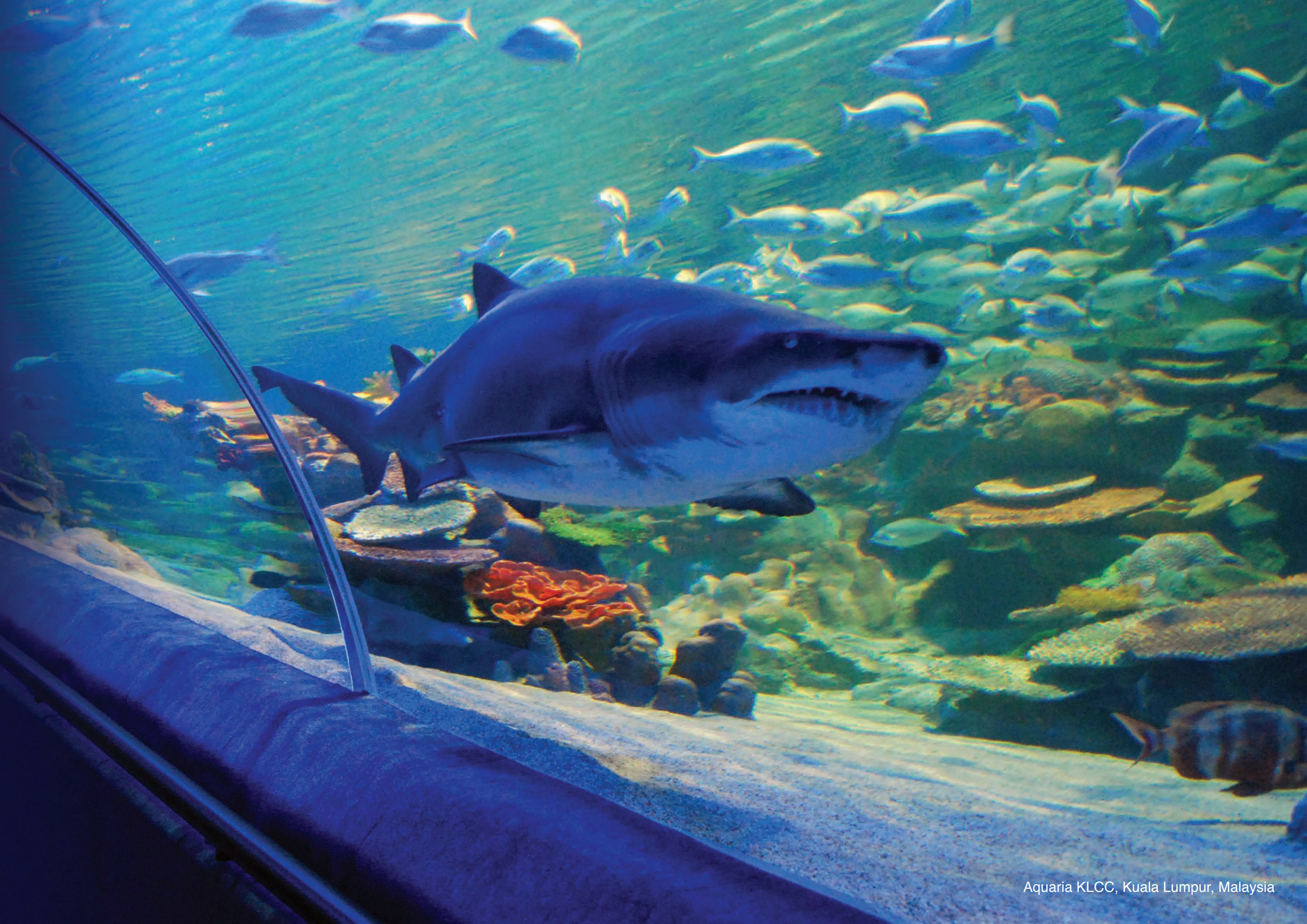


MARINESCAPE
ECO AQUARIUMS



“Our aim is to present to the public world-class aquariums with displays of representative examples of living marine and aquatic organisms in naturalistic settings, and by way of exhibitions, programmes of education, conservation and research to entertain and inform the public, and to encourage a sympathetic awareness and understanding of the marine and freshwater environments and of man’s interaction with them”.





Deep Sea World, Edinburgh, Scotland

MARINESCAPE INTRODUCTION

Marinescape revolutionized the world of aquariums into becoming dynamic visitor attractions by creating the walk-through aquarium, with horizontally curved acrylic SeaTube™. These have become one of the top visitor attractions in the leisure industry today.

The Marinescape Aquarium is extremely successful in fulfilling the continual consumer demand for attractions which entertain the whole family as opposed to youth only orientated leisure parks.

Oceans, seas, rivers and lakes cover two thirds of the earth's surface and all contain unique eco-climates and specialist habitats.

Using the 3 E's philosophy "Environmental Education through Entertainment" Marinescape is able to capture the public's natural curiosity of these environments enabling them to learn and explore at their own leisure, this making it a memorable and rewarding experience.

As aquariums become larger and more complex, so do the associated financial commitments for capital investment and operating costs. Aquariums generally rely on high visitation and entry prices to ensure profitability. With these issues in mind Marinescape commit to deliver a cost effective solution to its clients which attracts a sustainable number of visitor at a reasonable entry fee.

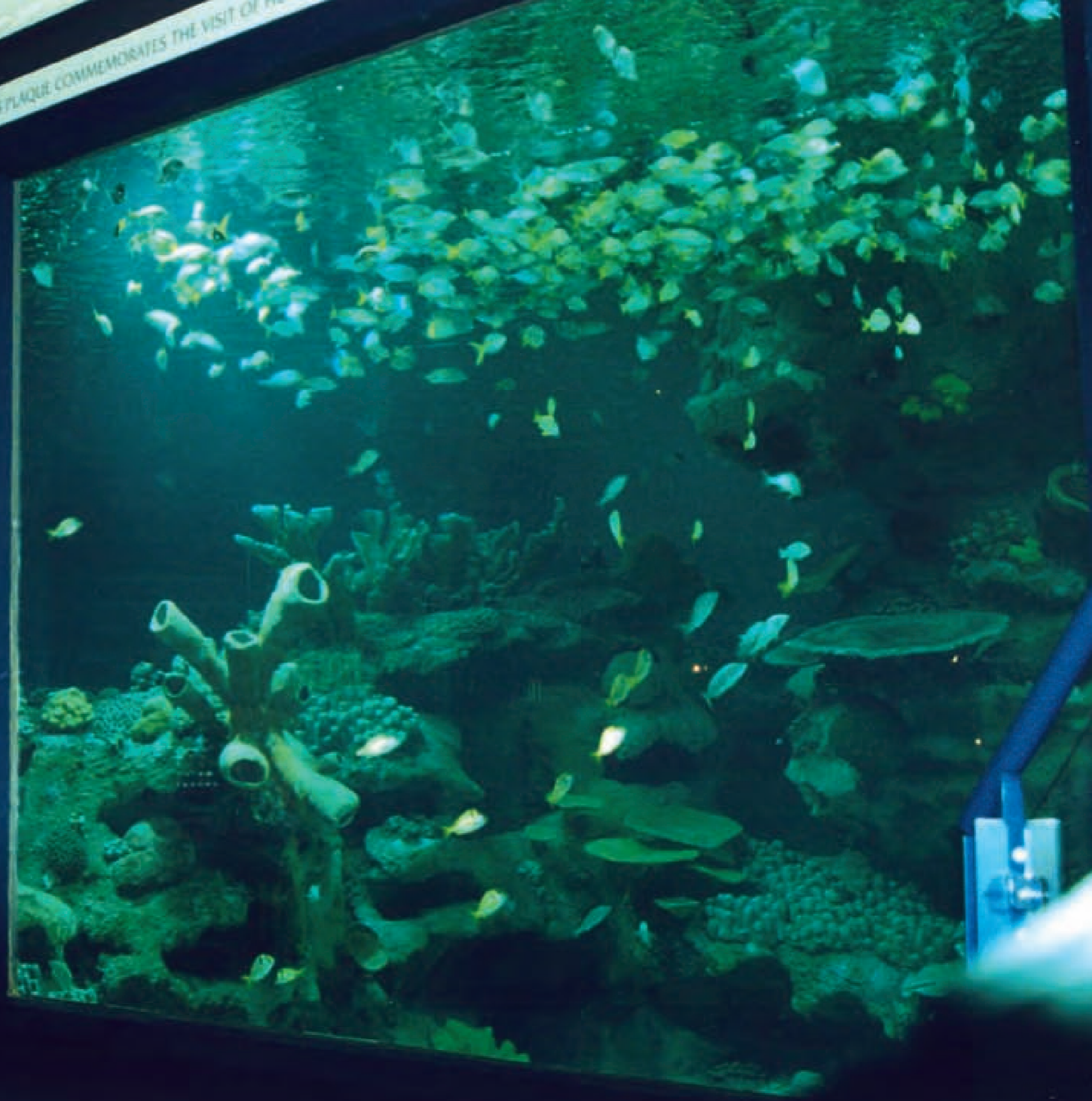
This concept is competitive in capital terms as well as in construction, operation and maintenance costs, without compromise in the use of latest technology.



24 LARGE PUBLIC AQUARIUM CONSTRUCTION DEVELOPMENTS IN 28 YEARS



THIS PLAQUE COMMEMORATES THE VISIT OF



Blue Planet Underwater World, Ellesmere Port, England

THE CONCEPT

Traditionally, the viewing of aquatic life was confined to aquariums where the viewers move around a series of small glass tanks displaying different species of aquatic life. These tanks generally had a cloudy appearance due to poor water quality, this made for an uninteresting experience for the viewer and unhealthy life for the fish.

However in January 1984, Ian Mellsop, Civil Engineer and Managing Director of Marinescape opened the world's first walk-through aquarium in Auckland, New Zealand altering the old format forever.

Imagine yourself surrounded by the crystal clear ocean with hundreds of fish schooling around you. Out of the dark the silhouette of a shark appears and slowly glides past you, above a large stingrays glide over.

In an old shipwreck eels peek out of their holes waiting for their next meal to swim past. This is the Marinescape Concept, one that takes you from the rivers and streams down into the deep dark ocean. There is no other experience like it!!



What separates Marinescape from other aquarium developers?

- Marinescape are the only aquarium developers in the world to offer a complete turn-key service. This ensures the aquarium is developed and managed to the highest specification.

- Marinescape are the leading specialist in the design and build of For-Profit Aquariums, with the success over 24 projects to prove this.

- The Marinescape Concept gives the visitor a divers eye view by taking them underwater through the Marinescape SeaTube™, a horizontally curved acrylic tunnel meandering through a large ocean tank.

- Marinescape Aquariums are dominated by a main tank (ocean tank) where a complete eco-system is established giving the visitors a clear understanding of the marine environment.

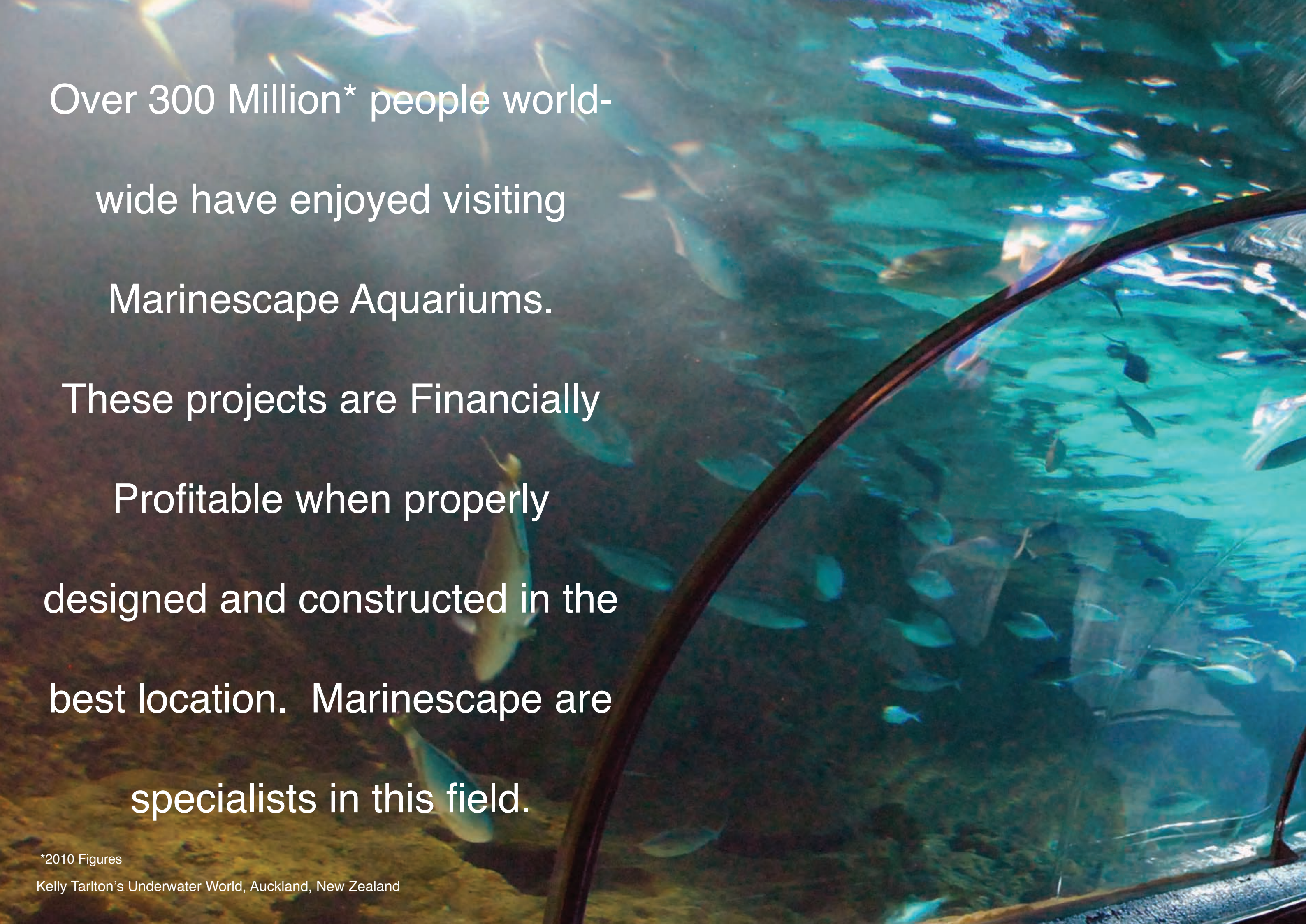
- Rock formations carefully designed to maximise visitor exposure to all facets of life and activity in the tank.

- Visitor movement within tunnel is regulated by a moving walkway, while a fixed platform provides the opportunity for prolonged viewing.

- Large Sharks and Rays are a key attraction of Marinescape Aquariums, with a design to allow sharks to maintain their natural swim-glide pattern .

- Marinescape are innovative in their approach and are continually upgrading their concepts to include cutting edge technology with many “world first” ideas to their credit.



The background of the slide is an underwater photograph of a large aquarium tank. The water is clear and blue, with many fish of various sizes swimming around. A dark metal railing is visible in the foreground, curving across the frame. The lighting is bright, creating a vibrant underwater scene.

Over 300 Million* people world-
wide have enjoyed visiting
Marinescape Aquariums.

These projects are Financially
Profitable when properly
designed and constructed in the
best location. Marinescape are
specialists in this field.

*2010 Figures

Kelly Tarlton's Underwater World, Auckland, New Zealand





Blue Zoo Beijing, Beijing, Peoples Republic of China

MARINESCAPE COMPANY PROFILE

The Marinescape Group of Companies was founded in the 1980's by Directors Ian D. Mellsop and Kay E. Arnold, who maintain 100% ownership.

The first project in Auckland, New Zealand, opened in January 1985.

Completed and In-Progress Projects are:

Year	Project	Country
1985	Kelly Tarlton's Auckland	New Zealand
1987	Manly Aquarium	Australia
1988	Perth Aquarium	Australia
1988	Darwin Aquarium	Australia
1989	Mooloolaba Aquarium	Australia
1990	Private Aquarium for Sultan of Brunei	Brunei
1991	Sentosa Underwater World	Singapore
1992	Ocean Park Shark Tank	Hong Kong
1993	Deep Sea World, Edinburgh	Scotland
1994	Dalian Laohutan Pole Aquarium, Dalian	Peoples Republic of China
1996	Blue Zoo Beijing, Beijing	Peoples Republic of China
1997	Blue Planet Underwater World, Ellesmere Port	England
1998	Xiamen Underwater World, Xiamen	Peoples Republic of China
2000	Sun Asia Ocean World, Dalian	Peoples Republic of China
2001	National Aquarium of New Zealand, Napier	New Zealand
2002	Kazakhstan Underwater World, Astana	Kazakhstan
2003	Pattaya Underwater World Pattaya	Thailand
2005	Planet Neptun, St. Petersburg	Russia
2006	Aquaria KLCC, Kuala Lumpur	Malaysia
2006	Primorsky Oceanarium, Vladivostok (Design Contract)	Russia
2007	Vinpearl Aquarium, Nha Trang	Vietnam
2008	Chiang Mai Zoo Aquarium	Thailand
2008	Antalya Aquarium, Antalya (Design Contract)	Turkey
2008	Baku Aquarium, Baku (Design Contract)	Azerbaijan
2009	Turkuazoo Istanbul Underwater World	Turkey
2010	Pyongyang Aquarium	DPR Korea
2010	Port Huron Aquarium, Michigan (Design Contract)	United States of America
2011	Greater Cleveland Aquarium	United States of America
2011-12	Qawra Aquarium (under construction)	Malta
2011-12	Aquarium of the South Pacific (in development)	New Zealand
2011-12	Hanoi Aquarium - Hanoi (in development)	Vietnam
2012-13	VGP Marine Kingdom (in development)	Chennai, India
2012-13	TAT Mall Aquarium (in development)	Tehran, Iran



Aquaria KLCC, Kuala Lumpur, Malaysia



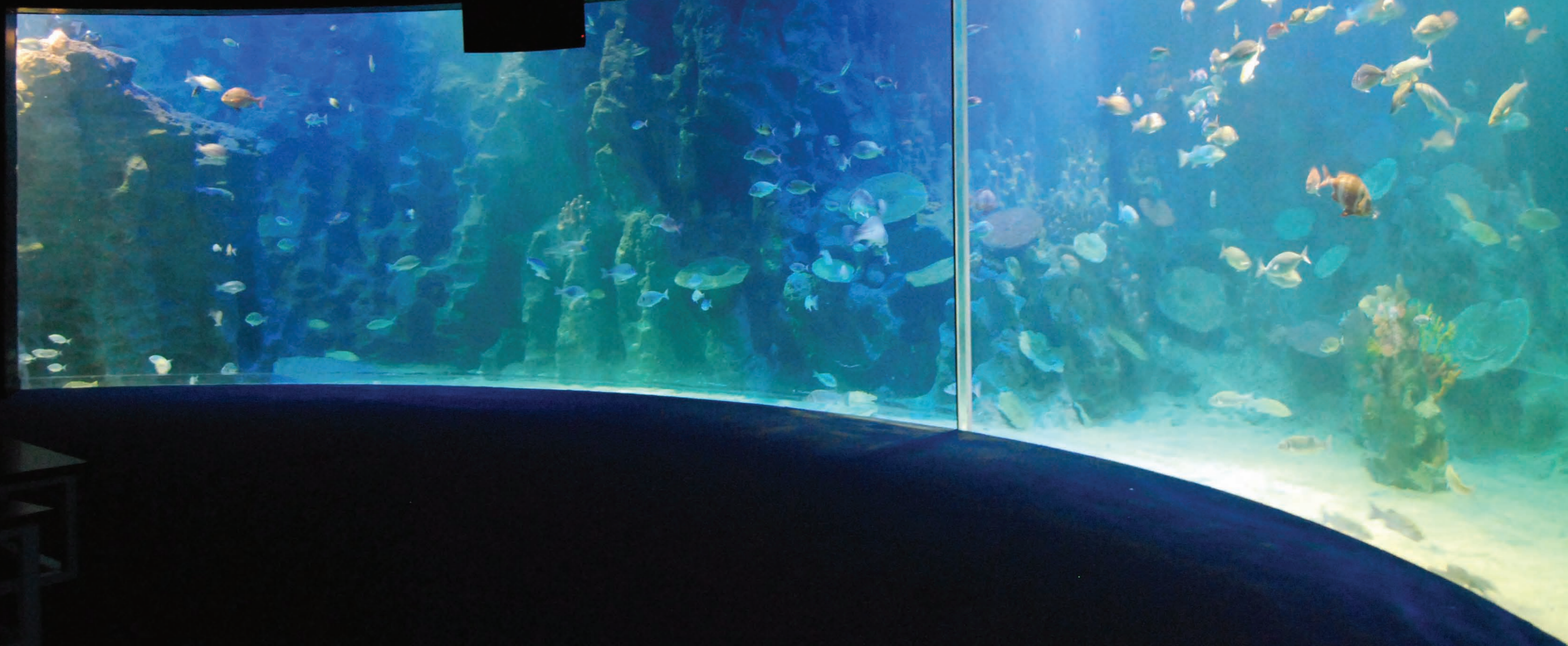
Blue Planet Underwater World, Ellesmere Port, England



Kelly Tarlton's Auckland, New Zealand



Deep Sea World, Edinburgh, Scotland



Turkuzoo, Istanbul, Turkey

MARINESCAPE SERVICES OUTLINE

Marinescape are well known as being amongst the world leaders in developing aquaria using the acrylic tunnel with moving walkway concept, the concept that changed the face of conventional aquarium design. The Marinescape Sea Tube™ cross section geometry gives the Marinescape tunnel the best viewing characteristics of any acrylic aquarium tunnel.

A particular feature of Marinescape is its ability to provide at a commercially competitive price, a complete in-house turn-key service for all aspects of the project, these include:

Services include:

Architectural and engineering design

Design, fabricate and install static displays and specialist exhibits

Design, supply, form and install all acrylic components

Moving walkway

Design and install saltwater/freshwater filtration systems

Design and install underwater theme (artificial rocks) and other artifacts

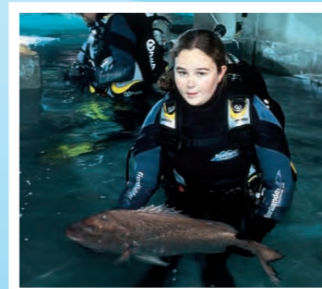
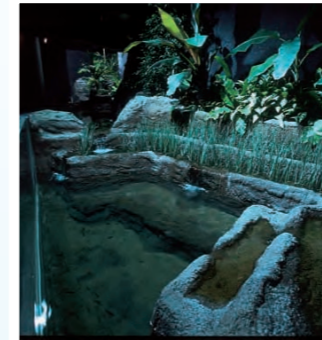
Fish procurement & introduction

Fish care

Completed aquarium operations and maintenance

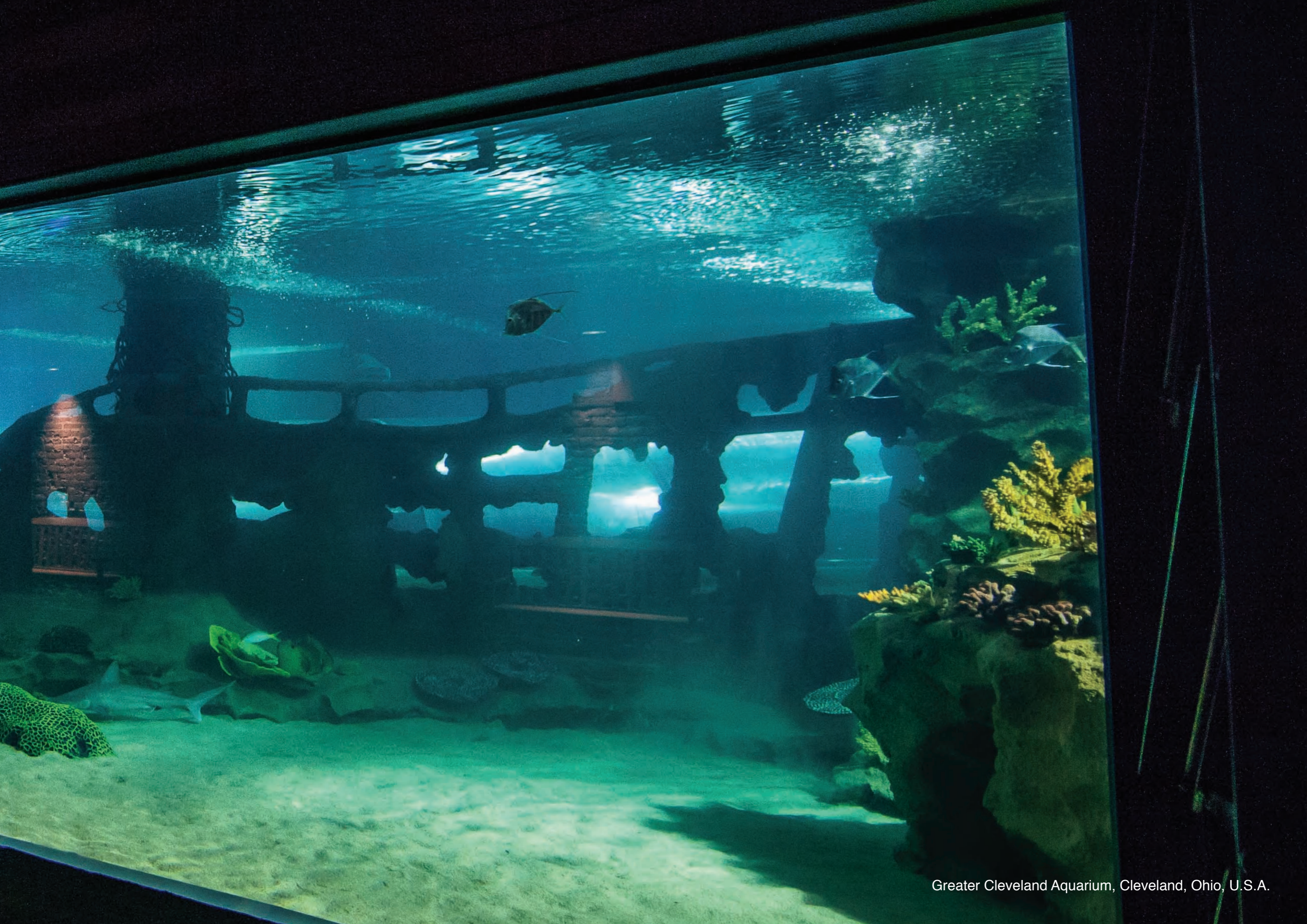
The New Zealand base provides Marinescape with world class technological and professional skills at a relatively low wage and material cost structure. The aquarium components are constructed predominantly in New Zealand in kitset form and shipped in sealed containers directly to the site, then assembled by skilled installation teams. This enables Marinescape to provide the turnkey service delivered on time and within budget. The Company track record demonstrates this.

Marinescape maintain a significant research and development strategy to ensure it remains at the forefront of the aquarium industry.



3 E's "Environmental Education through Entertainment"





Greater Cleveland Aquarium, Cleveland, Ohio, U.S.A.



Aquaria KLCC, Kuala Lumpur, Malaysia

The principals and staff of Marinescape are all professionals in their particular field of expertise, and have worked closely together on many similar projects. This gives every member of the Company a complete understanding of the aquarium development process and the ability to provide an efficient turn-key service.

A total staff of 40 currently work in five countries, directed by the Head Office in Auckland, New Zealand.

The professional team includes:

- Professional Engineers
- Architects
- Marine Biologists & Aquarists
- Artists
- Construction Managers
- Design Technicians
- Acrylic Specialists
- Operation Managers and Technicians
- Tourist Marketing Personal
- Accountants
- Financial Feasibility and Funding Services
- Fish Catchers
- Translators (English, Chinese, Arabic, Russian, Thai, Italian, French, Spanish)
- The Directors lead the Company with personal daily involvement.



COMPANY ORGANISATION

Marinescape operates under six separate departments.

Management

This covers all areas of finance, proposals, feasibility studies for new projects:

- Management,
- Administration,
- Co-ordination,
- Contracts

Exhibit Design and Construction.

- The design, construction and installation of the underwater environment including artificial corals, seaweed and rockwork.
- Interior design, material specification, specialist lighting and space analysis.
- Exhibit design including all static and audio visual rich displays, informational graphics and directional signage.

Aquarist Department

A complete service provided by trained aquarists who have total responsibility for:

- Fish source,
- Supply and transport,
- Introduction and maintenance of good health and
- Development of breeding programmes.

These people work closely with the life support team to provide continuously updated systems.

Life Support Systems

A complete service which includes customised designs to suit the location, locally available components, and the quality of local water. Either closed systems with artificial salts or open or semi-open systems. Each aquarium design varies in accordance with local fish.

Architectural and Building Services (Design and Construction)

Complete building design and construction service. The initial design is carried out at the Marinescape Head Office. Local based consultants are engaged to ensure works are carried out in accordance with local by-laws as well as making the optimum arrangements and use of local contractors, building practices and materials.

Operations

Marinescape has evolved management teams who are operational in New Zealand, Australia, Scotland, Singapore, China, Russia and Thailand.

These teams are comprised of Marinescape staff and consultants who train local people to take over the aquarium operation and maintenance usually within 12 months of opening.



Kelly Tarlton's Underwater World, Auckland, New Zealand

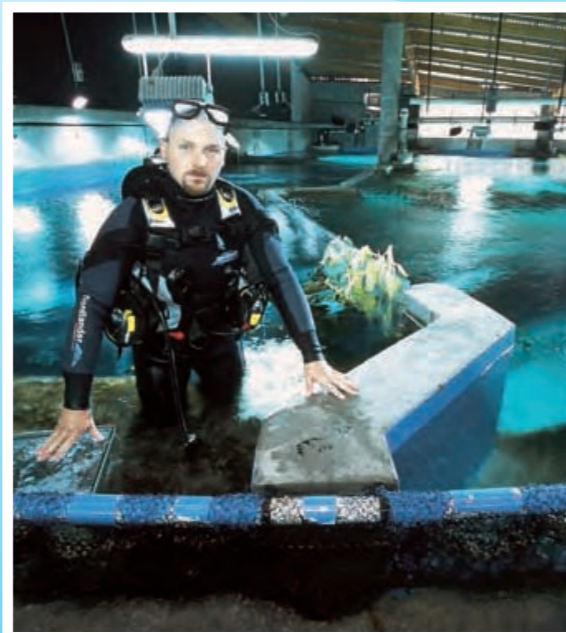
3 E's "Environmental Education through Entertainment"

To set in place world class aquariums, to entertain and educate the public by means of exhibitions, educational programmes, conservation and research by creating realistic aquatic environments for both the public and inhabitants to enjoy!

Marinescape maintains its standards of presentation, education, information husbandry and engineering as well as business second to none. Our Aquariums attract and inform the widest possible audience comprising people of all ages, backgrounds and abilities.

Marinescape recognises the welfare of the animals and the live exhibits is a top priority; we are vigilant in consistently monitoring the wellbeing of both the animals and their natural environments. All fieldwork is carried out in accordance with the AZAA (American Association of Zoos and Aquariums). IAC (International Aquarium Council) guidelines.

With a successful educational philosophy Marinescape provides a classroom available to local schools and other organizations. Fulltime teaching staff develop programs alongside local educational authorities. Lectures would be supplemented by tutorials, microscopic examination of marine life and practical studies in the wet laboratory.





Greater Cleveland Aquarium, Ohio, United States of America

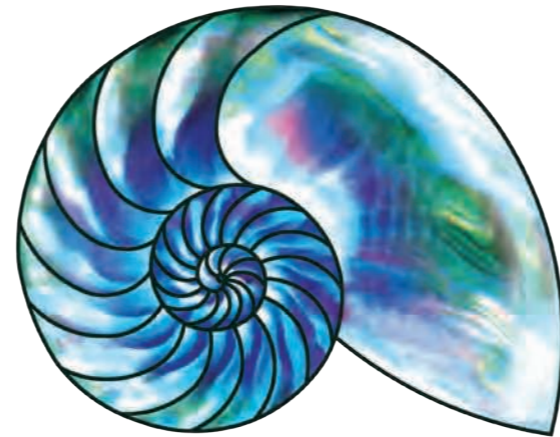


In the last 28 years there has been a renaissance of the marine aquarium. All over the world, many major aquariums have been developed and others have been extended to encompass the technology invented by Marinescape.

Kelly Tarlton's Underwater World in Auckland, New Zealand, a population of 1,000,000 in 1985 became New Zealand's number one tourist attraction in its first year of operation, attracting 750,000 visitors. It also won various National awards and the British Tourism award for best new attraction for new attraction worldwide. The aquarium is officially credited by the New Zealand Government extending the average length of stay of visitors to Auckland from 1.8 to 2.8 nights.

The Singapore Aquarium at Sentosa has been one of the major aquarium successes in Asia consistently attracting up to 2 million visitors each year, since 1989.

Asia and Japan, have between them over 140 public aquariums.



MARINESCAPE

ECO AQUARIUMS

21a JERVOIS ROAD | PONSONBY | AUCKLAND | NEW ZEALAND

PHONE: +64 9 360 2892 | FAX: +64 9 360 2860

EMAIL: traviss@marinescape.co.nz | WEBSITE:
www.marinescape.co.nz

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EAST • KOREA