

IN-DEPTH

Have It All with
an Aurora-90

Learn to Pilot a
Sub in the Maldives

A Superyacht
Captain's Perspective
on Having a Sub Aboard




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Words from Our Chairman

I am pleased to report a year of significant growth and achievement for SEAmagine. We have successfully launched a new series of larger multi-passenger submersibles, with the first five-person model already completed. This new line offers unparalleled comfort and visibility, making it ideal for families and tourism operations.

Our commitment to scientific exploration is exemplified by the delivery of a customized Aurora-80 model to National Geographic Pristine Seas. This

state-of-the-art submersible will play a crucial role in expanding marine sanctuaries and advancing oceanographic research.

We are also excited to support Patina Resort's submersible operation in the Maldives that uses a SEAmagine sub. This groundbreaking initiative offers guests exclusive land-based personal submersible excursions, a first-of-its-kind experience.

These accomplishments underscore SEAmagine's leadership in submersible technology and our dedication to meeting the evolving needs of both the leisure and scientific communities. We are confident in our ability to continue driving innovation and expanding our market presence.

Never stop exploring.

Charlie



Words from Our CEO

As we approach our 30th anniversary in January 2025, we reflect on our original mission **"to make the underwater world more accessible."** This is as relevant today as ever. Jacques Cousteau once said, "We only protect what we love" – and we need more people to love and care about our oceans.

Since our inception, SEAmagine has been a pioneer in designing and manufacturing cutting-edge submersibles, consistently delivering extraordinary experiences beneath the waves. Our unwavering dedication

to quality, safety and reliability has positioned us as a leader in the industry.

Our success is anchored in our experienced team, driven by a shared passion to meet the needs of all our stakeholders. Together, we relentlessly pursue excellence, creating bespoke submersibles that not only meet, but exceed expectations.

Gratefully,

Sam



SEAmagine's Aurora-90 model offers seating for up to five guests and maximum depths of 500m.

Have it All with an Aurora-90 Submersible



Serene comfort, spaciousness and luxury seating likely don't conjure up an image of a submersible to most. Yet, this is exactly what passengers aboard SEAmagine's Aurora-90 series subs enjoy while descending into unforgettable adventures. The Aurora-90 redefines luxury as it enters the depths in the name of scientific research, tourism and all-out fun.

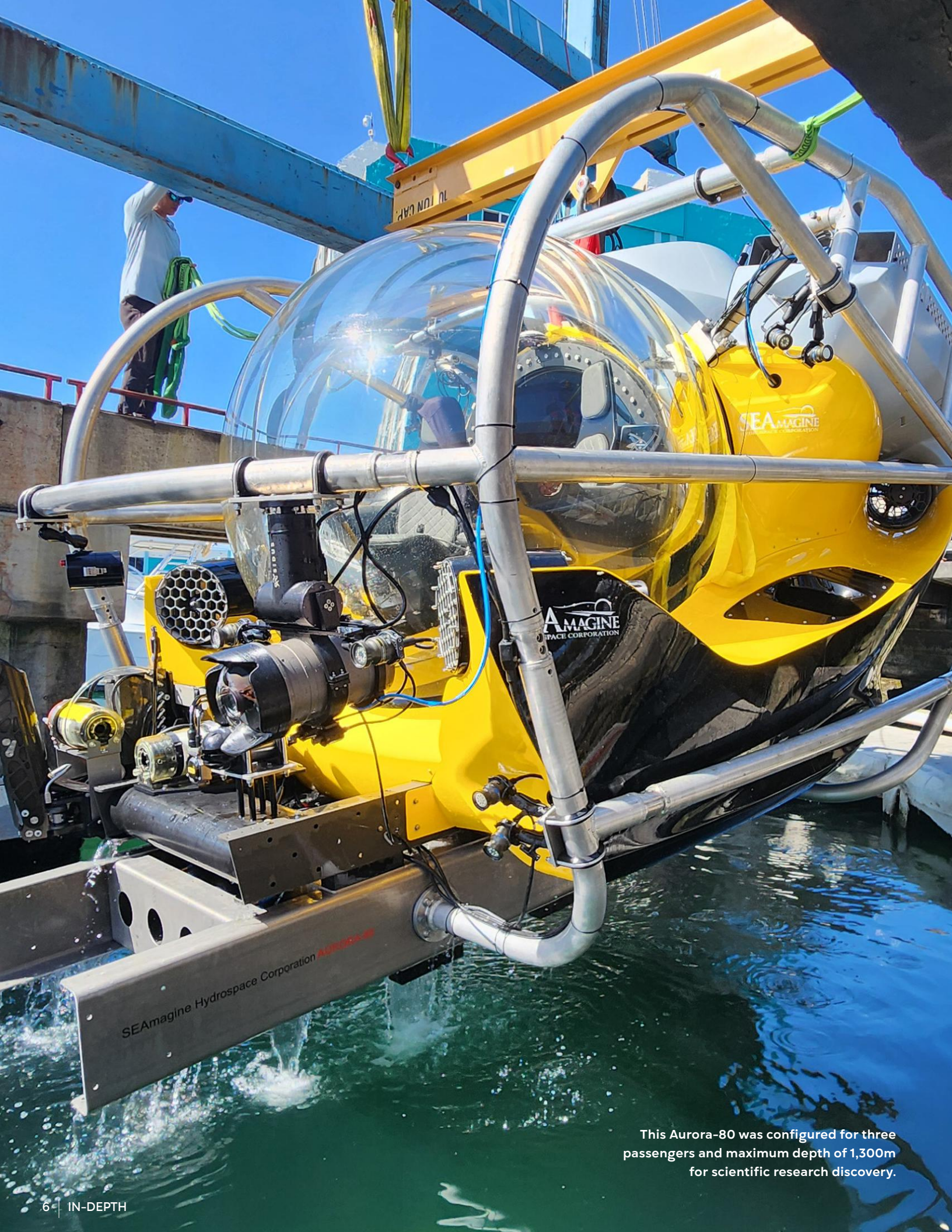
Designed to accommodate up to four individuals plus one pilot, this remarkable submersible stands out with its impressive 2.31m (91 in.) diameter acrylic window and state-of-the-art propulsion technology. This technology provides remarkably quiet operation, allowing passengers to fully take in their surroundings, or play music from the interior sound system to tailor the mood.

The Aurora entry arrangement is superior. The top deck, made of synthetic teak, offers an excellent, safe and highly accessible boarding platform supported by two

retractable handrails on each side. A staircase leads passengers to the large entry hatch, and two additional steps in the cabin extend the upper staircase inside to the cabin floor.

The new Aurora-90 models also feature customizable, modular interiors. An extra metal hull section behind the window for the pilot provides additional interior space and allows passengers to each have seats inside of the bubble for a nearly 270-degree view of underwater worlds from the Caribbean to the South Pacific, and dozens of other spectacular diving destinations.

SEAmagine recently concluded the sea trials for the Aurora-90 in California. The American Bureau of Shipping (ABS) supervised all phases of the five-seater sub's development and construction, including a final test dive to its maximum depth of 500m (1,640 ft.). The submersible is also certified by the Cayman Island Shipping Registry.



This Aurora-80 was configured for three passengers and maximum depth of 1,300m for scientific research discovery.

National Geographic Pristine Seas Uses SEAmagine Sub

For Five-Year Research Expedition

Whether dipping beneath the surface to observe humpback whales or sampling the quality of surrounding waters, the National Geographic Pristine Seas team is doing its part to save the Pacific one dive at a time. And this important work is being made possible with a new semi-customized SEAmagine submersible.

Having previously chartered the *DeepSee* submersible, National Geographic Pristine Seas, a non-profit committed to spending five years exploring and conserving the remote waters of the tropical Pacific, recently took delivery of SEAmagine's latest submersible, specially designed for their scientific missions.

Using the new 1,300m (4,265 ft.) depth-rated SEAmagine submersible, based on the company's proven Aurora-80 design, the organization will take countless dives over the coming years studying, documenting and identifying the potential for expanded protections in waters crucial to the survival of the oceans. This advanced submersible is equipped with a series of subsea imaging and navigation tools, as well as a seven-axis hydraulic manipulator, custom HD underwater camera, and even a custom eDNA sampling system. It also comes equipped with a cage that aids in the launch and recovery from the mothership, *E/V Argo*, and allows researchers to add or relocate equipment as needed. This ABS Classed three-person Aurora-80 is designed for harsh sea conditions, has a dry weight of 9,000kg (19,842 lbs.) and can perform multiple dives per day.

"There is no other submersible on the planet that offers the reliability and safety of a SEAmagine vehicle. Whether you're using one of our subs for research or pleasure,

the outcome is the same – an unmatched experience underwater," said SEAmagine's Charles Kohnen, co-founder and chairman.

In the coming months, *E/V Argo* and SEAmagine's new Aurora-80 sub will explore central and western Pacific Island nations, a region that supports earth's greatest ocean biodiversity. The National Geographic Pristine Seas project will ultimately help establish effective marine protected areas and support their sustainable use.

Follow the Journey

Pristine Seas invites the world to virtually come aboard for the entire journey.

Their crew includes National Geographic filmmakers and storytellers who have produced several highly acclaimed documentaries. The mission, which can be streamed on Disney+, includes video, audio and data that provides unprecedented access to inspiring ocean exploration and cutting-edge science.

**Also follow the voyage at
@natgeopristseseas
on TikTok, Facebook and Instagram.**



PRISTINE SEAS

Descent into Paradise

Book Your Submersible Tour in the Maldives

The Maldivian Ocean is a masterpiece of nature, boasting an ethereal palette of blues. Its waters invite exploration, revealing a vibrant underwater world teeming with colorful coral, exotic fish, and graceful sea creatures. The Maldives is truly an oasis for those who seek beauty in nature, refined travel and adventure.

Thanks to a partnership between SEAmagine; Dive Butler, the premier water sports, diving and excursion operator in the Maldives; and yacht broker Edmiston, resort visitors and superyacht guests now have the unique opportunity to dive the island's enchanting waters from the comfort and safety of a submersible, the *Ocean Pearl*, which offers greater depths, experiences and access to this ocean playground. Dive Butler

opened its Fari Islands dive center in 2021 and is working closely with the islands' resorts – including Patina Maldives, The Ritz-Carlton Maldives and Capella Maldives – to offer bespoke activities.

SEAmagine's *Ocean Pearl*, while primarily tagged for luxury tourism, is also used for marine research. Under the guidance of marine biologists and environmental experts, *Ocean Pearl's* passengers contribute to marine biology projects and have become part of a vital force dedicated to understanding and preserving this delicate marine ecosystem.


Guests can customize their experiences, whether they prefer to cruise alongside turtles or explore reefs up close. For each tour, a highly trained pilot ensures safety while

sharing local knowledge. Dive Butler can even arrange for submersible passengers and SCUBA divers to descend together, enabling shared experiences. Cameras inside and outside the sub take footage, providing lasting physical memories.

"With cutting-edge technology and exceptional safety features, the *Ocean Pearl* offers a once-in-a-lifetime opportunity to explore the mesmerizing depths in the utmost comfort and security. The panoramic windows provide an unobstructed view, ensuring that every guest can marvel at the awe-inspiring underwater landscapes," a press release announcing the submersible stated.

"There are few other opportunities to see the underwater world from the perspective of a sub," said





**“There are
few other
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to see the
underwater
world from the
perspective
of a sub”**

Alexis Vincent, founder of Dive Butler. “Guests will never forget the experience – which lately has included observation of a great number of sharks, rays, Gorgonian fans and more – all while making a positive impact on the environment.”

Superyachts Welcome

The Maldives are rising as a top destination for superyachts. This is due in part to the islands’ ability to offer unique and experiential journeys, as well as their openness to superyachts.

“Where else can you enjoy a vacation with the same sense of freedom, privacy and tranquility, combined with submersible dives?” asked SEAmagine’s Charles Kohnen. “A visit to the Fari Islands can also be

educational for superyacht owners who are considering the purchase of a submarine, as it allows them to test it out first.”

“[Dive Butler’s outstanding house reef provides] us with some of our most memorable underwater adventures ... We can’t imagine diving with anyone else,” shared Edmiston’s President Robert Shepard. “This year, we are overjoyed to return to Patina, especially with the thrilling addition of their SEAmagine sub. Every visit renews our love for the Maldives, making it more than just a destination – it’s our sanctuary.”

“We extend an invitation to all to embark on this extraordinary and immersive journey into the depths of wonder. The *Ocean Pearl* promises

to deliver unforgettable memories and a profound sense of connection to our planet’s most treasured aquatic ecosystems,” added Vincent.

Learn to Pilot a Sub

If you’re looking to become a sub pilot, consider obtaining your submersible captain’s license on site. As one of the few recreational training facilities in the world, this program immerses students in the knowledge required to operate submersibles. Courses require a combination of classroom-based learning and educational dives aboard the *Ocean Pearl*.

“This phenomenal program is based on technical professionalism and vigorous guidelines and was originally developed in conjunction with the U.S. Coast Guard,” said Kohnen. “Both beginner and advanced levels of pilot training sessions are available to guests interested in getting more than a guided tour. SEAmagine’s training is the gold standard for certifying some of the best personal submersible pilots in the world.”

Three recent graduates include Giovanna Fasanelli and Fabien Casanova, both marine biologists, and Ahmed Arees, Dive Butler’s tour guide. Fasanelli represents a growing number of female sub pilots across the industry and is an avid ocean conservationist. Arees is notably the first Maldivian to receive sub pilot credentials.

Arees, who credits the diving portion of the training as the highlight, said of his work with submersibles: “As a sub pilot, you are able to dive deeper and do more than as a SCUBA diver. Being able to see the unseen parts of the ocean is something I really enjoy, as well as discovering marine life.”

“As more people start engaging with submersibles, we need to have a standardized, rigorous training procedure. If you’re the submersible pilot, you should feel confident, and the industry should trust that guests are in good hands. I like that SEAmagine’s training is so thorough. I think it’s a testament to how long SEAmagine has been doing this and how well thought-out the training program is. It just makes you want

to be a pilot and share the whole thing with guests,” said Fasanelli. “Submersibles offer the chance to truly share the experience. It’s that interface of exploring the unknown and being at the forefront of technology and sharing that with someone else. So, it’s a perfect tool for exploring the underwater world and engendering a sense of awe and passion. If your dream is to pilot a submersible, come and learn how.”

More about this world-class captain training on page 20.

Meet the Team

To book the the *Ocean Pearl*, visit **deepseafari.com** or stop by SEAmagine’s booth at the **Fort Lauderdale International Boat Show.**

“This is a passion project for all involved – including SEAmagine, the resorts, Edmiston and Dive Butler’s partners, comprised of brothers Tom and Michael Emery, Keith Crossland, and myself,” said Vincent.

“Together, we make magic for guests.”



“If your dream is to pilot a submersible, come and learn how.”



Depth Perception

Shockingly, 95 percent of our oceans are still uncharted territory, teeming with undiscovered life and secrets waiting to be revealed. Much of the reason for this is the extreme size of oceans, covering 70 percent of the Earth's surface, or 360 million square kilometres (139 million square miles). There is so much to explore. As soon as a sub drops below SCUBA depths, there is a high probability that no one has ever been there before.

0 to 200m

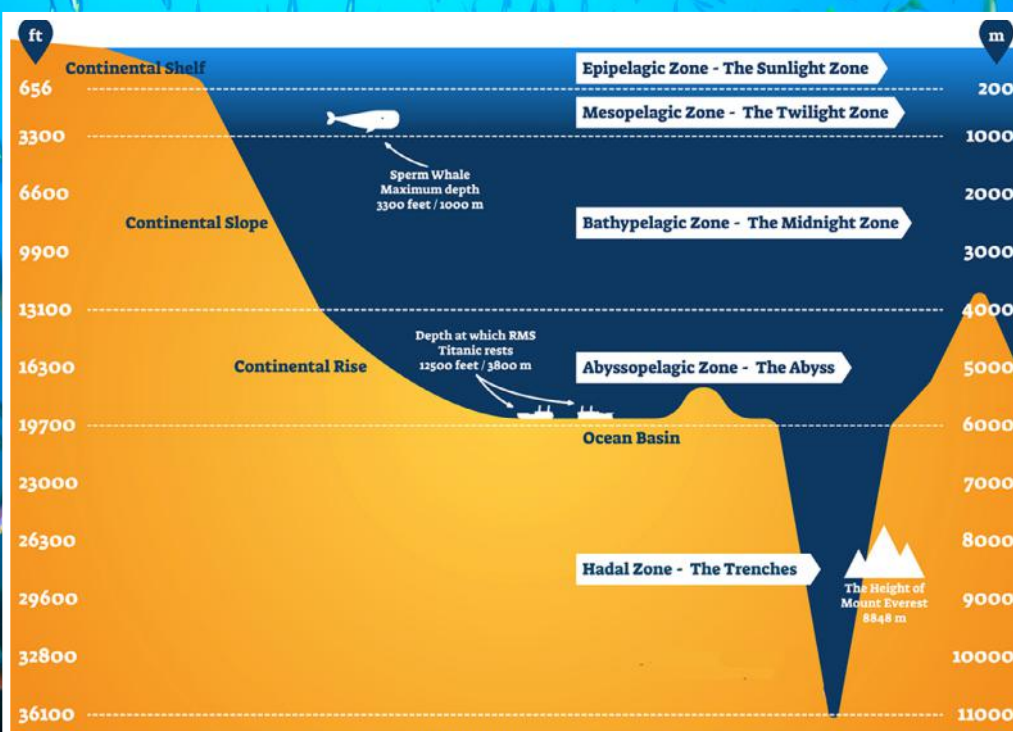
The top layer, called the epipelagic or the sunlight zone is where most of the ocean's action happens. It's a vibrant world full of life, from tiny plankton to massive whales. These waters offer breathtaking views of coral reefs, schools of fish and marine mammals. The challenge lies in understanding the delicate balance of this ecosystem and the impact of human activities on it.

200 to 1,000m

The mesopelagic or twilight zone is a space of mystery and adaptation. Sunlight fades, but it's enough for some creatures to see. Bioluminescence creates an ethereal underwater lightshow, and strange, often bioluminescent, creatures call this place home. Exploring this zone is like stepping into a science fiction movie, filled with bizarre and fascinating organisms.

1,000 to 4,000m

The bathypelagic or midnight zone is a world of eternal darkness. Pressure is immense, and temperatures are frigid. Yet, life persists. Giant squid, anglerfish, and other deep-sea behemoths inhabit this extreme environment. The challenge lies in developing technology capable of withstanding the crushing pressure and illuminating the pitch-black depths to uncover the secrets of this alien world.



**Less than 12
subs in the world
can dive deeper
than 1,000m.
SEAmagine offers
subs capable of
reaching 2,200m.**





Diving into the Legacy of *DeepSee*

The *DeepSee* submersible, a vibrant yellow SEAmagine vehicle capable of descending hundreds of metres beneath the ocean's surface, has become synonymous with exploration and discovery. Its nearly 20 years of operations have offered an unparalleled perspective on marine life and contributed significantly to marine scientists about the health of our oceans.

The three-person submersible, first delivered in 2005 to Undersea Hunter Group (UHG), a provider of adventure excursions in Costa Rica, is depth rated to 457m (1,500 ft). During its tenure, the sub accumulated more than 3,300 dives around the scenic Isla del Coco. Those dives helped passengers observe new marine species and underwater structures, and take in spectacular sights – some never seen before. Many of the significant experiences aboard *DeepSee* happened beyond the limits of recreational divers, including sightings of Cocos batfish,

mobula rays, hammerhead sharks, scythe butterflyfish, moray eel and others. *DeepSee* also helped to discover a new family of soft corals and identified a previously unknown seamount at 90m (295 ft.), which UHG named “Everest” in honor of its resident white octopus coral.

“I have been asked what [is] the coolest thing I have seen during submersible diving,” said Shmulik Blum of UHG. “Maybe a whale, a shark, a ray? But that alone will not tell the full story. Over the years I have felt that people’s reactions made the dives special, exciting and surprising. Sharing a small air space in the sub, every vibe, every twitch can be felt. I know for fact that the sub has affected many decision-makers to step up and protect their part of the ocean thanks to those connections made.”



Watch Discovery

Over nearly two decades of operation, *DeepSee* has helped to discover countless underwater wonders.



Notable passengers who have ridden aboard *DeepSee* include Leonardo DiCaprio, Ted Wait, Paul Allan, Tom Perkins and the presidents of Costa Rica, Ecuador, and Colombia, among many other accomplished individuals.

In a 2018 issue of *Revista de Biología Tropical*, Blum and others published a scientific article cataloguing the bony fishes they observed during 376 sub dives in 50 to 450m depths at Isla del Coco National Park and Las Gemelas Seamount. As a result, the ranges of 26 species were expanded. Three species were observed in shallower water, 22 were observed in deeper water and one was observed both shallower and deeper than in previous reports. The paper stated: “Increased bottom time with the submersible resulted in additions to the list of documented species.”

“A voyage aboard *DeepSee* is fantastic for scientists and civilians alike because it features a patented acrylic sphere, which becomes virtually invisible underwater,”

explained SEAmagine’s Charles Kohnen. “The panoramic views combined with the ability to navigate the sub very near to underwater structures and creatures without disturbance provide experiences that are impossible to forget.”

DeepSee soon expanded its horizons by taking on broader missions. In 2022, the sub hosted special expeditions to the Galapagos, as led by Dr. Sylvia Earle and her conservation Mission Blue – one of the many trips for which she used *DeepSee* for research.

In 2023, *DeepSee* committed to a charter with National Geographic Pristine Seas, which will spend five years exploring and conserving the remote Pacific. Since then, *DeepSee* has helped to study, document and identify the potential for expanded protections in waters crucial to the survival of the Blue Pacific Continent. The sub has explored some 40 locations over hundreds of dives. As a result, National Geographic Pristine Seas



has produced more than 250 peer-reviewed studies and revealed the power of highly protected areas to rapidly restore depleted fish, coral reefs and kelp forests, which support the health of local fisheries and tourist economies. The evidence has inspired the creation of 26 marine protected areas encompassing more than 6.5 million square kilometres.

“Every day our team [is showing] the world the awesome beauty of this aquatic universe while providing scientific evidence demonstrating the value,” said Enric Sala, National Geographic explorer in residence and the founder of Pristine Seas.

While this important conservation work will continue for at least the next several years – due in part to SEAmagine’s on-going submersible support (more details on this to come!) – *DeepSee* is now available for its next venture. While the future of *DeepSee* is currently

unknown, what is clear is the tremendous impact it has had on our understanding of the oceans.

“SEAmagine thanks *DeepSee* for two decades of flawless and reliable service that have contributed so much,” said Kohnen. “We look forward to what the next chapter will bring in terms of knowledge, discovery and enjoyment.”

“Sharing a small air space in the sub, every vibe, every twitch can be felt. I know for fact that the sub has affected many decision-makers to step up and protect their part of the ocean.”

Making Memories

In the Ocean Together

Imagine a world where the ocean's depths are as accessible as your backyard. No need for a SCUBA certification, wetsuits or even getting your feet wet. This is the promise of a SEAmagine submersible.

Step off the ship's deck and take hold of the sub's handrails. Walk across its synthetic teak top deck and down the steps into the spacious cabin, where you will be immediately enveloped by the deep blue ocean. As other passengers join, anticipation builds.

The hatch is closed and the sub drives off at surface out to the chosen spectacular dive site of the day. Enjoy the ride as waves and bubbles wash around you. You may even spot a sea turtle coming up for air as you pass. Upon arrival, the sub gently submerges, beginning its descent as the world above fades away and your underwater adventure begins.

Immerse yourself in the moment, whether in serene silence, with music or by sharing in your guests' excitement. Capture it all on your phone, but leave work calls and emails behind. Unlike SCUBA diving, this experience offers an expansive panoramic view with no time limits, allowing you to share the adventure with those around you. Point out the underwater marvels above and below, and let children lead the way to

seals, seamounts, coral, bait balls, shipwrecks and other hidden surprises.

The acrylic pane separating you from these captivating sights is completely transparent underwater, giving you the sense that you can reach out and touch the environment around you. Curious marine creatures find the sub fascinating and will approach it to peer inside, mere inches away. Imagine being face to face with a shark or goliath grouper. Don't blink!

Each dive is unique. Enjoy the journey for minutes or hours, exploring the shallower light zone or venturing deeper into the abyss. Share the experience with everyone, young and old. No skills are required for guests to explore the ocean's limitless playground.

As the sub ascends, break the surface and readjust to the bright sunshine. Back on deck, enjoy a family meal without the hassle of showers or changing. Everyone celebrates the day by discussing the dive's discoveries and reminiscing about past trips, and begins to plan the next great adventure beneath the waves.

In this way, a sub opens up endless possibilities and creates generational memories, which are the truest ocean treasures.



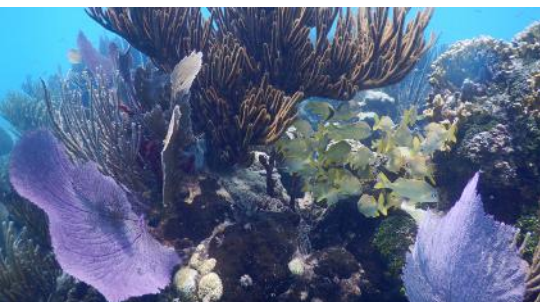
Ultimate Diving Destinations for 2025

And we mean ultimate. Each offering a surreal experience, the following locations offer some of the most exotic sights our oceans have to offer. Truly bucket list worthy, read on to learn about what you could experience via a submersible when you dive these wonders.



Maldives

The exceptional visibility, ample marine life and kaleidoscope of underwater colors make the Maldives a top diving destination year-round. Coral reefs provide picturesque backdrops to the myriad fish that call them home, in addition to gliding manta rays and giant turtles flowing in the currents. Go during the second half of the year to spot plentiful whale sharks. **The Maldives are also popular for superyachts, as well as luxury resorts that can facilitate underwater tours aboard a SEAmagine sub, via Dive Butler (see page 8).**



Belize

An epic diving destination, Belize offers enough topographical diversity and marine life to make any diving experience exceptional. A top attraction is the Great Blue Hole, the largest naturally formed sinkhole measuring over 300m (984 ft.) wide and 125m (410 ft.) deep. A UNESCO World Heritage Site, it is part of Belize's larger Barrier Reef Reserve System, featuring coral, spotted eagle rays, turtles, groupers, dolphins, sharks and more.



French Polynesia

Crystal-clear waters reveal nearly every detail of 118 gorgeous islands and atolls in the South Pacific. From Tahiti to Bora Bora, Moorea and the Tuamotu Archipelago, breathtaking encounters await with tropical fish, coral gardens, pelagic species, reptiles, and perhaps the star of the show, sharks. Nurse sharks, hammerheads and others give French Polynesia its nickname, "the shark capital of the world."



Cocos Island, Costa Rica

With its remote location and strong currents, a sub may be the best way to view this underwater utopia. Another UNESCO World Heritage site, this wonder harbors an array of marine life, including humpback whales, bottlenose dolphins, yellowfin tuna, manta rays, sea lions, crustaceans and hammerhead sharks. Officially a marine protected area, Cocos Island National Park leads conservation efforts and encourages dives for research.

One Superyacht Captain's Perspective

On Having a Sub Aboard



As a yacht captain, I was hesitant when my vessel's owner first suggested purchasing a submersible. I had heard from other captains about the challenges that come with operating such equipment on a private vessel. To fulfill the owner's wishes, we proceeded with the purchase, prioritizing safety, experience, and reliability.

To my surprise, bringing a submersible on board turned out to be a very positive experience. I had never seen the owner so excited as when he emerged from his first dive, eager to share this new adventure. Unlike many who prefer the crew to scout dive sites in advance, he insisted on being the first to explore.

The key to successful sub operations lies in choosing the right long-term submersible manufacturing partner. A sub requires a partner committed to the entire process, from purchasing and on-boarding to locating the best dive sites, and providing insurance and maintenance advice. SEAmagine is an exceptional partner, demonstrating a clear commitment to their subs.

While the owner's experience is paramount, it's important to consider all stakeholder experiences. This means ensuring an unobstructed view and a smooth entry and exit process. Our sub performs reliably and comfortably in various sea states. I've been in other subs that were noisy, but with SEAmagine, the environment is always quiet and tranquil.

Training was crucial to our success. SEAmagine provided on-site training for pilots and topside crew, ensuring all were knowledgeable. The pilots appreciate the sub's powerful thrusters and drone-like maneuverability, which make it easy to position for the best views. They also noted that the sub's design fosters a calm environment with remarkable visibility and simple controls.

SEAmagine's subs are low-maintenance, with accessible components and support always just a call away. Their transparency regarding costs also made budgeting straightforward.

Over the years, we've upgraded to three different SEAmagine submersibles, each time increasing in size and capability as we moved to larger yachts. Incorporating a SEAmagine sub into our operations has been one of the best decisions we've made. It offers unparalleled experiences and adds a new dimension to our voyages.

“Bringing a submersible on board turned out to be a very positive experience. I had never seen the owner so excited.”

New Discoveries Made

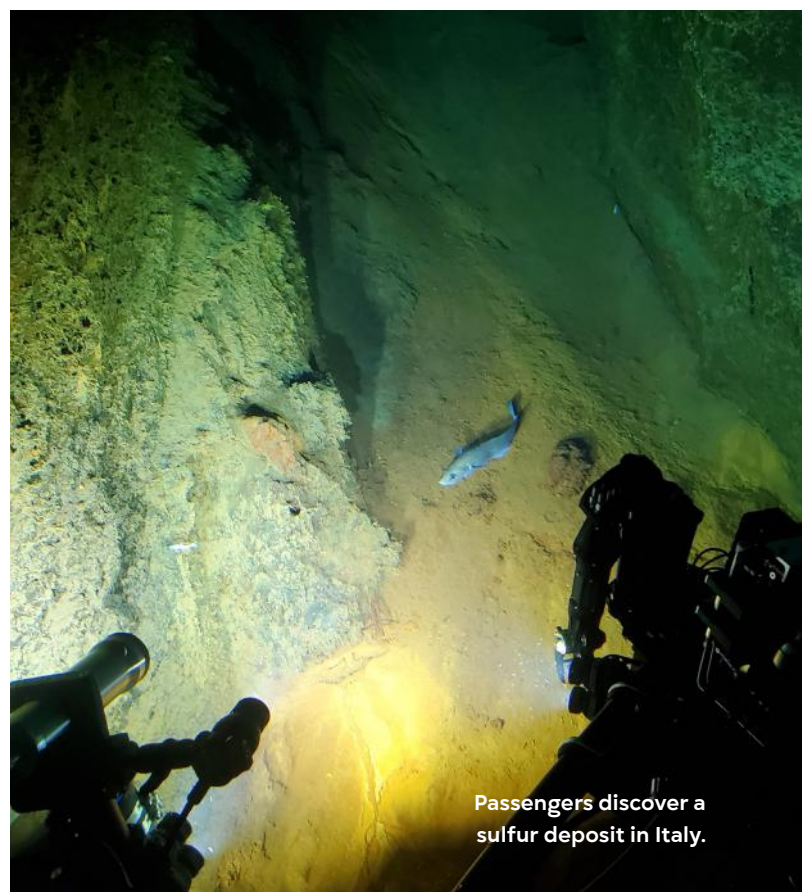
One Dive at a Time

While marine researchers typically explore the ocean and identify new organisms or underwater structures, they increasingly benefit from findings reported by non-researchers, or “citizen scientists,” aboard submersibles. Subs generally enable deep dives over long periods. These advantages, coupled with the fact that only a relatively minuscule area of our oceans has been explored, mean sub passengers have a greater chance of witnessing never-before-seen creatures, artifacts or subsea structures. These sightings have both inspired passengers to take an active role in protecting the magnificent yet delicate findings revealed during their dives, as well as provided scientists with information critical to preserving certain areas, documenting new organisms and more.

Bahamas Shipwrecks Found



While beginning a dive with ABS and Flag States surveyors, one of our Aurora-series subs was surprised with not one but two shipwreck sightings. They were found near Nassau at a depth range of 20 to 30m. With the area’s history of piracy, smuggling and war along historically major shipping routes with shallow waters, there is a relatively high concentration of shipwrecks around the Bahamian islands.



Passengers discover a sulfur deposit in Italy.

Dumbo Octopus at New Depths



In recent dives off of California, the SEAmagine team spotted about 12 dumbo octopuses in just two dives. Dumbo octopuses are reported as one of the rarest species (and arguably the cutest), but perhaps their elusiveness will change as sub dives become more commonplace. Dumbo octopuses are typically found in deep-water habitats – anywhere from 2,987 to 3,962m (9,800 to 13,000 ft.) – but our passengers spotted them at depths of only around 300m (984 ft.).



Unexpected Sulfur Deposits



SEAmagine passengers recently discovered a previously unknown sulfur deposit along a natural wall in the deep waters of the Aeolian Islands in Italy. Like magic, some of the sulfur fell from the wall as if in slow motion. Sulfur is an essential element with biological importance, industrial applications, geological and environmental impacts.

Scan QR Codes to Watch Discoveries



Giovanna Fasanelli, marine biologist and submersible pilot, captains SEAmagine's DEEP-C submersible in the Maldives. Giovanna is one of many women on a growing list of female pilots since 1999 that SEAmagine is proud to certify.

A Training Program that Goes Deeper

SEAmagine is the first to have created a professional submersible pilot training program in 1999 in conjunction with the U.S. Coast Guard (USCG). The program expanded over the years into today's extremely well-structured and proven training process, with more than 100 pilots now licensed. The company's pioneering effort is now industry standard and represents the top training program available for submersible pilots.

The objective of SEAmagine's training program is not only to have trained pilots, but also to ensure that the full crew of the ship is familiar with the overall operation and the contingencies. The training is typically performed on the client's ship with the delivered submersible to ensure that the setup and all operational aspects specific for the given ship are covered and well-rehearsed.

"The extensive usage of SEAmagine subs in the leisure, commercial and coast guard sectors equips us with invaluable experience and firsthand know-how that can only be gained at sea," said SEAmagine's Charles Kohnen. "Our goal is to pass this knowledge on to our customers through a robust, hands-on training program that starts in the classroom and ends in the water."

Training Program Overview

The first week of training is spent in the classroom. This intensive course work provides future pilots with intimate knowledge about SEAmagine subs' systems, operations and emergency contingencies. After the written exams, pilots hit the water with a SEAmagine instructor. There, they will complete 20 one-hour dives, with three dipping to the maximum depth rating of the vehicle. These hands-on sessions typically take around two weeks to complete.

Support Beyond the First Dives

Once the full three-week training program is complete, SEAmagine awards passing pilots with a license good for three years. For this to remain current, pilots may not go longer than 12 months without operating a sub. At the end of this three-year period, pilots must re-certify.

"We pioneered this licensing training program nearly 25 years ago based on technical professionalism, vigorous guidelines and overwatch from the USCG," said Kohnen. "Over the years, it's become the gold standard for certifying some of the best personal submersible pilots in the world."



Our Commitment to Submersible Safety & Quality



For SEAmagine, quality and safety are always top priorities. Some clients have performed over 3,000 dives with their sub over many years without ever once incurring any lost time due to technical problems. This is a testament to the superior designs, solid engineering, disciplined maintenance, and the expertise SEAmagine has earned over nearly three decades.

“Our care and dedication extends to all aspects involved in the fabrication of our submersibles. Starting with effective designs, we use superior materials ideal for the harsh marine environment, and we apply detailed workmanship on the fabrication of each submersible,” said SEAmagine’s Ian Sheard, founding member and chief engineer.

Successful Differentiators

Simplicity & Redundancy

All SEAmagine submersibles are purpose-built for simplicity and with redundancies in place, meaning

there are backup systems in place. Each sub features independently operated manual systems.

Highest Quality Materials

From the grade of stainless steel to the acrylic viewing windows, thrusters, batteries and cables, all parts and equipment on board are carefully selected and many are third-party tested for safety and reliability.

Third-Party Certifications

When it comes to certifications for quality and safety, SEAmagine leads the industry. The American Bureau of Shipping (ABS) performs an overall design review of each sub and approves all materials used. It also provides approval for the submersible testing plans and analysis, and inspects the final product, approves the pressure tests (including those that subject vessels to 1.25 times its maximum-allowed working pressure and depth), and oversees sea trials. SEAmagine’s thrusters are also certified for reliability by the U.S. Navy.

This year, SEAmagine hosted a group of ABS surveyors and engineers from around the world at its headquarters in California. The company dove deep into submersible safety, leveraging expertise gained from our perfect record of over 13,500+ dives. Covering both fabrication rules and codes as well as key aspects involved in annual surveys, the ABS team gained valuable insights that will help to ensure it maintains the highest safety standards in the submersible sector.

ABS’ Mitch Trabb, marine surveyor, said following the events, “Special thanks to the team at SEAmagine for their hospitality and welcoming us to their impressive facility. Especially after recent tragedies, it is more important than ever to be familiar with submersible ABS rule sets and to maintain great relationships with builders.”

ABS then honored SEAmagine with a special recognition award for its contribution to submersible vessel safety.

“This award is humbling and appreciated but couldn’t have been achieved without our full team prioritizing the safety and wellbeing of all who enter our submersibles. Our goal is to provide perfect dives, every dive, for all passengers,” said Sheard.

Specs & Details

Which Model Is Right For You?

All sizes and weights can be semi-customized. Models shown are guides.



AURORA-100

L5.10m x H2.52m x W3.43m

Occupancy	Depth Rating (m)	Weight (kg)
9	130-260	9,950
7	500	9,950
5	1,000-1,460	10,500-11,500

L5.50m x H2.52m x W3.43m

Occupancy	Depth Rating (m)	Weight (kg)
3	2,200	11,000



AURORA-90

L5.10m x H2.46m x W3.43m

Occupancy	Depth Rating (m)	Weight (kg)
5	500	9,200
Convertible Interior 3-5	500	9,200



AURORA-80

L4.80m x H2.42m x W2.77m

Occupancy	Depth Rating (m)	Weight (kg)
3	500-1,300	8,000-9,300
5	100	7,000



AURORA-3C

L4.20m x H2.00m x W2.35m

Occupancy	Depth Rating (m)	Weight (kg)
3	460	4,000



OCEAN PEARL

L4.78m x H2.26m x W2.57m

Occupancy	Depth Rating (m)	Weight (kg)
2	100	3,450
2	380	3,800



EXTRA LARGE ENTRY HATCH

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