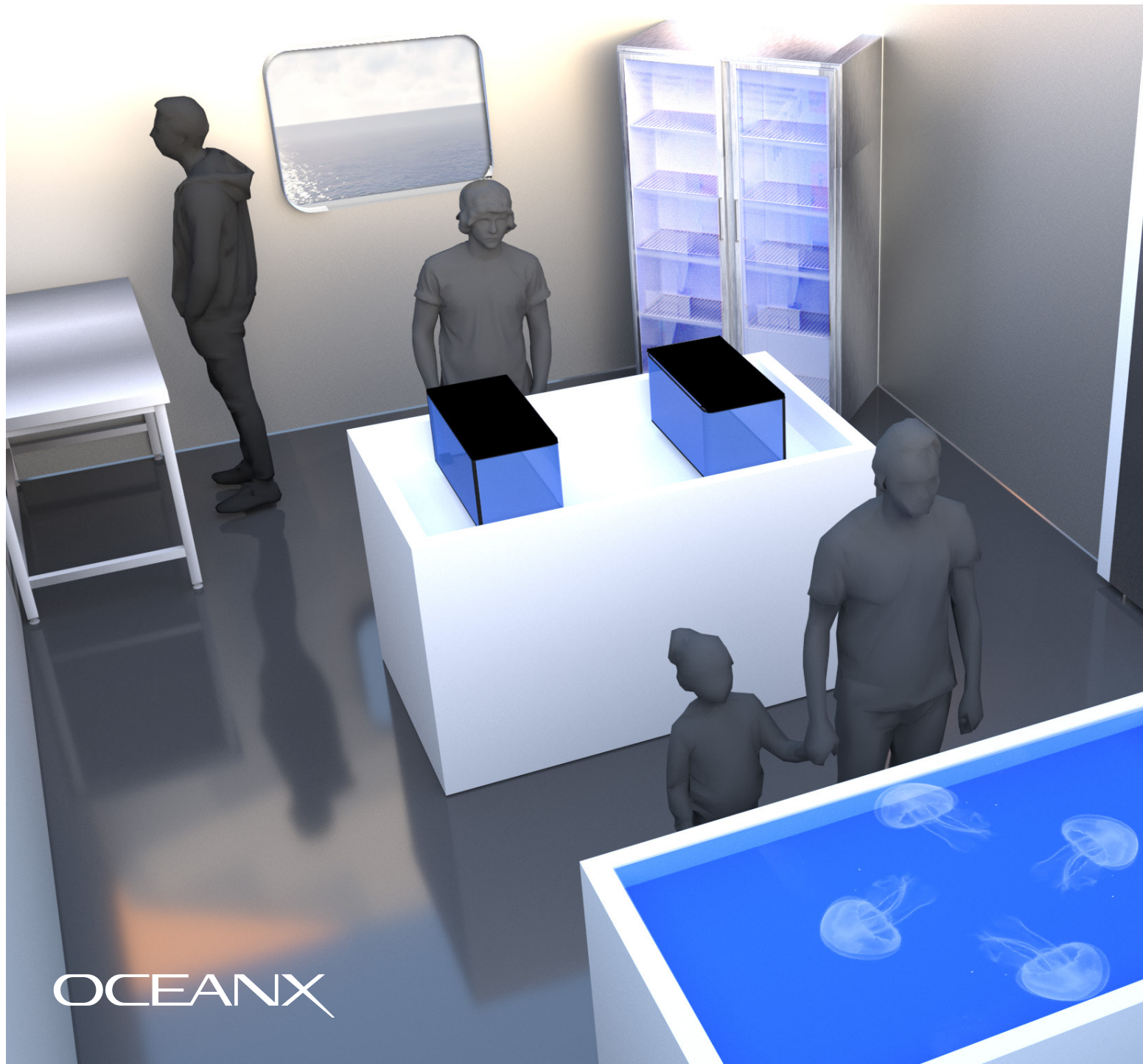
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DRY LAB

Applying meaning to collected data and samples is an important aspect of the scientific method. The Dry Lab is where much of this happens aboard the vessel. Visitors will feel investigative and analytical as they learn about how scientists use the labs onboard *OceanXplorer*. Topics like genetics and biology are explored here with traditional interpretations, as well as a multitude of hands-on interactives.





WET LAB

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Like the Dry Lab, the Wet Lab is a place for investigation and analysis. Visitors will apply meaning to collected data using the scientific method, as well as learn about topics like energy conservation and the food chain. Entering the Wet Lab, visitors will know that this is a place for 'doing'.

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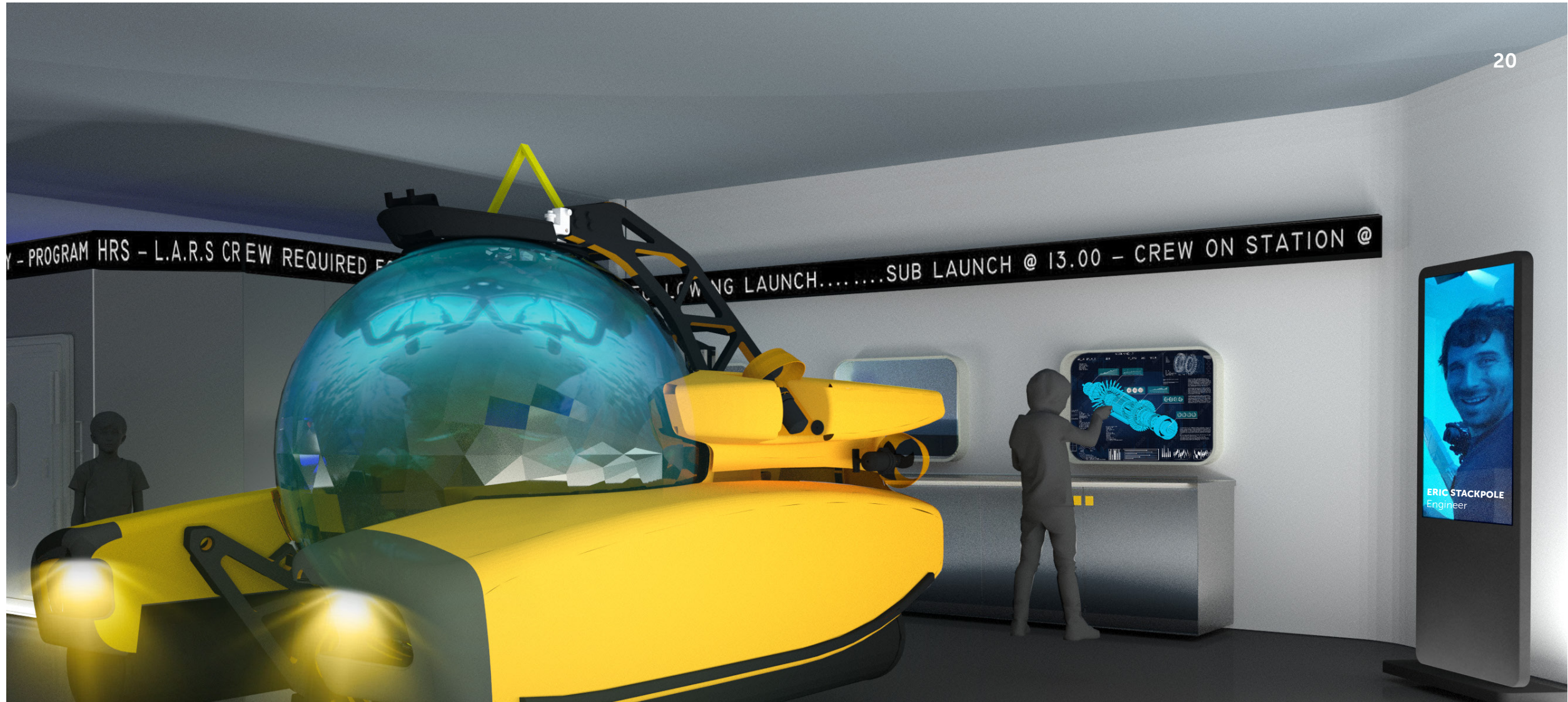


SUB HANGAR

The Sub Hangar is a busy place; when visitors walk inside, they'll see out the hangar doors and begin to understand what the operations of the vessel look like on exterior decks. The hangar will house a variety of interactives, include touchable tools and sensors.

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Y - PROGRAM HRS - L.A.R.S CREW REQUIRED FOR FOLLOWING LAUNCH.....SUB LAUNCH @ 13.00 - CREW ON STATION @

NEPTUNE SUBMERSIBLE

The Sub Hangar is a place for submersibles. A replica Triton submersible will live here, complete with interactive controls and visuals inside.

ENGINEERING STATION

Near the submersible, various hands-on activities will allow visitors to harness their inner engineer. As they approach the workbench, visitors will see three porthole windows with regional views to help set the scene.

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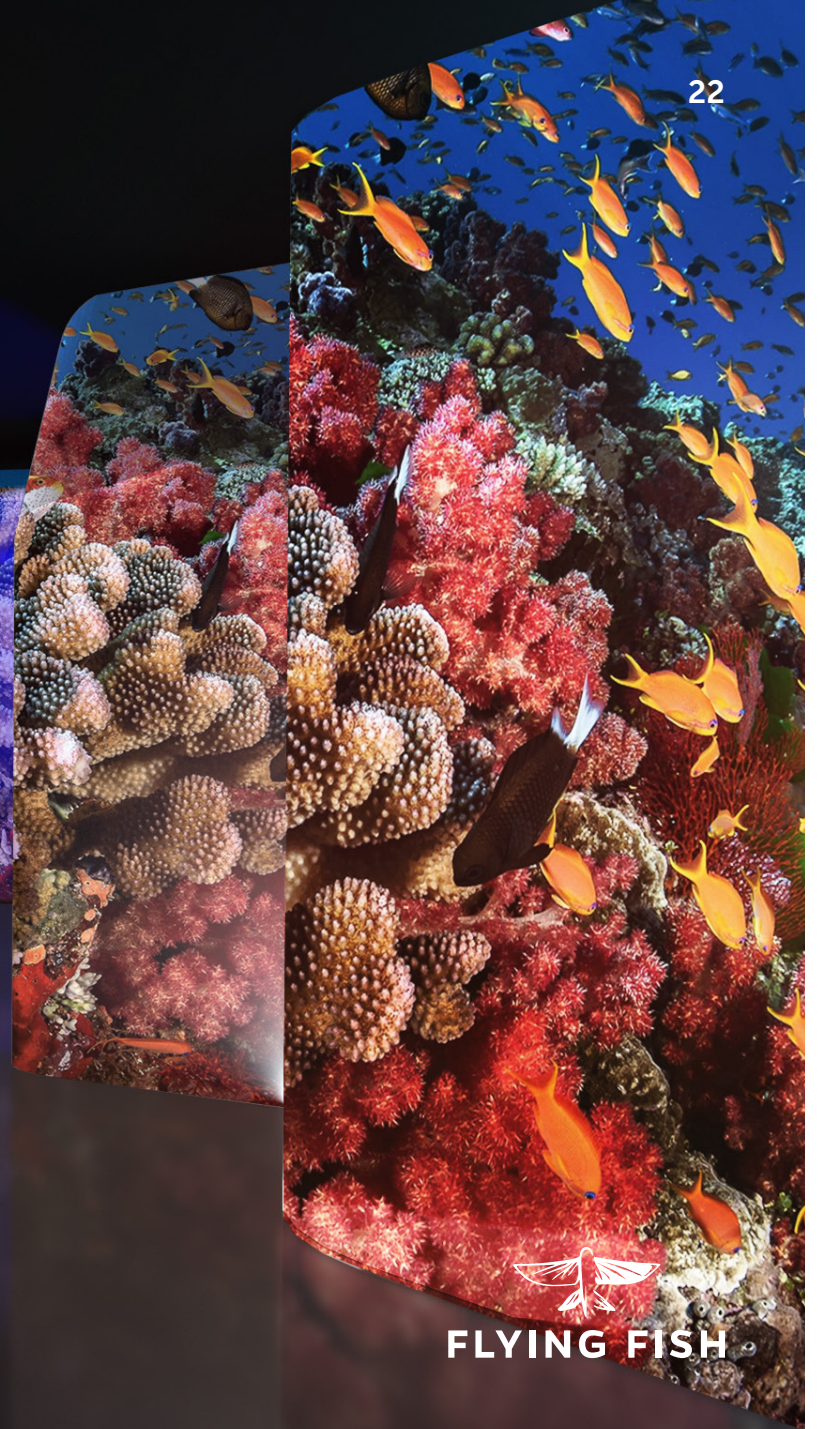
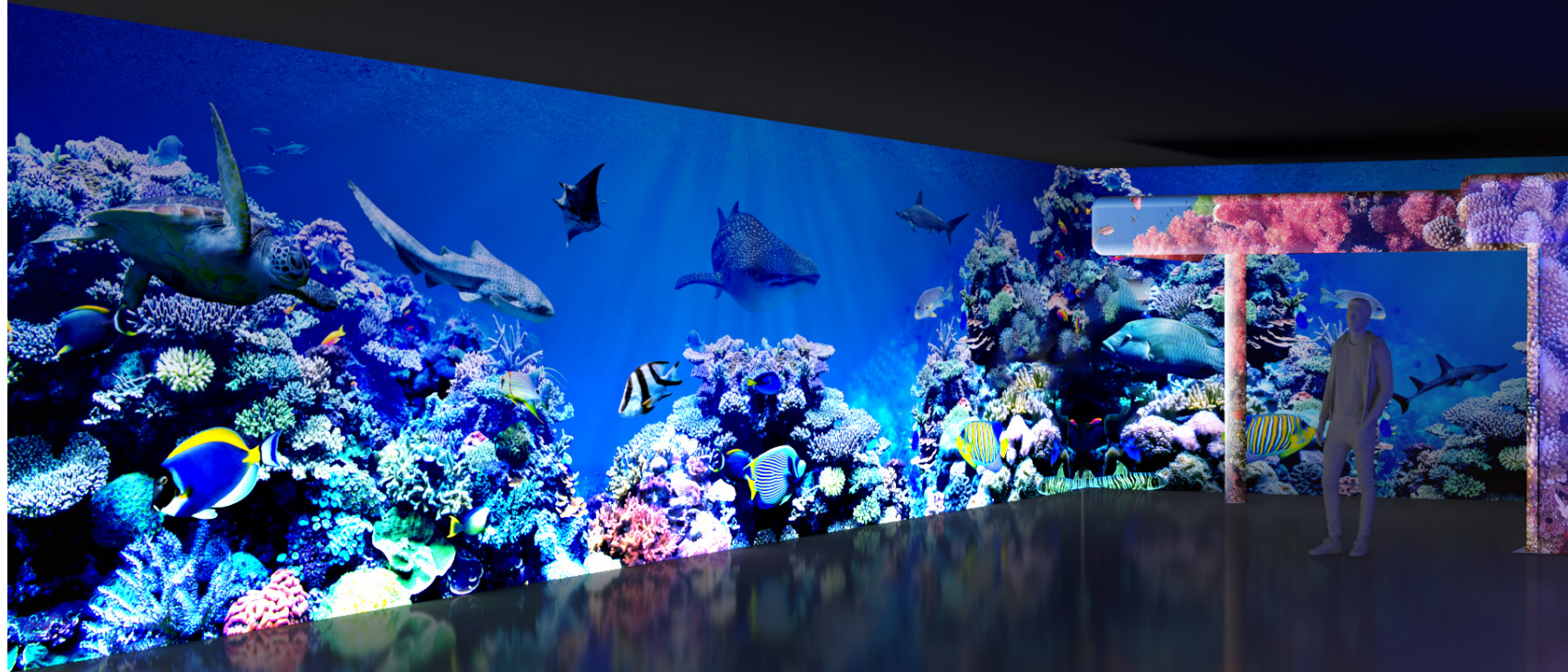
IMMERSIVE AREA

A unique, immersive, audio-visual experience showcases breathtaking content captured for *OceanXplorers*. This cinematic experience will incorporate OceanX footage, narration, environmental soundscapes, along with a musical score in a dynamic 360-degree exploration of the deep.

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IMMERSIVE AREA

This area highlights the ocean and its inhabitants as a majestic, living environment with never before seen footage - an exploration of the unknown. Site specific, projection-mapped content will create a rich, dynamic and emotional visitor experience - echoing the broader themes of the experience.

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ABOUT THE OCEANXPLORESERS SERIES

OceanXplorers will tell the stories of adventurous explorers, scientists and filmmakers with never-before-used technology as they embark on their mission, tackling challenges that arise from seeking to solve some of the ocean's greatest outstanding mysteries.

Equipped with the ship's cutting-edge scientific equipment, *OceanXplorers* will showcase the thrill of exploration and extraordinary wildlife filmmaking, pushing the boundaries of knowledge at the final frontier on Earth—its oceans. Unimaginable encounters, once-in-a-lifetime experiences and filming techniques will bring to life the magical worlds of the oceans in exquisite detail.

OceanXplorers is co-produced by OceanX and BBC Studios' Natural History Unit and executive produced by James Cameron. The series begins streaming in 2023.

"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."



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ABOUT OCEANX

OceanX is 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.

ABOUT FLYING FISH

FLYING FISH, a world-renowned producer of touring museum and science center exhibitions, works with many of the world's preeminent institutions to effectively facilitate the production and distribution of exhibitions from museum to museum across borders and overseas. FLYING FISH brings ideas, collections, and exhibitions to life through conceptualizing, designing, fabricating, and traveling these exhibitions throughout the world. Their finished products have made an impact on millions of lives world-over – bringing awe, inspiration, and education to people of all ages around the world.

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SPECIFICATIONS

Space Required:	8,000 - 10,000 sq. ft.
Target Audience:	Families with children; adults
Freight:	Up to six (6) 53 ft. trailers (estimated)
Premiere:	June 2023

BOOKINGS

Accepting reservations beginning Fall 2023

The exhibition, based on the *OceanXplorers* series produced by OceanX and BBC Studios Natural History Unit for National Geographic, is created and toured internationally by FLYING FISH.

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