

THE ART AND SCIENCE OF WATER

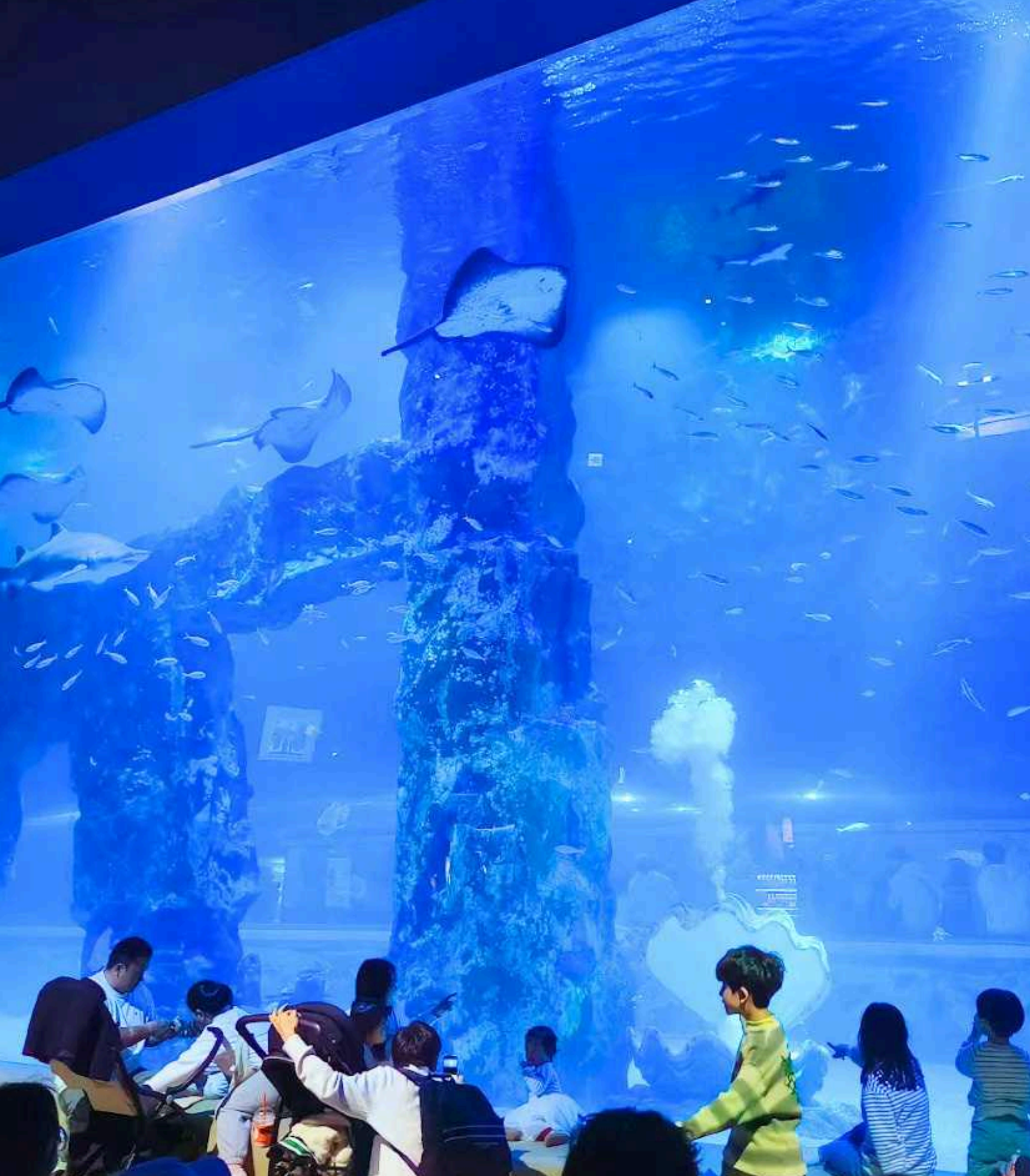
DESIGNERS AND ENGINEERS. SPECIALISTS WITH WATER.



OCEANIS
INTERNATIONAL
THE ART AND SCIENCE OF WATER

INTEGRATED CONSULTING SERVICES FOR MARINE AND AQUATIC DEVELOPMENTS

AQUATIC CENTRES · RESORTS · MARINE RESEARCH · AQUACULTURE · GEOTHERMAL · WELLNESS · ZOOS ·
AQUARIUMS · MARINE PARKS



ABOUT OCEANIS INTERNATIONAL

Water is magical. It possesses a natural ability to draw people to it.

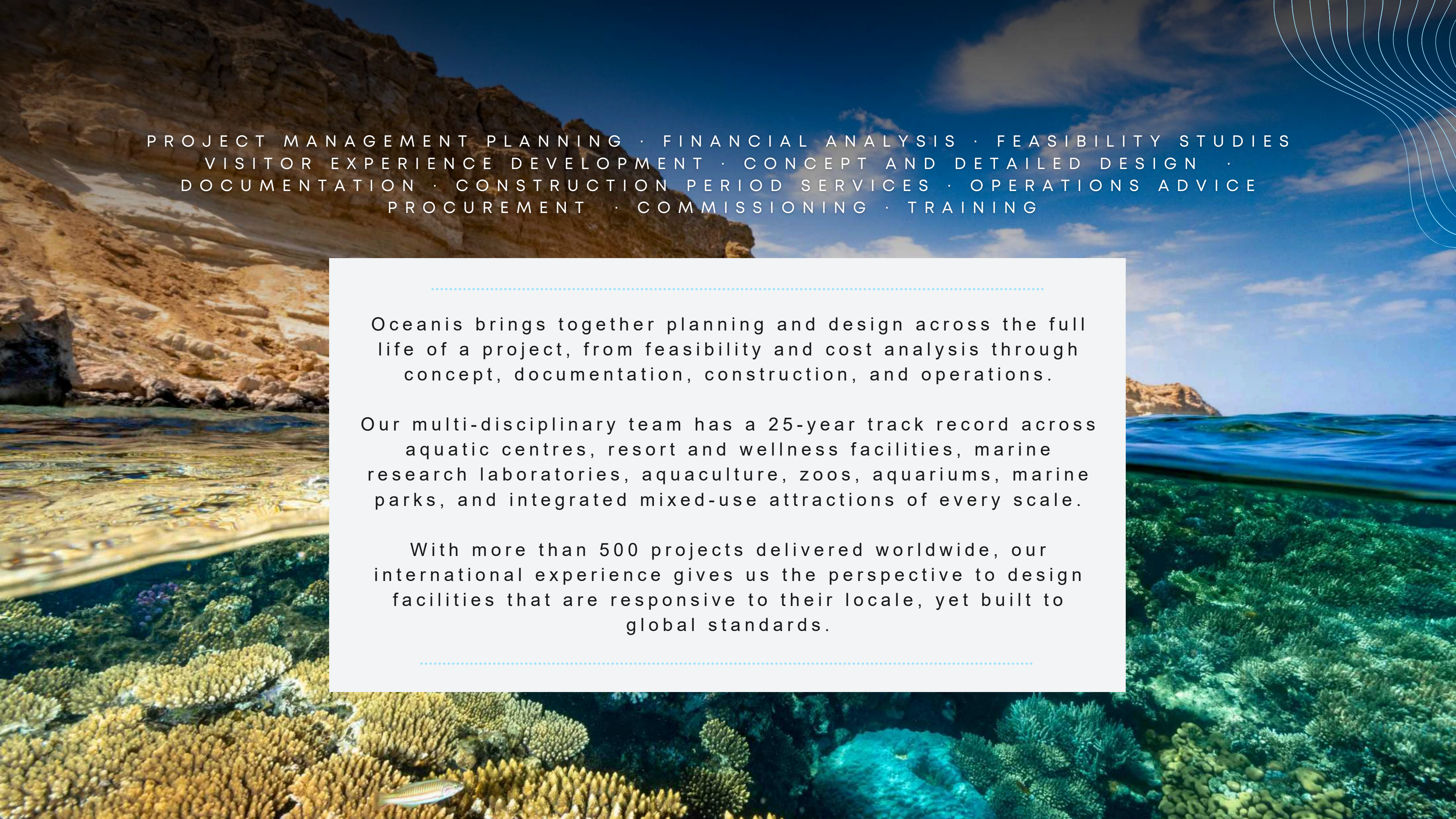
For over 25 years Oceanis has been '**creating with water**' for communities, entertainment, and science. We bring together the arts and disciplines of architecture, engineering, and business to plan and design facilities around the world for people: to work and play.

Aquariums, entertainment precincts and zoos, resort pools and aquatic centres, marine parks, aquaculture and marine research facilities — we help our clients create experiences and develop aquatic and marine facilities that are inspiring and sustainable to operate.

It takes a deep set of multi-disciplinary skills, across a broad set of design and operational aspects for successful marine and aquatic projects.

Oceanis blends creative and technical know-how, working closely with our clients to help create exceptional facilities.

It's the art and science of water.



PROJECT MANAGEMENT PLANNING · FINANCIAL ANALYSIS · FEASIBILITY STUDIES
VISITOR EXPERIENCE DEVELOPMENT · CONCEPT AND DETAILED DESIGN ·
DOCUMENTATION · CONSTRUCTION PERIOD SERVICES · OPERATIONS ADVICE
PROCUREMENT · COMMISSIONING · TRAINING

Oceanis brings together planning and design across the full life of a project, from feasibility and cost analysis through concept, documentation, construction, and operations.

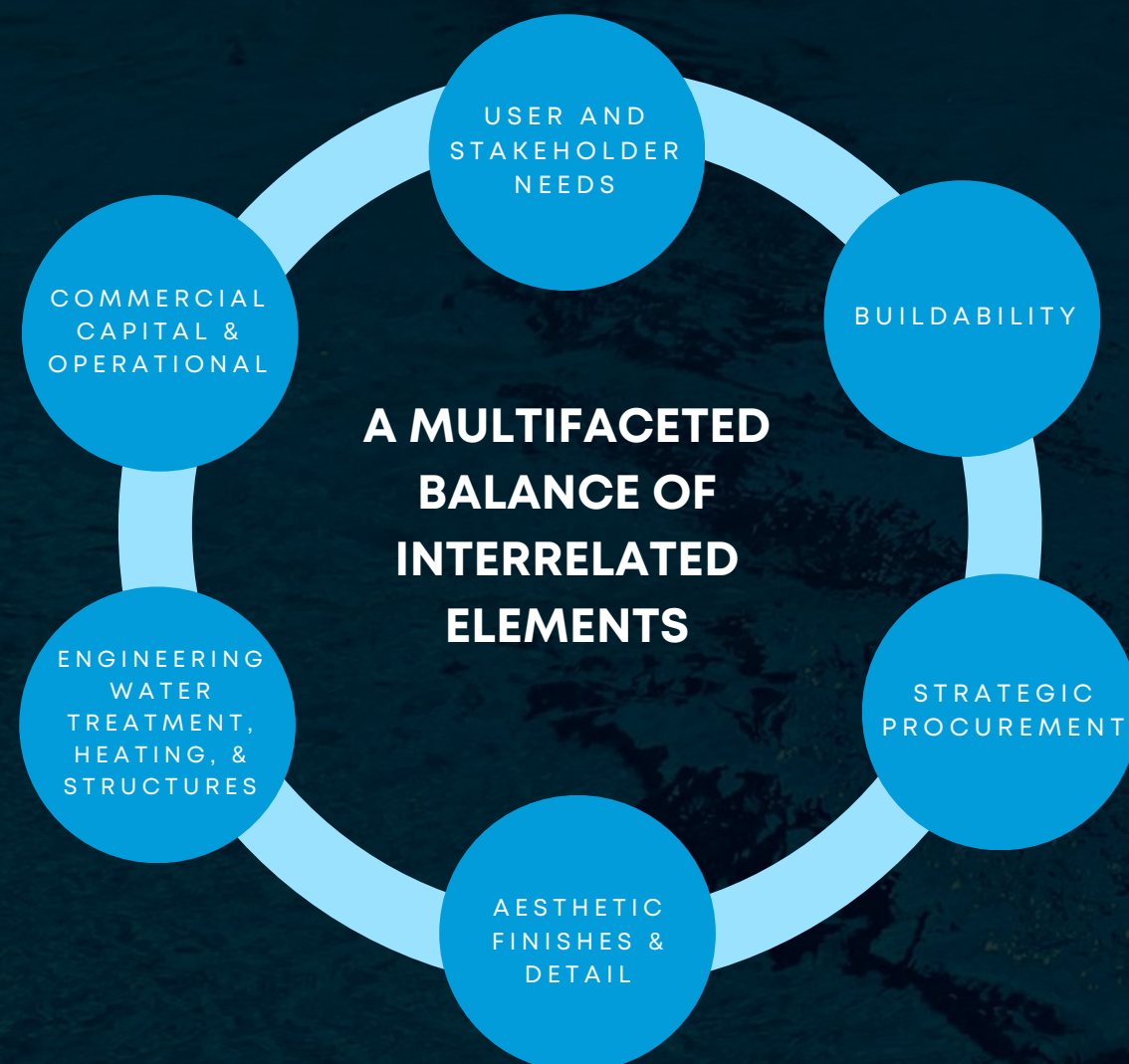
Our multi-disciplinary team has a 25-year track record across aquatic centres, resort and wellness facilities, marine research laboratories, aquaculture, zoos, aquariums, marine parks, and integrated mixed-use attractions of every scale.

With more than 500 projects delivered worldwide, our international experience gives us the perspective to design facilities that are responsive to their locale, yet built to global standards.

OUR COLLABORATIVE APPROACH

Aquatic and marine facility design is a balance of interrelated elements: capital and operating costs, aesthetic finishes, existing infrastructure, user and stakeholder requirements, and long-term maintenance. The strength of an Oceanis project is the successful integration of these elements across multiple technical disciplines.

We work as advocates for our clients. Our team includes dedicated aquatics and marine specialists who have worked on projects around the world, each designed to match the client's design aesthetic, financial requirements, and operational reality.



Aquatic and marine projects require specialist expertise across commercial, financial, design, operations, and technical disciplines.

Oceanis provides consulting services that combine business analysis with specialist architecture, management, and engineering. This is how we cover the full range of services aquatic and marine developments need.

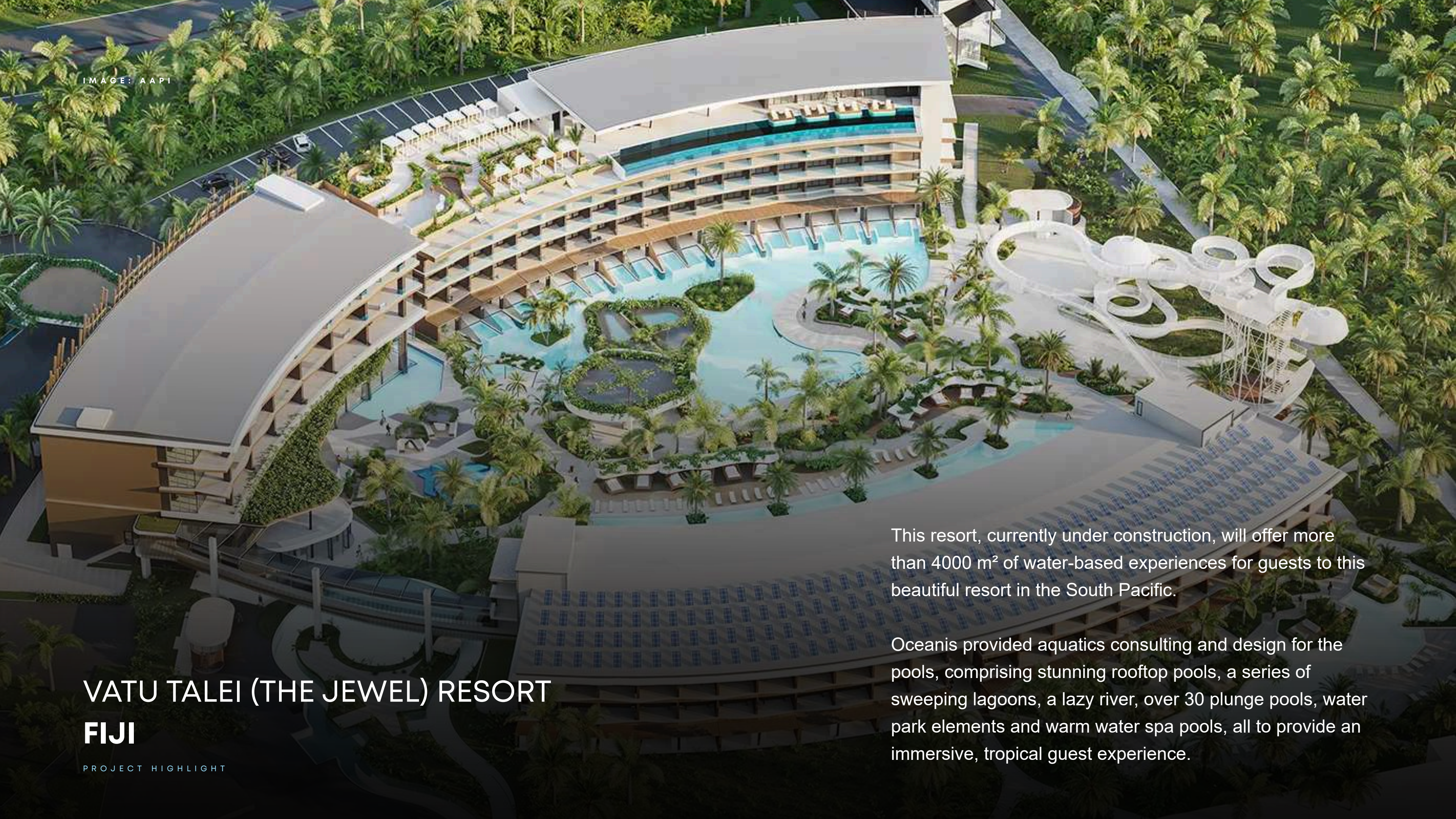


IMAGE: AAPI

VATU TALEI (THE JEWEL) RESORT

FIJI

PROJECT HIGHLIGHT

This resort, currently under construction, will offer more than 4000 m² of water-based experiences for guests to this beautiful resort in the South Pacific.

Oceanis provided aquatics consulting and design for the pools, comprising stunning rooftop pools, a series of sweeping lagoons, a lazy river, over 30 plunge pools, water park elements and warm water spa pools, all to provide an immersive, tropical guest experience.



VATU TALEI (THE JEWEL) RESORT FIJI



THE VATU TALEI RESORT IS CURRENTLY UNDER CONSTRUCTION.

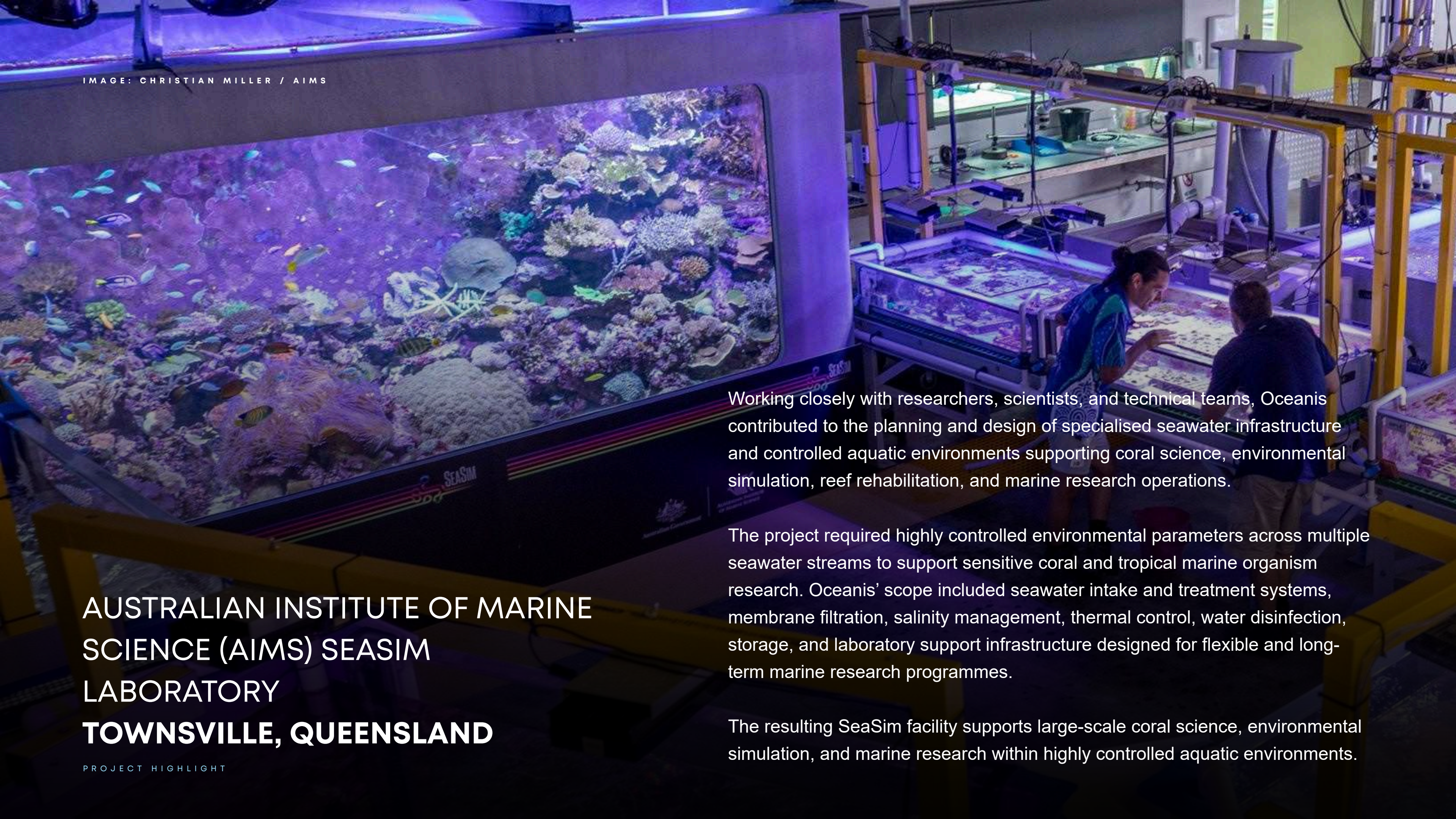


IMAGE: CHRISTIAN MILLER / AIMS

AUSTRALIAN INSTITUTE OF MARINE SCIENCE (AIMS) SEASIM LABORATORY TOWNSVILLE, QUEENSLAND

PROJECT HIGHLIGHT

Working closely with researchers, scientists, and technical teams, Oceanis contributed to the planning and design of specialised seawater infrastructure and controlled aquatic environments supporting coral science, environmental simulation, reef rehabilitation, and marine research operations.

The project required highly controlled environmental parameters across multiple seawater streams to support sensitive coral and tropical marine organism research. Oceanis' scope included seawater intake and treatment systems, membrane filtration, salinity management, thermal control, water disinfection, storage, and laboratory support infrastructure designed for flexible and long-term marine research programmes.

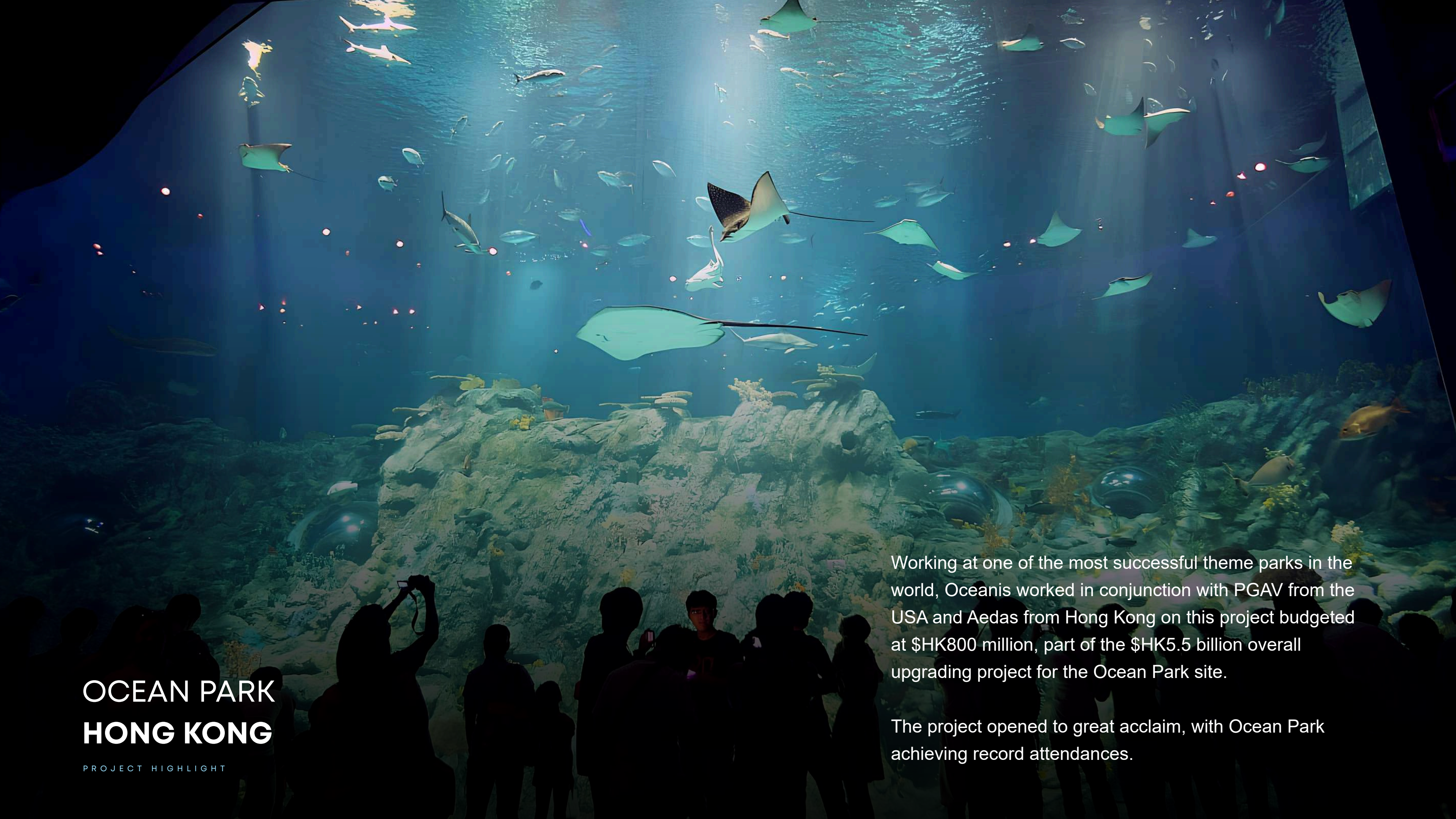
The resulting SeaSim facility supports large-scale coral science, environmental simulation, and marine research within highly controlled aquatic environments.



IMAGE: AIMS

AUSTRALIAN INSTITUTE OF MARINE SCIENCE (AIMS) SEASIM LABORATORY

READ THE FULL PROJECT OVERVIEW AT [OCEANIS.COM.AU](https://oceanis.com.au) ➔



OCEAN PARK HONG KONG

PROJECT HIGHLIGHT

Working at one of the most successful theme parks in the world, Oceanis worked in conjunction with PGAV from the USA and Aedas from Hong Kong on this project budgeted at \$HK800 million, part of the \$HK5.5 billion overall upgrading project for the Ocean Park site.

The project opened to great acclaim, with Ocean Park achieving record attendances.



ALGAE BIOTECHNOLOGY AQUACULTURE FACILITY SAUDI ARABIA

PROJECT HIGHLIGHT

Oceanis worked closely with our client to design the key hydraulic performance elements and seawater management systems of this groundbreaking aquaculture facility located in Saudi Arabia. The facility is combined with a finfish aquaculture facility providing the nutrient source for algae growth.



CRAIGIE LEISURE CENTRE WESTERN AUSTRALIA

PROJECT HIGHLIGHT

Working with Craigie Leisure Centre for more than 12 years, Oceanis has undertaken a wide range of specialist aquatics design projects for the Centre. Comprising 5 large indoor and outdoor pools, Oceanis has most recently completed a 10-year masterplan for the facility aligned with future community needs and to support the centre's popularity into the future.

PROJECT HIGHLIGHT

CRAIGIE LEISURE CENTRE WESTERN AUSTRALIA

Projects for Craigie Leisure Centre have included the design and construction oversight of the water treatment facilities for a replacement of CLC's 25-metre pool, large leisure pool and appended shallow water multi-function space for aerobics and learn-to-swim programs, as well as a large children's aquatics play area, spa, and sauna/steam rooms.

Oceanis has also planned and designed the renovation and upgrade of the Centre's leisure pool and waterplay park, and has recently completed a 10-year masterplan for the Centre.

Oceanis' specialist team has also completed re-engineering of the centre's geothermal system's surface infrastructure to maximise heat extraction from the geothermal well resulting in an exceptionally successful outcome. CLC has been able to extend its heating system beyond the pools to additional building areas, whilst saving hundreds of thousands of dollars per year in reduced energy costs. **Delivered within a live public facility and without additional bore drilling, the rehabilitated system now produces up to 1,600 kW of thermal energy, compared to approximately 250 kW prior to remediation.**

In recognition of the project's success, Craigie Leisure Centre was awarded the **winner of LIWA's Aquatics 2024 Sustainability Award** and a **finalist in the Superior Sustainability category of the 2025–26 Consult Australia Awards for Excellence.**





currently in construction

KAUST COASTAL MARINE RESOURCES LABORATORY SAUDI ARABIA

PROJECT HIGHLIGHT

Oceanis has completed design for an extensive remediation of end-to-end life support systems, associated control systems and infrastructure of the laboratories to allow the University to continue to provide state-of-the-art research capabilities for its scientists.

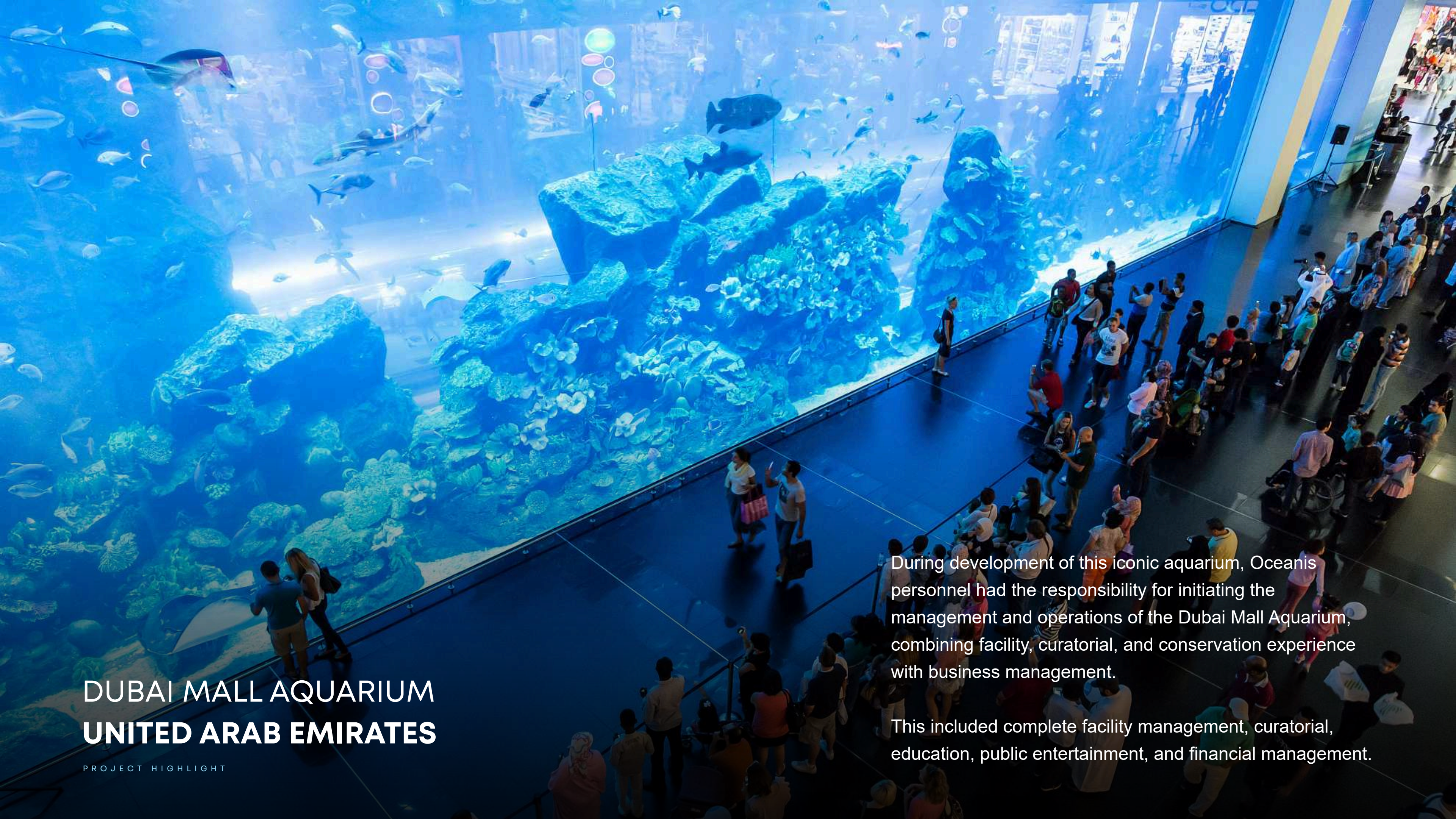
The updated facilities have been designed to support climate change research on Red Sea marine life as well as further enhance animal welfare within the facility. Oceanis has provided construction management services for the first stage of the project, now completed and working successfully. We are now providing construction management for the second stage.



KAUST CMR LABORATORY SAUDI ARABIA



Construction of the CMR upgrades is well underway, with Oceanis continuing to provide support to KAUST during this phase. Most recently Oceanis has undertaken Factory Acceptance Testing of the state-of-the-art membrane filtration technology that is to be deployed as part of the CMR upgrades. This exceptional technology is set to provide KAUST marine researchers with even more enhanced facilities, furthering their Red Sea marine research in support of the Saudi government's conservation and blue economy initiatives.

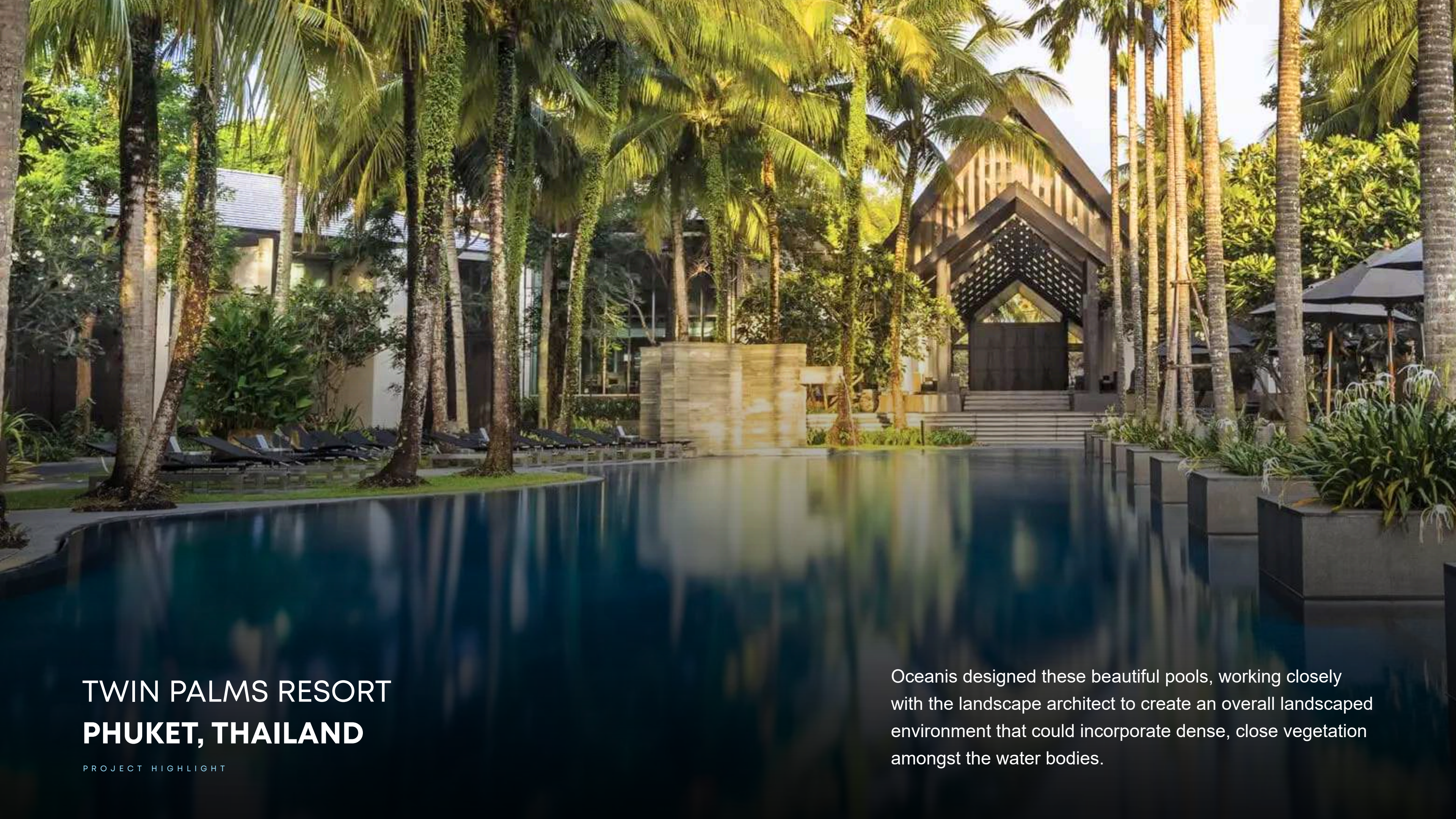


DUBAI MALL AQUARIUM UNITED ARAB EMIRATES

PROJECT HIGHLIGHT

During development of this iconic aquarium, Oceanis personnel had the responsibility for initiating the management and operations of the Dubai Mall Aquarium, combining facility, curatorial, and conservation experience with business management.

This included complete facility management, curatorial, education, public entertainment, and financial management.



TWIN PALMS RESORT PHUKET, THAILAND

PROJECT HIGHLIGHT

Oceanis designed these beautiful pools, working closely with the landscape architect to create an overall landscaped environment that could incorporate dense, close vegetation amongst the water bodies.



KAUST/NEOM PILOT NURSERY AQUARIA **SAUDI ARABIA**

PROJECT HIGHLIGHT

Oceanis has supported the development of a Pilot Nursery designed as a trial environment for accelerating coral growth and refining the operational methods required for a large-scale primary nursery. The 1,000 sqm facility provides space to test propagation technologies, evaluate husbandry and operational practices, and establish reliable workflows before full deployment at the main site.

The Pilot Nursery is to operate as a temporary facility adjacent to the Primary Nursery, functioning as an incubator for ongoing research, innovation, and future large-scale coral restoration operations.



JAMES COOK UNIVERSITY – TROPICAL AQUACULTURE ACCELERATOR (TA2) QUEENSLAND, AUSTRALIA

PROJECT HIGHLIGHT

As specialty Aquaculture, Research and Marine Facilities Lead Consultant, Oceanis led the TA2 design for a modern 'wet' education and R&D facility for James Cook University.

The design comprises a series of wet-controlled environment laboratories designed to be modular and flexible technology-enabled aquatic experimental spaces ("aquasheds"), and state-of-the-art central services backbone. The backbone offers a centrally managed range of seawater qualities, gases, and power, with sophisticated environment monitoring and extensive ICT backbone infrastructure. The central services are supported by finely controllable individual, modular life support systems with advanced controls for managing aquaculture-specific experiments in each laboratory.

PROJECT HIGHLIGHT

KAUST/NEOM CORAL RESTORATION INITIATIVE AT SHUSHAH ISLAND — CORAL AQUARIA **SAUDI ARABIA**

Working from early briefing through detailed design development, Oceanis contributed to the planning of specialised coral nursery and scientific aquaria facilities being developed to support restoration of over 100 hectares of coral reefscape and marine research initiatives at Shushah Island in the Red Sea. The project integrates laboratories, coral holding and propagation systems, water quality facilities, and technical support spaces within a wider tourism environment designed to encourage visitor engagement with coral conservation and restoration activities.

Alongside specialist aquatic systems design, Oceanis also provided strategic input into the integration of marine research within the broader tourism and destination-planning framework, balancing operational performance, visitor experience, environmental responsibility, and long-term conservation outcomes. The project, set to become a core part of KAUST's Core Lab ecosystem, is currently under construction.



IMAGE: PARK+ASSOCIATES

SAMARAFUSHI LAGOON MALDIVES

PROJECT HIGHLIGHT

Oceanis is providing design consultancy for the luxurious pools of the new Samarafushi 5-star hotel development in North Male Atoll, Maldives.



INDIAN OCEAN MARINE RESEARCH CENTRE **WESTERN AUSTRALIA**

PROJECT HIGHLIGHT

The IOMRC is a collaborative project between the Oceans Institute of the University of Western Australia, CSIRO, Western Australia Fisheries Department and the Australian Institute of Marine Science. This project was the refurbishment of the Institute's ocean-side marine research laboratory at Watermans Bay.

Oceanis conducted initial brief development, budget development and concept design of seawater intake and treatment facilities.

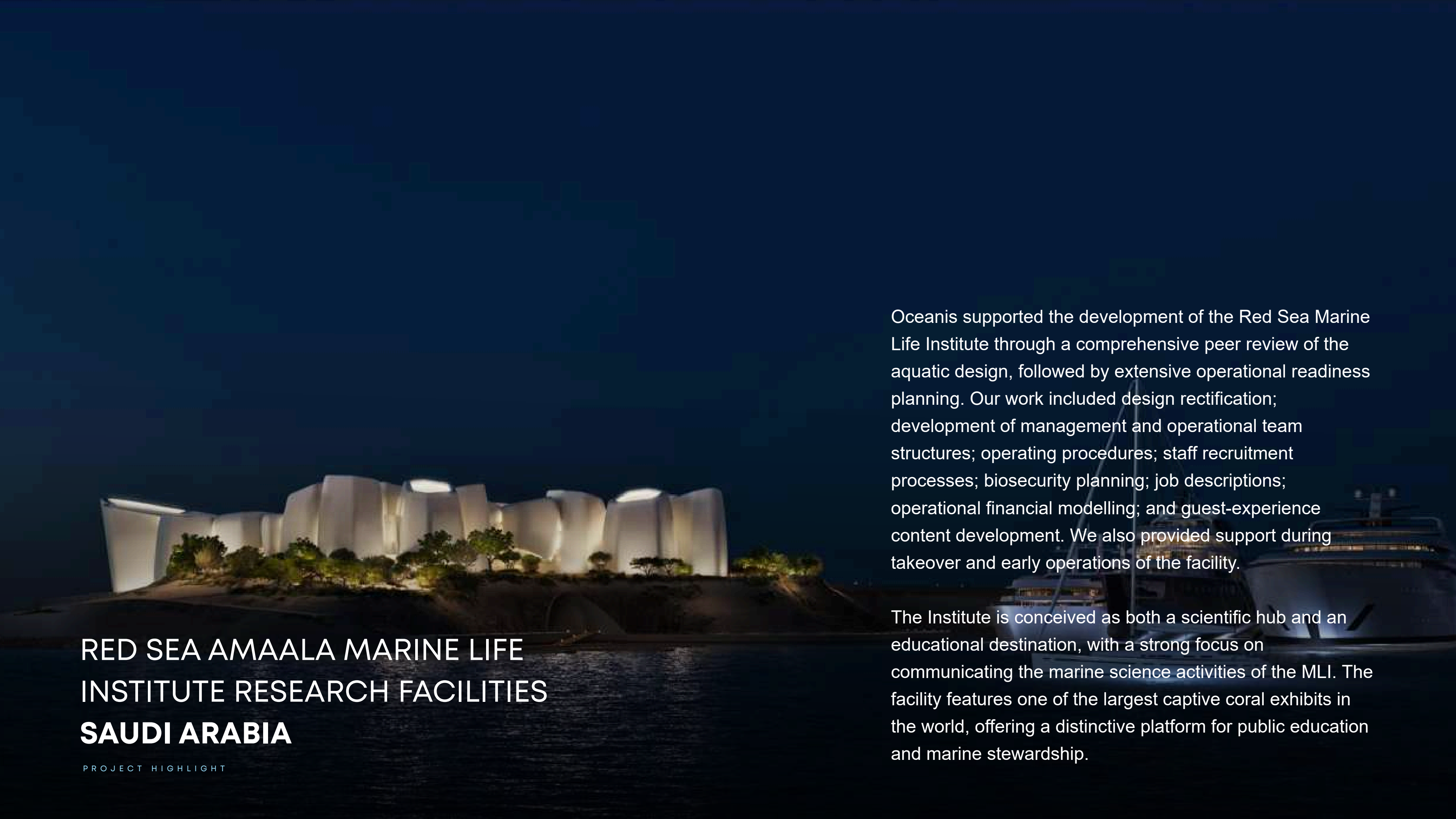


METHODIST LADIES COLLEGE & CHRISTCHURCH GRAMMAR SCHOOL WESTERN AUSTRALIA

PROJECT HIGHLIGHT

Oceanis designed a new 40 by 25 metre heated multi-function pool to create a world-class shared aquatics precinct with neighbouring Christchurch Grammar School's existing facilities. The new pool functions as a lap training pool as well as a FINA standard water polo pool and continues to receive accolades for its operational efficiency and aesthetic appeal.

Oceanis also designed an innovative geothermal solution for the new pool using latent energy from the existing CCGS geothermal water system to produce what is now one of the most efficient heated aquatics installations in Australia.



RED SEA AMAALA MARINE LIFE INSTITUTE RESEARCH FACILITIES **SAUDI ARABIA**

PROJECT HIGHLIGHT

Oceanis supported the development of the Red Sea Marine Life Institute through a comprehensive peer review of the aquatic design, followed by extensive operational readiness planning. Our work included design rectification; development of management and operational team structures; operating procedures; staff recruitment processes; biosecurity planning; job descriptions; operational financial modelling; and guest-experience content development. We also provided support during takeover and early operations of the facility.

The Institute is conceived as both a scientific hub and an educational destination, with a strong focus on communicating the marine science activities of the MLI. The facility features one of the largest captive coral exhibits in the world, offering a distinctive platform for public education and marine stewardship.

THERMAL HOT SPRINGS AUSTRALIA

PROJECT HIGHLIGHT

Oceanis worked with a private developer to plan a major leisure and recreation attraction based around thermal hot springs and the use of geothermal water for heating and therapeutic benefits.

An underwater photograph taken from below, looking up at a large, white shark swimming horizontally across the frame. The shark's body is mostly white with some darker spots. Its large, dark, webbed fins are visible. In the foreground, the backs of several children's heads and their outstretched hands are visible, reaching towards the glass of the aquarium tank. The water is a deep blue color.

MELBOURNE ZOO WILD SEA EXHIBITS MELBOURNE, AUSTRALIA

PROJECT HIGHLIGHT

Oceanis staff conducted the design of aquarium specialty works for this \$36 million project, including development of exhibit and guest experience and conservation programmes.

Creating an exceptional guest experience was an important part of Melbourne Zoo's requirement for the Wild Sea precinct to enhance their environmental sustainability objectives.



MINDEROO EXMOUTH RESEARCH LABORATORY WESTERN AUSTRALIA

PROJECT HIGHLIGHT

Oceanis contributed to the planning and implementation of the research laboratory facilities and seawater systems for the new Minderoo Exmouth Research Laboratory, helping ensure that the infrastructure meets the specific requirements for marine research, including the development of seawater systems designed to support various scientific studies.

An architectural rendering of a large indoor aquatic facility. The space is filled with people of various ages swimming, playing on slides, and relaxing. On the left, there's a large pool with lane lines and people swimming. In the center, a colorful play structure with slides and platforms is visible. To the right, several large, multi-colored slides (blue, yellow, pink) spiral down into a pool. The facility has a high ceiling with a wooden beam structure and large windows or glass walls. The overall atmosphere is bright and lively.

INDOOR AQUATICS FACILITY (IAF) REGINA, CANADA

PROJECT HIGHLIGHT

Oceanis is currently engaged as the geothermal surface infrastructure design lead for a major aquatic facility project in Canada, where deep geothermal heating is being integrated to support long-term energy efficiency.

As part of this large-scale development, Oceanis is responsible for the process design of the surface geothermal infrastructure, connecting the subsurface system to the building's energy and aquatic operations. The vision for the new facility is to create an accessible, inclusive, and sustainable community destination that will serve both residents and visitors for generations to come.

An underwater photograph of several penguins swimming in a clear, shallow pool. The penguins are seen from below, showing their white bellies and dark backs. The water is a vibrant turquoise color. In the foreground, the top of a child's purple hat is visible, partially submerged. The background shows a rocky shoreline with some greenery.

TARONGA ZOO GREAT SOUTHERN OCEANS PRECINCT SYDNEY, AUSTRALIA

PROJECT HIGHLIGHT

To achieve the natural habitats required, the design developed by Oceanis included sea water and freshwater distribution, treatment, and recycling for the pools, beach, and boardwalks of the precinct.

Seawater is distributed to all the precinct's marine pools, and returned to the ocean after stringent treatment regimes. A seawater quality monitoring program ensures all returned water meets strict NSW EPA requirements.

A shallow children's beach pool in the precinct, with circulating water and waves, is also included in this project that provided a fun space for young visitors to the zoo.

A wide-angle photograph of a luxurious resort pool area. In the foreground, several modern wooden cabanas with white curtains and yellow and white striped cushions are situated along the edge of a large, calm swimming pool. The pool's surface reflects the cabanas and the clear blue sky. In the background, a sandy beach leads to the ocean under a vast, clear blue sky. A few palm trees are visible on the left and right sides of the frame.

MONTE CARLO BEACH RESORT ABU DHABI, UAE

PROJECT HIGHLIGHT

The multiple pools and wet play areas at this resort and private club are the entertainment hub for the facility.

Oceanis provided design and maintenance review services and operations advice for all aquatics features for this extensive development.

SEAWATER MANAGEMENT SOLUTIONS

WORLDWIDE EXAMPLES

Oceanis has designed, investigated, and modified major seawater intake, discharge, and artificial seawater systems for a wide range of projects:



- Bali Marine Park, Indonesia
- Subic Bay Marine Exploratorium, Philippines
- Australian Institute of Marine Science, Australia
- Orpheus Island Research Station, Queensland
- Ocean Park, Hong Kong
- Singapore Zoo
- Jakarta Aquarium, Indonesia
- Melbourne Zoo
- Indian Ocean Marine Research Centre, Perth
- AIMS Expansion Program
- KCRI/NEOM Coral Nursery

- Tiger Beach Marine Park, China
- Chennai Aquarium, India
- Beijing Aquarium, China
- James Cook University, Queensland
- Western Australian Fisheries Department Laboratory Review, Perth
- Melbourne Aquarium, Australia
- Hainan Island, China
- Shushah Island Marine Research Centre
- KAUST Algae Biotechnology Centre
- CSIRO Darwin Facilities

- Ningaloo Reef Aquarium and Research Centre Australia
- Haddah Beach Pilot Nursery, Saudi Arabia
- RSG AMAALA Aquarium and Marine Research Facility, Saudi Arabia
- Mumbai Zoo Marine Exhibits, India
- Taronga Marine Exhibits, Sydney Australia
- AIMS Seawater Systems Resiliency Project, Queensland
- KAUST Coastal Marine Resources Laboratories, Saudi Arabia

PROJECTS GALLERY



WATERFRONT URBAN PARK
MACAU



MACQUARIE SEAWATER LAB
AUSTRALIA



**AQUACULTURE RESEARCH
BIOSECURITY FACILITY**
CONFIDENTIAL



**SINGAPORE ZOO – MARINE &
COASTAL HABITAT**
SINGAPORE



**CITY OF GOSNELLS SUTHERLANDS
PARK AQUATICS SPORTS HUB
(SPLASH)**
WESTERN AUSTRALIA



BLUE WATER LAGOON
QUEENSLAND, AUSTRALIA



MARRIOTT RESORT MOMI BAY
FIJI

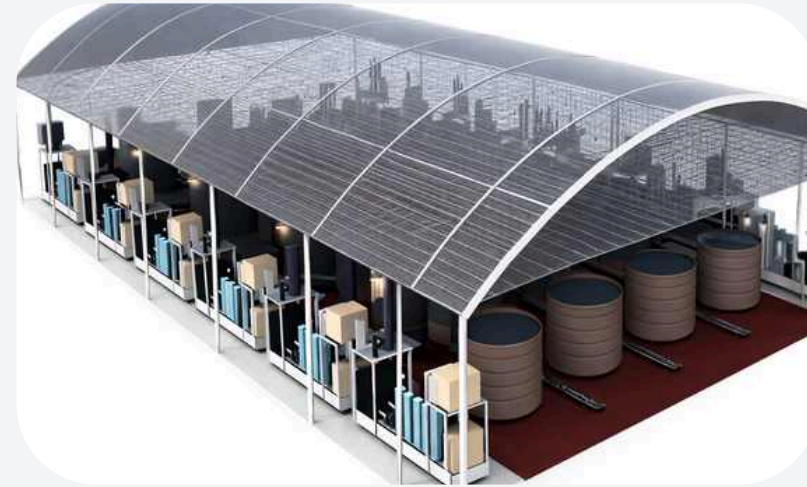


**AUSTRALIAN TROPICAL MARINE
AQUACULTURE FACILITY (ATMAC)**
TOWNSVILLE PORT, AUSTRALIA

PROJECTS GALLERY



**BUSSELTON JETTY
UNDERWATER OBSERVATORY**
AUSTRALIA



**JCU MARINE AND AQUACULTURE
RESEARCH FACILITY (MARF)**
TOWNSVILLE, AUSTRALIA



BALI SAFARI PARK
INDONESIA



**ROCKHAMPTON AQUACULTURE
PRECINCT**
QUEENSLAND, AUSTRALIA



LOTTE WORLD TOWER AQUARIUM
KOREA



**COCKBURN AQUATICS AND
RECREATION PRECINCT**
WESTERN AUSTRALIA



THE SWAN RIVER DECK
AUSTRALIA



**RED SEA MARINE PARK AND
UNDERWATER OBSERVATORY**
MIDDLE EAST

PROJECTS GALLERY



BURJ DUBAI RESIDENCES
UNITED ARAB EMIRATES



MELBOURNE AQUARIUM
AUSTRALIA



SCARBOROUGH BEACH POOL
WESTERN AUSTRALIA



**TARONGA ZOO – ASIAN
RAINFOREST PRECINCT**
SYDNEY, AUSTRALIA



**BEIJING PACIFIC EXHIBITION
AQUARIUM**
CHINA



**NAMUKA BAY HOT AND COLD
THERAPY SPA POOLS**
FIJI



AL-FAISALIAH HOTEL SPA
RIYADH, SAUDI ARABIA



HOVEA WELLNESS CENTRE
WESTERN AUSTRALIA

PROJECTS GALLERY



KENYA HOT SPRINGS RESORT
AFRICA



LYALL RESIDENCES
PERTH, WESTERN AUSTRALIA



JAKARTA OCEANARIUM
INDONESIA



**BYFORD WELLNESS
HYDROTHERAPY POOL**
PERTH, WESTERN AUSTRALIA



PRIVATE ISLAND RESORT AQUATICS
FIJI



CABLE BEACH RESORT
BROOME WESTERN AUSTRALIA



**SOUTH PERTH RECREATION AND
AQUATIC FACILITY (RAF)**
PERTH, WESTERN AUSTRALIA



**BEIJING AQUARIUM AND PENGUIN
PRECINCT**
CHINA

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