



Welcome to Aquamarine _____	01
A global team _____	07
Global experience _____	14
Our Services _____	16
Aquariums _____	17
Biomes and Parks _____	32
Family entertainment _____	37
Museums _____	40
Apartments _____	43
Waterparks _____	48
Associations _____	51
Accolades _____	52



Seek insight. Shape the world.

Welcome to Aquamarine.

We are specialists in developing bespoke experience destination.

At Aquamarine we design, build and operate natural experience destinations such as oceanariums, botanical gardens, adventure parks, waterparks and many other developments.

We are specialists in developing bespoke experience destinations. Our vision is to enrich lives and places by creating ecosystems and immersive experiences that move the world forward.

We combine global market knowledge and local understanding with technical expertise and imagination, to create successful, sustainable, profitable, and engaging developments.

With our clients, we create world-leading spaces, biomes and

developments designed to bring the wonder of our natural environment to people around the world in a unique and memorable way, and provide special spaces for people to live, work and play. We bring these to life through our global network of specialist consultants offering world-leading design, architecture, specialist construction, engineering, project management and operational expertise.

About us.

Nicholas Traviss

↳ **Aquamarine**
Owner/Director

No stranger to change, Nicholas has transformed Aquamarine several times over since taking on the company his father Bobby started in 1972. In fact, he sees adaptability as the heart of the business itself, evolving to meet diverse markets, and new horizons.

In Aquamarine's home base of New Zealand, we are the first country to see the new dawn each day, and this special spot in the world helps to shape our unique viewpoint. We're lucky to have many incredible natural environments on our doorstep and the natural world is hugely important to us. Perhaps this is what drives us to create projects that help others across the globe share in nature's wonders too.

We don't shy away from a challenge. We work with clients and communities in unique regions all over the world to help them build legacies and landmarks.



Two Generations of Innovation, 47 years in business, 1100+ projects.

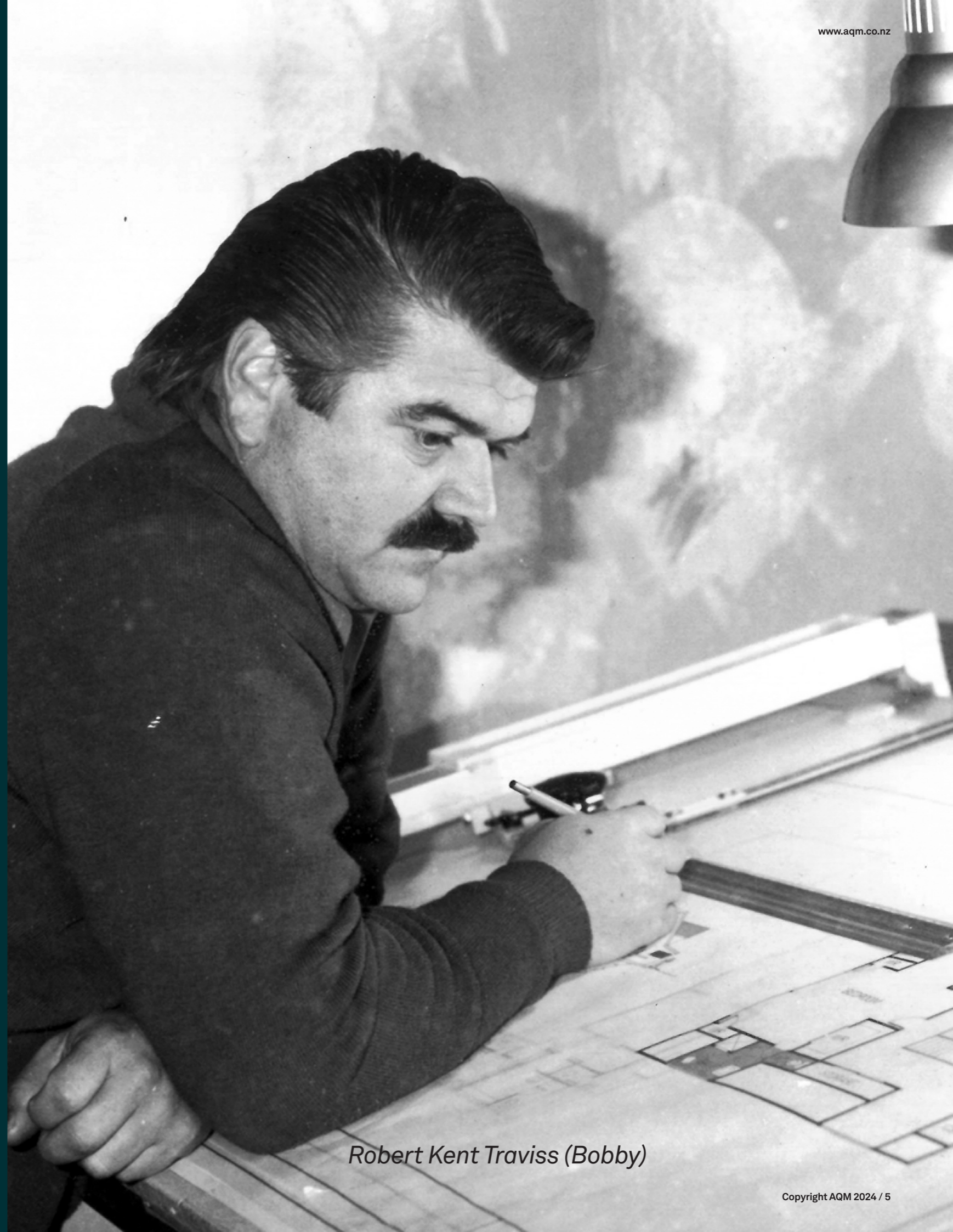
Bobby Traviss started R.K. Traviss Design in 1972, in the Bay of Islands, New Zealand. Since our inception, Aquamarine has evolved into an international design and project consultancy.

From our early focus on architecture, to our specialization in aquariums, to our current focus on multi-feature bespoke developments and integrated biomes – we have always been passionate about enhancing human experience within built environments.

Throughout our evolution, we have stayed true to our roots – holding onto a respect for our natural environment, a commitment to outstanding delivery in true partnership with our clients, and a sensitivity to how our work can impact and improve lives.

Today with clients spanning almost every continent, Aquamarine consistently emphasises building a group of like-minded professionals across the globe to support their vision.

With the combined knowledge and technical expertise this approach enables, Aquamarine has displayed an unprecedented ability to interpret the needs, contexts and business cases of their international clients, and in turn, produce sustainable, inspiring and change-provoking solutions.



Robert Kent Traviss (Bobby)

History.

1972

Bobby Traviss founds R.K. Traviss Design in Bay of Islands New Zealand.

2002

Our second era begins, as Nicholas joins his father in the business, and R.K. Traviss Design becomes Traviss Design.

2006

Bobby passes, and leaves his legacy to Nicholas, as the business continues to grow and diversify.

2012

Aquamarine Projects embarks on a number of diverse nature-based entertainment projects including nature parks, water parks, botanic gardens and discovery centres.

2024

Aquamarine Projects diversifies into Tourism Masterplan and Environmental planning projects, Wellness Centers and also creates 'Worldtree', a new world-first concept.

Aquamarine acquires Marinescape Intellectual Property over its 40 year history as one of the Aquarium Industries founding members.

1972 - 2002

30 years marks 977 individual projects completed in New Zealand's Northland Region

2002 - 2012

Traviss Design builds an international reputation as an expert consultancy in aquarium design, partnering with other leading Aquarium industry experts on over 150 projects over this time.

2012 - 2019

Traviss Design expands into Aquamarine Projects – extending beyond aquariums into diverse entertainment and experience precinct projects

2010 - Present

Aquamarine pioneers the new commercial Eco-Aquarium and champions Biome development as the sustainable future of entertainment design.

2019 - 2024

Aquamarine develops Tourism Masterplans with governments in the Asian Region with special emphasis on the preservation of indigenous cultures.

Our team.



Suzanne Burger

Senior Interior Designer

Qualifications: Diploma at the Cape Peninsula University of Technology

Suzanne Burger, a Senior Interior Designer, was born and educated in Cape Town. She graduated from the Cape Peninsula University of Technology in 2006. Throughout her career, she has made her mark on various projects both locally and globally, successfully completing internationally renowned projects in South Africa, England, Russia, Monaco, India, and Turkey. Since joining the Aquamarine team in 2013, she has utilized her experience and knowledge to create truly unique and functional spaces.

Nicolas Burger

Senior Graphic Designer

Qualifications: Bachelor of Arts in Visual Communication – University of Stellenbosch

Nicolas Burger, a Senior Graphic Designer, was born and raised in Cape Town. He earned his degree in Visual Communication from the University of Stellenbosch. With a specialization in brand development, Nicolas has successfully crafted brands on an international scale, including notable projects in South Africa, England, Russia, Monaco, India, and Turkey. Since joining Aquamarine in 2013, he has applied his extensive expertise to create distinctive and impactful brands for a diverse range of projects.



Carrie Reyden

Marine Biologist and Zoologist

MSc Conservation Biology

Ms. Carrie Reyden is a Marine and Zoo Biologist at Aquamarine Projects Ltd, where she specializes in scientific research for zoo and aquarium projects. Born and educated in New Zealand, Carrie earned a Bachelor of Science in Zoology and a Master of Science in Conservation Biology, with a concentration in marine science.

Carrie's background includes biosecurity, ecological consulting, and guiding at various tourist attractions in New Zealand. These experiences along with her education have equipped her with valuable research skills as well as insight into the operation and importance of tourism activities. At Aquamarine, she has been integral to numerous aquarium and zoo projects, contributing biological research for the design and development of educational resources for these attractions.

Passionate about the natural world, especially marine environments and conservation, Carrie is committed to educating people globally about the importance of environmental protection. She enjoys creating engaging and educational experiences at zoos and aquariums to foster environmental awareness.



Maxim Belyanin

Administrator and Regional Representative

Qualifications: Applied Mathematics and IT (Moscow State University), Negotiations and cross-cultural communications (Open European Academy of Economics & Politics, Prague), E-MBA in Management (Tallinn School of Management),

Maxim Belyanin is a seasoned professional with a robust academic foundation in Applied Mathematics, Information Technology, and Business Management. With over 20 years of diverse experience across various industries, he brings a wealth of knowledge and expertise to our team, ensuring the seamless execution of our specialized architecture projects. His focus is particularly strong in the design and development of aquariums and biomes, where his analytical skills and strategic mindset play a crucial role.

Since joining Aquamarine Projects in 2013, Maxim has been instrumental in enhancing our client relations, serving as a vital link between our high-profile clients and our technical specialists. His ability to understand and interpret clients' unique ideas and visions is unmatched, allowing him to translate complex concepts into actionable plans that our experts can bring to life with precision and creativity. Maxim's role is not just about communication; it's about fostering a collaborative environment where client expectations are not only met but exceeded, ensuring that each project is delivered to the highest standards of excellence.



Chante Betham

General Manager

Qualifications: BMS, Bachelor of Management Studies with a diploma in Marketing & International Business Management, University of Waikato; Certified and Accredited Life Coach.

Chante is a seasoned business professional with over 20 years experience in driving and leading teams to success in dynamic business environments. With diverse experience in various industries, she brings a wealth of knowledge and expertise to our team with a strong focus on strategic management, marketing, sales and business development.

Chante will bring to her role the ability to drive growth, improve operations, and the implementation of strategic initiatives with strong leadership skills and a passion for people, connection and team development.

Our team.



Conrad Mellsop

Aquarium Technical Specialist

Qualifications: B.E (Hons), PGDip (CPM)

Mr. Conrad Mellsop possesses over 20 years of experience in the aquarium industry, having been involved in more than ten projects across various roles. Recently, he established his own consultancy firm that offers specialist engineering services for the commercial aquarium sector.

Mr. Mellsop commenced his career in the early 2000s, assisting with the installation of acrylic viewing windows and life support systems while completing his engineering degree. Subsequently, he transitioned to the Building Services Sector, working as a consulting electrical engineer for one of the largest engineering consultancies in the Asia Pacific region.

In the mid-2000s, Mr. Mellsop returned to the aquarium industry, where he has since dedicated 18 years to numerous projects worldwide. He has garnered extensive expertise in life support systems, acrylic viewing systems, thematic design, as well as general civil works and MEP (Mechanical, Electrical, and Plumbing) engineering. In 2020, he furthered his education by earning a Postgraduate Diploma in Construction Project Management.



Adrian Tolliday

Aquarium Operations Director

Qualifications:

BSc(Hons) Aquatic Biology, University College of Wales Aberystwyth, 1993-1996.

Fellow, Royal Society of Biology UK

Project Management Professional, Project Management Institute.

Adrian is an experienced Project Director and Executive Manager with 30 years' experience in the Aquatic and animal-based industries. As a Chartered Biologist and Fellow of the U.K. Royal Society of Biology, complemented by Project Management Professional (PMP) qualifications, coupled with a long career in the industry, he brings a unique blend of creativity, scientific expertise, Aquatic animal facility and project management proficiency to the role.

Adrian has led developments of multiple large-scale Aquariums in his long history, including Dubai Atlantis the Palm, Oman Aquarium, Dubai Aquarium, Jeddah Oceanarium to name only a few.



Liliya Vinogradova

Zoologist Design Specialist

Qualifications: Altai State Technical University, Institute of Architecture and Design, Master's Degree of Architecture (2022).

Altai State University, Faculty of Arts and Design, PhD in History of Arts (2016).

Altai State Technical University, Department of Foreign Languages, Interpreter in the field of professional communication (2015-2018).

Altai State Technical University, Faculty of Civil Engineering, Engineer (2002-2007).

Lilia Vinogradova is an accomplished academic and researcher with a focus on architecture, particularly in the design and spatial organization of zoos, parks, and urban environments. Her extensive work includes numerous articles on the architectural and ecological aspects of zoo design, landscape environments, and urban planning, with a special emphasis on Siberia's unique climatic conditions. Lilia has also contributed to the study of cultural and recreational parks, eco-villages, and theme parks, demonstrating her commitment to enhancing public spaces. Her research is widely published in academic journals, and she has developed methodological guidelines for students in architecture and design.



Tina Borodulina

Social Anthropologist and Cultural Heritage Consultant

Ms. Tina Borodulina is a renowned social anthropologist and author of museum and exhibition projects, with a deep focus on native cultures and heritage preservation. She holds graduate and postgraduate degrees in history and ethnology from Moscow State University and has specialized in Siberian region studies during her tenure at the Institute of Ethnology and Anthropology of the Russian Academy of Sciences.

With extensive ethnographic fieldwork experience, Tina has developed innovative edutainment and exhibition concepts for museums, theme parks, and other cultural venues. Her work, which often centers on native communities, wildlife conservation, and the protection of tangible and intangible heritage, has earned national and global recognition, including the European Museum of the Year Award special commendation and the Golden Mask award.

Tina is committed to promoting cultural and biological diversity, inclusion, and sustainability in all her projects. By integrating traditional knowledge with modern technology and design, she creates unique, immersive experiences that resonate widely. Her interdisciplinary approach and dedication to cultural heritage have made her a leading figure in the field.

Our team.



Alston Koch

Regional Executive and Manager

Alston Koch is a Sri Lankan-born Australian who has made significant strides as an entrepreneur, entertainer, singer-songwriter, film & record producer, award-winning actor, and successful businessman. His influence spans continents from the early 1970s, with notable achievements in music and business across Australia, the USA, the United Kingdom, Indonesia, Thailand, Malaysia, India, and Sri Lanka.

In addition to his entertainment career, Koch has been deeply involved in environmental conservation since the late 1980s. He worked closely with Professor David Bellamy of The British Conservation Foundation and made a notable appearance in the House of Commons to discuss these issues. His commitment to raising awareness about the effects of climate change is evidenced by his many videos & music on the subject in most territories of the World, making him a pioneer in this area.

Koch's impact worldwide was recognised when he received the State of California Senate's Certificate of Recognition and the Special US Congressional Recognition for his contributions to American communities. His first major self written hit, "Disco Lady," earned him a gold record and was widely featured on TV and Radio. He was credited as a purveyor of Disco-Soul music in Australia and the Southern Hemisphere during the early 1970s. In 2012, he achieved further success with a No. 3 album for SONY Music.

Koch's contributions extend beyond music. He played a significant role in the most expensive sporting event in the world, the America's Cup, in 1986 by writing and performing an album for the KOOKABURRA yacht representing Australia. The album, "Kookaburra Connection," was notable for its representation of Australian Aboriginal culture, making it the first Australian album to do so at a time when such representation was scarce.

In the business realm, Koch introduced the first cable TV network (Comet Cable/ Multivision) to Sri Lanka in 1999, where he served as the first chairman. He introduced the first theme restaurant in South East Asia with a unique idea in specialised dining which was a huge success. He also played a key role in the Hambantota Harbour Project, signed by the Sri Lankan government. Later, he was appointed as the Honorary Global Ambassador for Tourism by the Sri Lankan Government and served as the brand ambassador for the 2011 World Cup Cricket tournament.

Koch's dedication to raising awareness about global issues, such as climate change, has been internationally acclaimed by leaders and presidents from various countries. His efforts were highlighted when he wrote & performed numerous classic songs & video presentations on climate change supported by the UNWTO & other related organisations on World Environment Day 2016, 2017 & 2018 and subsequently at the United Nations Headquarters in New York.

Koch was recognised by the ARTS FOR PEACE organisation in 2016 as a peace leader & environmental ambassador.

He was also invited to the advocacy of the prestigious Grammy Academy in 2015.

Most recently, Koch was honoured by the Hon. Milton Dick, Speaker of the House of Representatives in Australia, at a private function in Brisbane in July 2024, where his enduring impact and connection to both Australia and Sri Lanka was

officially recognised & celebrated.

With a career spanning decades, Alston Koch remains a significant figure in both the entertainment and business industries, continuing to inspire and introduce innovative ideas of business & entertainment in cities worldwide through his multifaceted efforts and humanitarian contributions.

'Alston Koch is not only one of the most talented I have met, he is an inspiration'
The Hon Nirj Deva Addiya (Former M.P British Conservatives & M.P European Union)

'Alston introduced me to the 'Roots of wisdom in ayurvedic healing in Sri Lanka... & the Roots of music as produced by the Australian Aborigine in the largest continent in the World'

Professor David Bellamy (British Conservation Foundation)



Frederick James Koch

Project Manager

Frederick James Koch is a highly skilled and enthusiastic professional with a diverse background in project management, customer service, and strategic negotiation. With over a decade of experience in various industries, Frederick brings exceptional organisational and interpersonal skills to his new role within Aquamarine.

Frederick's journey includes significant achievements such as serving as a strategic negotiator for the Australian Government's Department of Defence managing multi-billion dollar projects with only a team of 5, raising funds to build a hospital and ambulance for underprivileged children and their communities in Kibera and the Maasai country in Kenya through documentary work that helped the lives of some 10,000 men women and children.

His expertise in managing complex projects and his ability to lead and inspire teams have been consistently demonstrated throughout his career.

Frederick's academic background includes a Bachelor of Arts/Computer Science degree from Monash University, Melbourne Australia, with a major in Japanese Language, linguistics, and networking communications.

In addition to his professional accomplishments, Frederick holds graduate diplomas in directing and screenwriting from the Australian Film Television and Radio School, and a diploma in performing arts from Actors Centre Australia.

Frederick's commitment to excellence and his belief in the importance of cultural understanding in a professional business environment makes him an ideal leader and a valued team member of the AQM team. His diverse skill set and passion for both technical and creative endeavours ensure that he will bring a unique and valuable perspective.

Our team.



Craig Worthington

Senior Aquarist and Marine Capture Specialist

Craig Worthington is a seasoned live fish capture and fish transport specialist, known for his deep expertise in all aspects of aquarium keeping, construction, and stocking. With a particular strength in managing multi-species introductions into large, complex aquaria, Craig takes pride in ensuring the rapid adaptation of new specimens to their new environments, as well as maintaining the good health of all transferred specimens.

At 62 years old (as of September 2024), Craig is not only a 'mature' aquarium consultant but also remarkably fit and active. He is a skilled communicator, both in writing and speaking, with a prolific output of written work that spans tens of thousands of words annually in various fishing, fly fishing, and diving magazines, consistently integrating marine biology themes.

Craig's extensive aquarium keeping experience is rooted in a lifelong career that has seen him manage the complexities of long-haul fish freight, often on challenging multi-stop routes with freight box times ranging from 25 to 40 hours. He excels in accelerating livestock adaptation from live capture through quarantine, aquarium holding, and export, and is adept at navigating the intricate requirements of customs, wildlife, and quarantine regulations.

His expertise extends across a vast range of environments, from sub-Antarctic to tropical, covering both freshwater and saltwater specimens. Craig has also dedicated significant time to researching South-West Pacific and Indo-Pacific fishes and their juveniles, capturing and growing larval and juvenile fish within aquarium settings. His design capabilities are evident in his work on aquariums tailored to Indo-Pacific fish species, and he is proficient in constructing RAS life support systems while enhancing all related biological processes.

Craig Worthington is a true expert in his field, combining a wealth of practical experience with a deep commitment to the health and well-being of the aquatic life he manages.



Karina Akopian

Senior 3D Architectural and Environmental Designer

Karina Akopian is an accomplished professional in the fields of 3D artistry and design, blending her architectural expertise with a passion for creating immersive environments. With a degree in architecture, she has been actively shaping the built environment since 2009, bringing over 15 years of experience to her projects. Her career has evolved to include specialized work in designing aquariums and zoos, where her skills in 3D design are complemented by a deep understanding of architectural principles.

Over the past five years, Karina has dedicated herself to crafting intricate and dynamic habitats, ensuring that her designs not only meet aesthetic and functional requirements but also enhance the well-being of the living creatures within them. Her unique combination of artistic talent and architectural knowledge makes her a sought-after expert in creating both realistic and fantastical spaces that captivate and inspire.

Our International personnel are as follows:

Principal Director, Architecture and Management:
 Finance and Operations Manager:
 Associate Manager and Regional Co-ordinator
 Regional General Manager and Administration:
 Project manager:
 Marine Biologist and Zoologist
 Specialist Aquarium systems Design and Engineering
 Cultural Sociologist:
 Social Anthropologist and Exhibit Curator:
 Project Leader and Interior Designer:
 Graphic Designer and Marketing:
 Project BIM Lead (Revit 2024):
 Senior Draughting Team Leader:
 Draughting Team Members:

Nicholas Traviss
 Lizzie Traviss
 Alston Koch
 Maxim Belyanin
 Vladimir Glizer
 Carrie Reydan
 Conrad Mellsoy
 Dr Olga Suvorova
 Alevtina Borodulina
 Suzanne Burger
 Nicolas Burger
 Cecilia van der Merwe
 Amoré Strauss
 Hendrik Saaiman
 Kristi van Heerden
 Julie-Anne Porter

Our other team members include the following engineering disciplines;

Mechanical Engineer, HVAC Project Engineer, Plumbing Project Engineer, Electrical Project Engineer, Low Current Systems Project Engineer, Fire Systems Engineer, Construction and special systems, LSS Engineering systems and Building engineering systems.

Our Specialist team members include the following disciplines;

Multifield specialist in plants of different climatic areas, Specialist Aquarist and Curator, Specialist in tropical and subtropical plants, open ground plants, Specialist in aquatic plants, Decorator-artist Artificial landscapes, Specialist in large fish farming systems and exhibit aquariums, Specialist in desert species, turtles, lizards and crocodiles, Reptiles, Specialists in snakes and lizards: Ornithologist and practicing veterinarian, Aquarist Specialist in amphibians, chameleons and lizards, Butterfly and Insect Specialist, Insect and snail specialist.



Cecilia van der Merwe & Amoré Strauss

Senior BIM Lead & Senior Draughting Team Leader

Our Partners.

Absolute Commerce



Brian Wong

Business Development Director

Focused on trading for the past 22 years in military support equipment supply, Brian develops business strategies, product placement and handles "Peer to Peer" (P2P) business structures and models.

Being in defence consultancy, he also offers a variety of drones for military applications, as well as for civilian use. Armoured vehicle Spare Parts, Vessel Electrification and Automation, Diving Navigation Systems, Information Technology Infrastructure and Smart City Implementation are part of his portfolio, working with various vendors and principles.

Project funding is part of his portfolio and he is immensely attached to business Start-Ups and Investments into the private and government sectors.

He has diversified into consultancy management as well as facilitating projects as an intermediary, as he is Co-Founder and Director of his own consultancy company.

Brian is actively engaged in digital supply chain management and e-commerce providing platforms to clients, namely defence, security, logistics, healthcare and agriculture.

Brian has an Associate Degree in Business Management and Accounting from Swinburne University of Technology, Melbourne, Australia and also a Hospitality Diploma from Taylor's University, Kuala Lumpur. He served in various hotels and supermarkets for about 12 years.

He has vast business marketing, sales and public relations experience. Currently he is one of the company's Founding Partners and is the Business Development Director.

Brian is very much into reading, golfing, networking, business consultancy and product sourcing. His motivational level is concentrated on focused projects, management and achieving business goals.

Within his capacity in defence consultancy, Brian managed and successfully implemented projects namely Mine Warfare Tactical Software, Marine Engines for Training Ships, Automation and Digital Display Systems, Submarine Battery Electrification Systems and Battery Management Systems for the Malaysian Armed Forces.



Adrain Jerome

Chairman

Adrain Jerome completed his degree in International Relations in 1994 at Keele University, United Kingdom and spent the last 28 years in Education and Training sector starting with a British Company providing consulting services to British Universities and Local Institutions of Higher Learning. He was also involved the development of two foreign University Branch campuses and the development of Transnational Education in Malaysia and the region.

Since 1998 Adrain has been running his own consulting company and spent a significant time providing development strategy advice, marketing and promotional advice to Institution of Higher Learning both in Malaysia and United Kingdom and Investment strategy advice to Private and Public investors.

In the last 5 years, Adrain has spent time assisting Organizations and Government Agencies and Ministries to raise funds to fund Government related projects. To stay close to his passion, he still continues to spend time developing Educational related projects, mainly in the areas of Recognition of Prior Learning (RPL) programs for Malaysian Organizations and Companies in partnership with UK and Malaysian Universities and Technical and Vocational Institutions, using his extensive experience, knowledge and network within Malaysia, United Kingdom and ASEAN region.

Adrain attended CSC 2003 in Australia and New Zealand and served the Commonwealth Study Conference Association of Malaysia since 2003 and currently is the President of COSCAM. He also served as Chairman of the Emerging Leaders' Dialogue Asia Conference 2016, where HRH Princes Royal, Princes Anne was the President of the Conference held in Malaysia for the first time, since its inception in 1956. He is currently the Chairman of ELD Asia PLT. He was also the Chairman of the 1st Sarawak Dialogue held in 2018 to promote Trade and Investment in Sarawak for the Sarawak State Government.

Adrain served the Malaysia Crime Prevention Foundation since 1998 and served as Vice Chairman, Malaysia Crime Prevention Foundation, Kuala Lumpur from 2002 – 2014 and Chairman from 2019 – 2022.

He is currently the Chairman of the Malaysia Asia Pacific Economic Chambers of Commerce Berhad. An organization set up to assist in the development of Investment and Trade within Malaysia and the Asia Pacific region.

To past his time he spends working with Youths in developing sports and entrepreneurship.

Our Partners.

Absolute Commerce



Hans Sibert

Implementation & Operations Director

Hans currently focuses mainly on digital transformation initiatives in supply chain management, logistics operations including e-commerce platforms and marketplaces.

He has vast experience in digital supply chain, logistics and e-commerce platforms including operational frameworks for global material sourcing of raw materials and components as well as sales and distribution of finished products. Hans has led application systems and automation implementation projects primarily in automated guided vehicle (AGV) tracking, automated storage and retrieval (AS/RS) systems integration, SKU / pallet tracking, digital pick up / delivery run sheets, proof of delivery (POD) confirmation for supply chain/logistics service providers, distribution centres, hubs and warehouses.

He has in depth knowledge in digital supply chain, logistics and e-commerce data analytics in areas of data mining, aggregation, and analytical reporting.

Hans is also involved in regional pre-sales activities, business development and project management in application systems, platforms and marketplaces implementation.

He has also managed E Commerce, Enterprise Resource Planning (ERP), Customer Relationship Management (CRM), Supply Chain Management (SCM), Unmanned Aerial Vehicles (UAV), Document Management, Human Capital Management and mobile application systems.

Hans also provides consulting and advisory services in IT governance, IT operational audits and assessments, strategic and IT blueprint development for client's CXOs / senior management. This includes IT process mapping, enhancements and restructuring, resource allocation and role-based assignments, cost optimisation as well as software and hardware alignment according to client's current IT application and infrastructure requirements.

He has managed regional support and command centre services which includes the setting up of Security Operations Centres (SOC), application support services (ServiceDesk) according to ITIL process framework and client SLAs. Implementation of operational policies and standard operational procedures, organisational structuring, staff sourcing and development, as well as software and hardware infrastructure sourcing, commissioning and change management.



Maninder Singh Dhillon

Sales Administration Director

Started his carrier in International Trade Finance in the banking sector and further extended it with a French multinational company in the manufacturing sector. After nearly 15 years in international trade financing, he decided to pursue his goal as an entrepreneur and started his own IT company in 2009 with Hans Sibert specializing mainly in ERP software, Systems Integration and Management Consulting Services. During this time we have also ventured into other business opportunities like trading, logistics, business development, etc. for various other products and services that opportunities have put in our part, and working with many enterprising and dynamic individuals two of them being Brian Wong and Adrain Jerome.

Maninder has wide-ranging and extensive experience in managerial and strategic planning and project management from working in various sectors and subsectors including banking, manufacturing, logistics and scheduling, trading, and risk and credit management. He's time within the banking and manufacturing industries has given him sound domestic and international proficiency in international trade financing and remittance.

Maninder's experience also extends into project management in ERP system implementation and is focused on delivering value to clients, primarily in identifying risks and controls during the deployment of business IT solutions.

Maninder was also part of a global core project team that implemented the SAP ERP system for the French manufacturing company he was working with in Malaysia. He's experience and responsibility extended mainly in implementing sales administration, documentation, logistic business processes, customer credit evaluation processing and credit control functions within the SAP solution, covering all aspects from pre-study and requirements analysis, definition of global operating procedures, application development and project delivery within a full cycle implementation across multiple geographical regions and countries globally.

Maninder's expertise is focused mainly in managerial and strategic planning and project management, on delivering value to clients, primarily in identifying risks and controls during the deployment of projects.

Our Partners.

LP Group



Vladimir Glizer

Director and General Manager

Vladimir Glizer, an honors graduate from the State University of Telecommunications, entered the oceanarium industry in 2004 after partnering with Nicholas Triviss.

Their collaboration began with the construction of Russia's first oceanarium, Planet Neptune in St. Petersburg. Vladimir's expertise spans a wide range of fields, including greenhouses, aquariums, biomes, and parks. His significant contributions have been instrumental in shaping and popularizing public aquaristics in Russia.



Eugene Kushenko

Director of Operations

With over 30 years in the construction industry and more than 20 years specializing in biomes, aquariums, gardens, and greenhouse projects, Eugene Kushenko brings a wealth of technical and economic expertise to his work. He focuses on engineering and constructing exhibits featuring live organisms and plants, while also developing technological zones and operational systems.

Known for his professionalism, Eugene excels at bridging the gap between construction companies and specialized contractors. His deep understanding of the technical requirements for living environments ensures that all projects meet the highest standards. Eugene oversees the construction and operation of special systems essential to oceanariums, greenhouses, and biomes.

Central members of the BIOMe team

Sergey Ivanov

Chief engineer technologist. Design and construction of animal, fish and plants life support systems.

Andrey Berdnikov

Engineer. documentation, technical drawings Ekaterina Svetashova: Documentation, technical drawings.

Sergey Grishchenko

Chief Agronomist, specialist in outdoor and indoor plants of different regions.

Irina Kozlova

Agronomist, leading specialist on tropical and subtropical plants

Sergey Chubarov

Agronomist, leading specialist on aquatic plants

Andrey Oppolitov

Specialist in fish farming and creation of aquarium exhibits

Alexander Plyushchev

Senior aquarist, specialist in keeping and breeding of hydrobionts

Yuri Menshikov

Reptile specialist

Mikhail Khalturin

Hydrochemist, biologist.

Irina Bruy

Etymologist, insect specialist

Ekaterina Alekseeva

Veterinarian, ornithologist

Yulia Sozinova

Artist sculptor, decorator. Creation of thematic decorations

Dmitry Gorbatovsky

Technician decorator. Specialist in thematic decorations

Our work.

Since 1973 Aquamarine has been involved in many major developments across the world. Pioneers in the field, we have conceptualised, designed, constructed and managed over a 1000 projects. Here is a summary of our most recent projects.



2023-2025 | Aqaba Aquarium and Marine Science Hub
Aqaba, Jordan



2022 | Daejeon Expo Aquarium
Daejeon, South Korea



2018-2025 | Yaranga Botanical Garden
Kogalym, Russia



2013-2016 | Galactika Entertainment Center
Kogalym, Russia



2022-2025 | Museum of Russia
Kogalym, Russia



2006 | Primorsky Oceanarium
Vladivostok, Russia



2024 | Mambong Tourism Masterplan
Sarawak, Malaysia



2013 | National Aquarium of Malta
Malta



2023-2025 | NRG Residences
Kogalym, Russia



2014 | EMAAR Aquarium & Underwater Zoo
Istanbul, Turkey



2009 | Turkauzoo Aquarium (Sealife Istanbul)
Istanbul, Turkey



2020-2025 | Cadiz Oceanarium
Cadiz, Spain

Our work.



2020-2024 | Philosophers Stone Residences
Kogalym, Russia



2018 | VGP Marine Kingdom
Chennai, India



2007 | Chiang Mai Zoo Aquarium
Chiang Mai, Thailand



2012 | Sindok Aquarium
Wonson, North Korea



2018-2024 | Galactika Park
Kogalym, Russia



2006 | Neptune Aquarium
St Petersburg, Russia



2007 | Vinpearl Aquarium
Nga Trang, Vietnam



2012 | Eleven Times Square Aquarium
New York, U.S.A.



2013-2016 | Dubai Aquarium & Underwater Zoo
Dubai, U.A.E.



2013-2016 | Galactika Waterpark
Kogalym, Russia



2011 | Greater Cleveland Aquarium
Cleveland, U.S.A.



2016 | Galactika Aquarium
Western Siberia, Russia

Projects under construction (September 2024)

- 2024 Philosophers Stone Residences, Kogalym, Russia
- 2024 Museum of Russia, Kogalym, Russia
- 2024 NRG Residences, Kogalym, Russia

Current projects in development

- 2024 Mambong Tourism Masterplan, Sarawak, Malaysia
- 2024 Astrakhan Ice Center Russia
- 2024 Bangalore Zoo Aquarium Bangalore, India
- 2021–2026 Cartagena Aquarium Colombia
- 2023 - 2025 Cayman Islands Aquarium, Caribbean

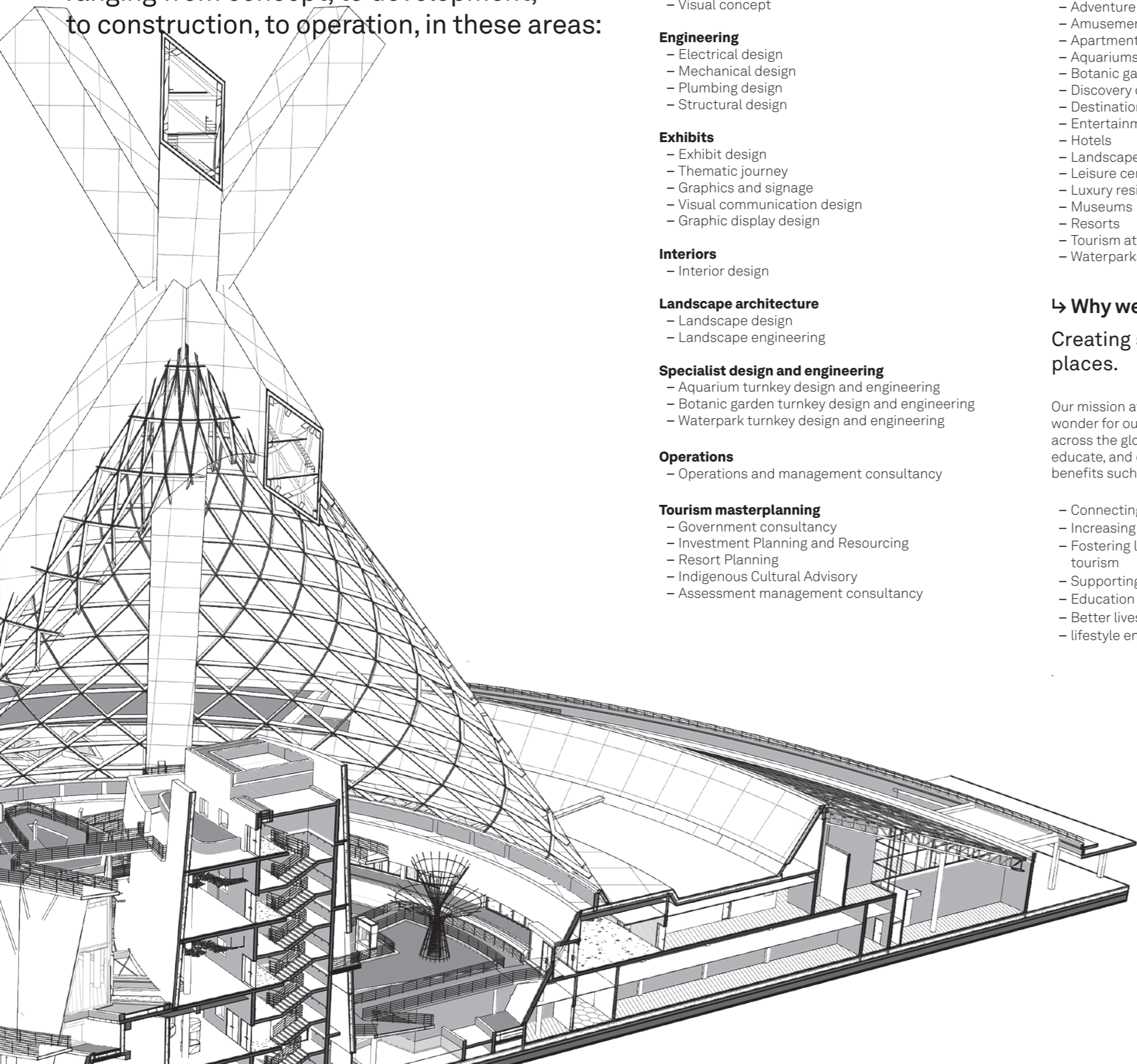
Past projects Conceptualized

- 2015 Blue Hotel Aquarium Incheon, South Korea
- 2018 Tauranga Aquarium Tauranga, New Zealand
- 2017 Stonefields Aquarium Auckland, New Zealand
- 2017 National Aquarium Napier, New Zealand
- 2020 Jesse's Jungle Childcare Monaco
- 2016 Itaipu Aquarium Itaipu, Paraguay
- 2020 Los Cabos Aquarium Los Cabos, Mexico
- 2020 Cancun Oceanarium Cancun, Mexico

- 2023 Tarapolewala Aquarium Mumbai, India
- 2017 Panama Aquarium Panama City, Panama
- 2017 Phuket Aquarium Phuket, Thailand
- 2012 Jomtien Aquarium Jomtien Beach, Thailand
- 2019 Bidong Island Park Kuala Terengganu, Malaysia
- 2015 Elephant Wildlife Park Kuala Lumpur, Malaysia
- 2014 Tiaf Childrens Center Tiaf, Saudi Arabia
- 2012 Port Huron Aquarium Port Huron, U.S.A.
- 2012 TAT Mall Aquarium Tehran

Our Services.

We offer turnkey specialist consulting services ranging from concept, to development, to construction, to operation, in these areas:



Architecture

- Architectural design
- Concept design
- Construction supervision
- Design supervision
- Project co-ordination

Branding

- Brand design and development
- Name generation
- Visual concept

Engineering

- Electrical design
- Mechanical design
- Plumbing design
- Structural design

Exhibits

- Exhibit design
- Thematic journey
- Graphics and signage
- Visual communication design
- Graphic display design

Interiors

- Interior design

Landscape architecture

- Landscape design
- Landscape engineering

Specialist design and engineering

- Aquarium turnkey design and engineering
- Botanic garden turnkey design and engineering
- Waterpark turnkey design and engineering

Operations

- Operations and management consultancy

Tourism masterplanning

- Government consultancy
- Investment Planning and Resourcing
- Resort Planning
- Indigenous Cultural Advisory
- Assessment management consultancy

↳ What we build

Bespoke solutions for unique locations. We create (and help operate) special spaces for people to live, work and play while thoughtfully incorporating the natural world.

- Adventure parks and playgrounds
- Amusement parks
- Apartments & living spaces (high rise and low rise)
- Aquariums & oceanariums
- Botanic gardens
- Discovery centers
- Destination projects
- Entertainment centers & malls
- Hotels
- Landscaped parks
- Leisure centers
- Luxury residences
- Museums
- Resorts
- Tourism attractions
- Waterparks

↳ Why we do it

Creating spaces that enrich lives and places.

Our mission at Aquamarine is to bring a love and wonder for our diverse natural environment to people across the globe, through immersive experiences that educate, and enhance lives. Our projects deliver many benefits such as:

- Connecting people and communities
- Increasing visitor well-being
- Fostering local growth through employment and tourism
- Supporting the environment
- Education and conservation initiatives
- Better lives through entertainment and lifestyle enjoyment

↳ Our philosophy

Our approach is informed by many years of experience and learnings made along the way. We adhere to strong principles and practices to ensure sustainable results and better outcomes for all involved.

Stay curious

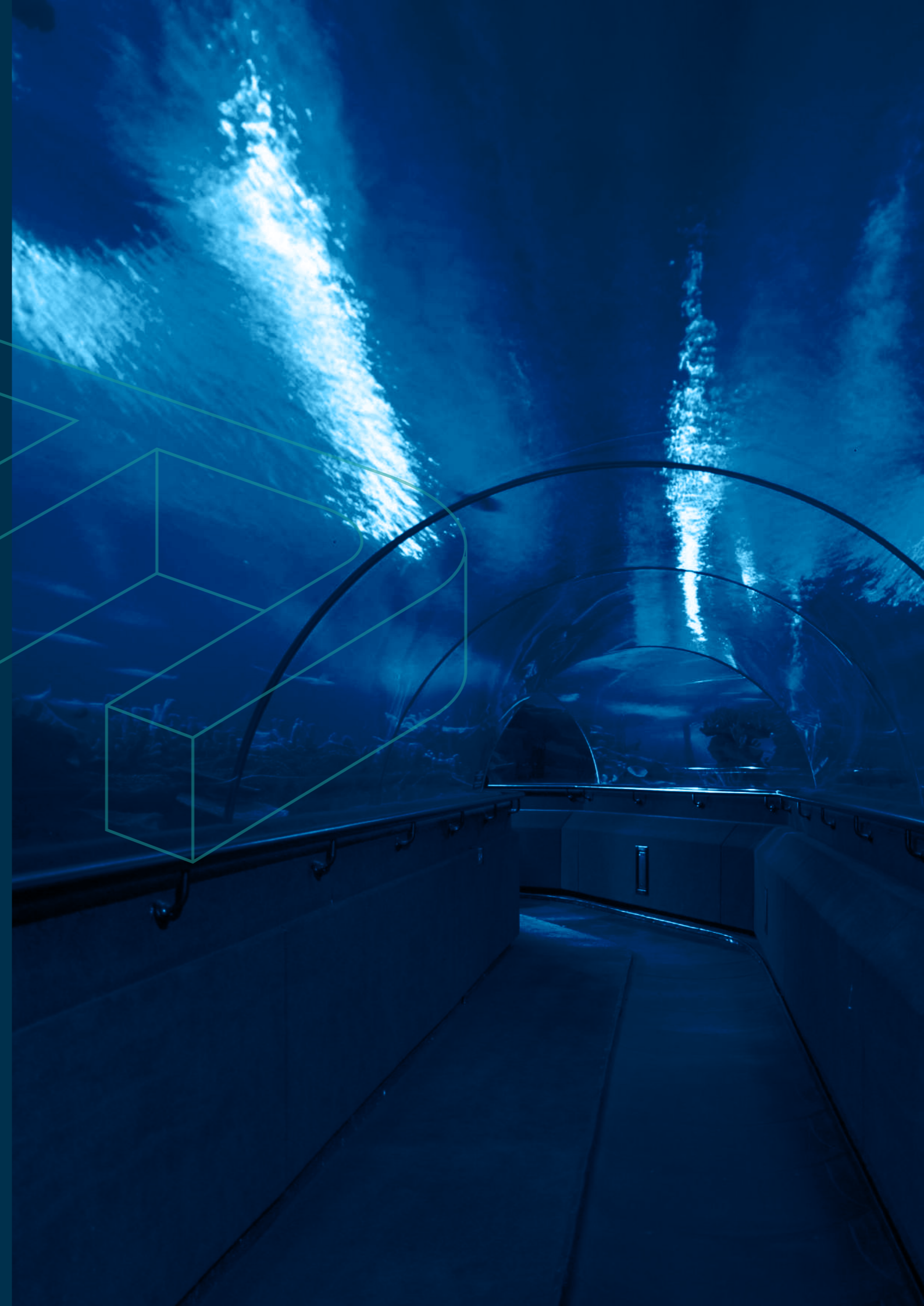
Every project and the people it serves is unique. We undertake significant research to understand full context, and the quality of our work is built on a deep understanding of how people live, how they like to be entertained, and how to deliver to this within a sustainable business model. Through personal observation, we immerse ourselves in each place we are designing for, and conduct detailed research into social, environmental, commercial, and political factors. Custom solutions are built from here.

Create connection

Our multi-disciplinary network of specialists spans the globe. Because we work all over the world, understanding and adapting to cultural and geographical diversity is central to our approach on every project, and we love the challenge. Collaborative practice and partnership with local communities, governments and investors is a core priority, with a focus on designing to create opportunities that improve people's lives, via employment, education, and entertainment. In every project, our aim is to create a unique asset that generates pride and ownership within the local community.

Honour nature

We are deeply passionate about the natural world. Sustainable practice and innovation is central to our approach and we believe it is vital for any business that hopes to succeed in the future. As part of this, environmental education is central in our entertainment developments, as is the well-being of any living species housed within them.



↳ Aquariums

↳ **One of the world's largest and most visually stunning aquariums, Dubai Aquarium and Underwater Zoo, was not seeing the visitation it deserved. We did something about it.**



Case study →

Dubai Aquarium and Underwater Zoo - Dubai, United Arab Emirates

In 2013 after a shared tender process during which we were invited to take over management, we began a management contract. We were tasked to increase visitation to the Aquarium, with a target set to achieve over 650,000 visitors per year.

Located in Dubai Shopping Mall, and despite an impressive viewing tank visible to most of the mall's 65 million annual shoppers, the underwater zoo was failing to convert these into paying customers to the main aquarium, which was upstairs and out of sight.

To begin, we undertook a comprehensive review of the overall structure and customer experience. Establishing that accessibility was an issue, we shifted the queuing and ticketing function to sit by the large viewing tank, creating a visible and accessible entrance, inviting people into the main upstairs attraction.

Along with improving and adding several exhibits, we also rationalized the customer journey. Leading people in a route around the main viewing window, through the tunnel, then upstairs through the main exhibits to exit via a gift shop, we created a pathway that built continuity through the experience and provided a sense of discovery.

Crucially, we also played a role in helping to improve the well-being of fish in the aquarium, bringing the necessary knowledge and practice to enhance the tank habitats, and decrease fish mortality in the process.

Within the first year of completing works, aquarium visitation increased to 1.2 million, well above client expectations.

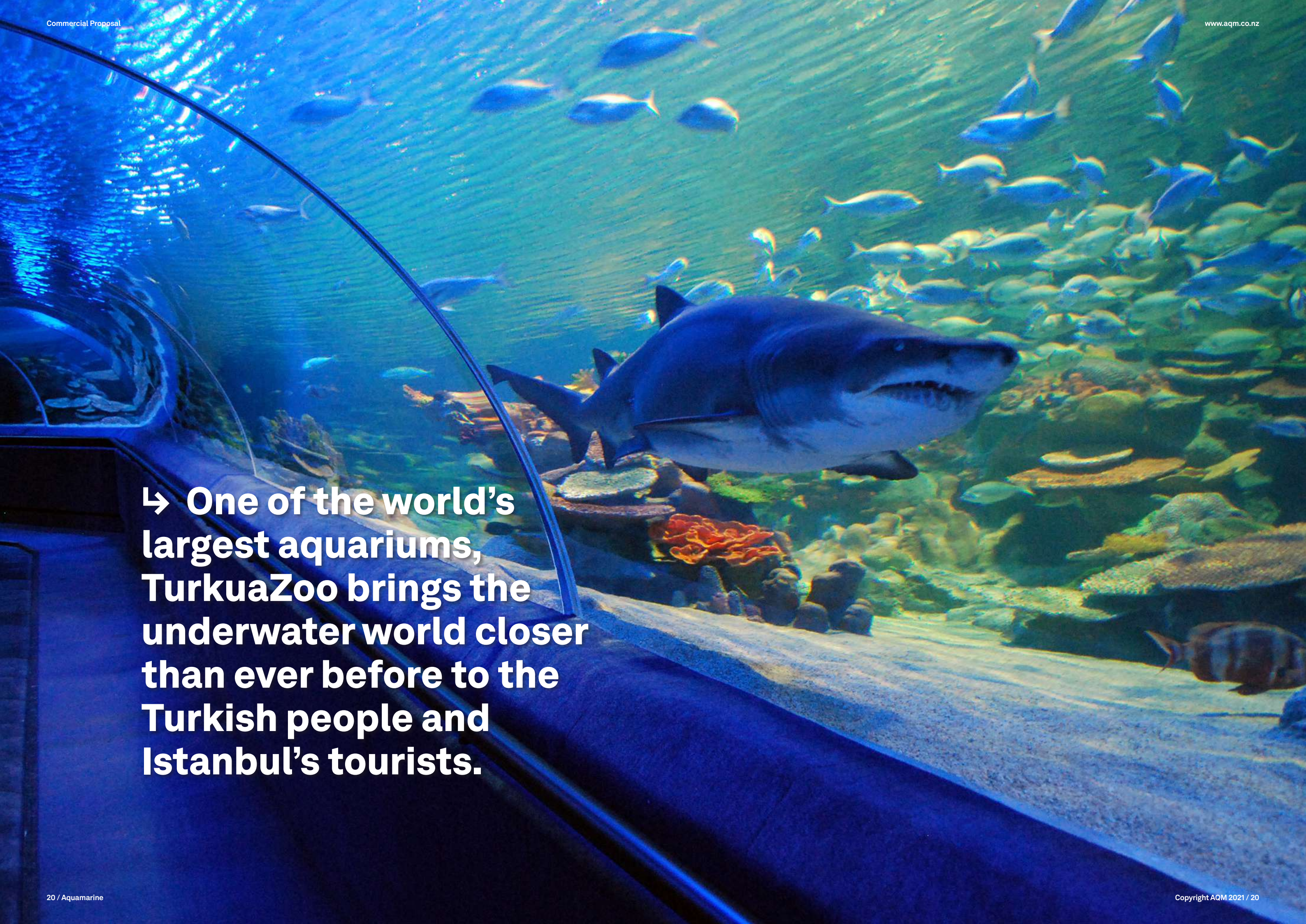
Following this success, our services were once again enlisted by EMAAR in 2018. Appointed to implement a revised marketing plan, we were tasked to ensure that potential visitors, domestic and international, are aware of the aquarium, instill a desire to come to Dubai and make Dubai Mall and the aquarium a "must-see" when they do visit the city.

Aquamarine integrated this plan with existing marketing of the Dubai Mall Aquarium, Dubai Mall and Dubai Tourism Vision 2020.

This project was the start of a collaborative consulting partnership with EMAAR, leading to our appointment to design the EMAAR Aquarium and Underwater Zoo in Istanbul.

Annual visitors: 1,100,000
Increase in visitation: 103.7%
Above client expectations: 69.2%



A large shark is swimming in an aquarium tank, surrounded by many smaller fish and coral. The tank is viewed through a curved glass barrier. The water is clear and blue, with sunlight filtering through from above. The shark is the central focus, swimming towards the right. The background is filled with a large school of smaller fish and various types of coral on the tank floor.

↳ One of the world's largest aquariums, TurkuaZoo brings the underwater world closer than ever before to the Turkish people and Istanbul's tourists.

Case study →

Turkuazoo - Istanbul Aquarium

A stalwart for marine conservation and tourism, Turkey's first public aquarium continues to inspire with underground wonder. It is now Sea Life Istanbul Aquarium, which is owned by Merlin Entertainments Group.

Set over 8,500 m² within the Forum Istanbul Shopping Mall, TurkuaZoo's two-story underground aquarium has continued to be a major attraction for Istanbul since its opening in 2009. A pioneering feat in the Turkish market, TurkuaZoo has since earned 'Superbrand' status from the Superbrands Council of Turkey in 2012 and a 'Certificate of Excellence' by TripAdvisor in 2013.

One of the world's largest aquariums, TurkuaZoo brings the underwater world closer than ever before to the Turkish people and Istanbul's tourists.

With 7 million litres of water housing over 15,000 sea creatures from 1,000 different species, we designed TurkuaZoo's 21 thematic zones to offer a comprehensive ocean experience from the seashore to the seabed. With differing sea environments accurately replicated, visitors can be transported between the likes of the deep Mediterranean, tropical reefs, shipwrecks, and the rainforest.

Total building area: 8,500 m²

Program: 15 months

Exhibits: 32

With over 40 exhibits visitors can marvel at Europe's largest collection of sharks, be educated about marine conservation efforts at a turtle rehabilitation facility or partake in sensory play at the rockpool display.

Unique to TurkuaZoo is its 83-meter long conveyor we developed that transports visitors through the longest underwater tunnel in Europe. Benefiting from 270-degree panoramic viewing, visitors receive an unprecedented underwater journey along the ocean floor and beneath some of the oceans most awe-inspiring creatures that swim overhead.

With many other activities such as fish feeding and diving with sharks, TurkuaZoo is a family-friendly experience that is fun for kids as well as adults.

Within its first 5 months of operation, TurkuaZoo welcomed over 500,000 people through its doors. Acquired by the Merlin Entertainment Group in 2013, TurkuaZoo has since transitioned to the SEA LIFE brand, now officially SEA LIFE Istanbul Aquarium.

With continued success, Merlin Entertainment have reported that there have been 60 million visitors to the aquarium since its opening in 2009.





↳ **India's first major public aquarium, VGP Marine Kingdom, is setting a new national standard for entertainment and conservation education.**



Case study →

VGP Marine Kingdom — Chennai, India

Starting with India's first and largest amusement park, VGP Universal Kingdom, VGP's portfolio has grown to include water and snow parks within a flourishing entertainment industry. With demand growing for new attractions by the domestic tourism market and seeing the opportunity for something that was previously only experienced by those travelling abroad, VGP Marine Kingdom was conceived.

Working with Marinescape, a long-time member of the Aquarium industry, we undertook the roles of Project Architecture, Interior Design, and thematic journey design. Starting in 2012, we began an exacting process, exploring several concept designs before a final approach was selected and commissioned – ensuring a world-standard experience for Chennai's new destination.

With design adhering to a storyline that we created in conjunction with Marinescape, the resulting development achieves an immersive and entertaining space designed to the highest standard in ecosystem reproduction with combined education and sustainability programme offerings.

Covering 7,500 square meters, VGP Marine Kingdom is split over three levels and five different thematic zones, each representing and containing a connected ecosystem – mangroves, coastal zones, deep ocean habitats, freshwater ecosystems from rainforests, and gorges.

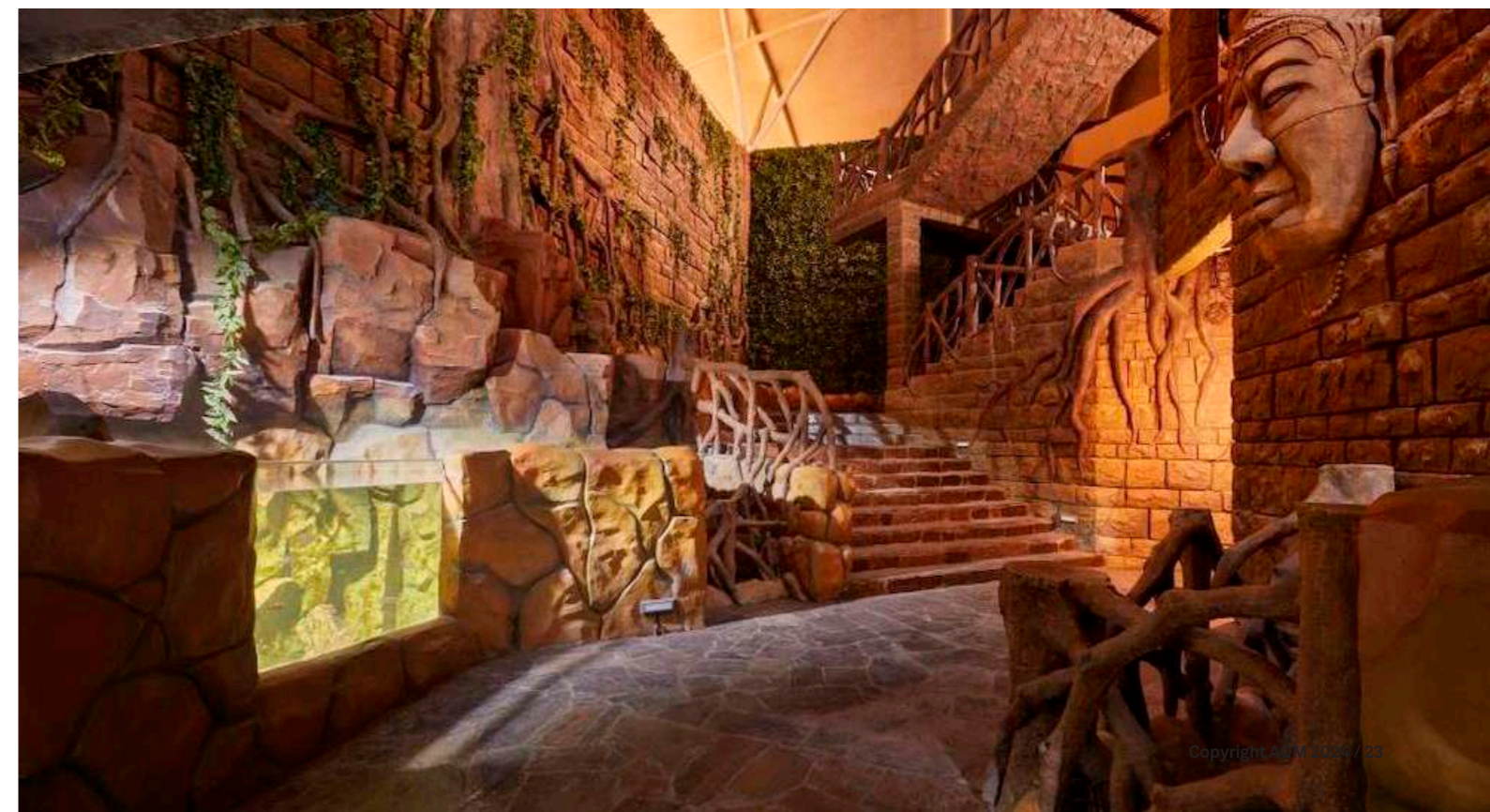
Total building area: 7,500 m²
Total volume of tanks: 3,395 m³
Tunnel length: 70 m
Program: 16 months
Exhibits: 30



A total of 35 exhibits and a 70-meter-long underground tunnel with panoramic views offers a fully immersive experience where guests can experience the over 150 species that are housed there.

Featuring a diving school, exhibition and dining spaces, nature-interactive experiences and educational opportunities, VGP Marine Kingdom offers something for all guests.

As India's first major commercial public aquarium, this was an exciting milestone for the Aquarium community and citizens of India too. It paved the way for other aquarium projects to begin in the nation, such as the new Gujarat Oceanarium in Ahmedabad.



↳ Set within a building inspired by the natural forms and structures found along the Gujarat coast, we were tasked to provide the environmental theming for the Gujarat Science City Aquatics Gallery.



Case study →

Aquatika Aquarium

— Western Siberia, Russia

We brought the ocean and vibrant coral reefs to the harsh environment in Siberia.

Aquatika Aquarium is a world-class aquarium, with the longest underwater tunnel in Eastern Europe. It presents an underwater tunnel exploring the open ocean sea. Sharks, turtles, stingrays and thousands of vibrant tropical fish.

Featuring five zones; Rainforest, Tropical Coast, Coral Reef, open ocean and the Russian Rivers.

Aquatika” has world class oceanarium with a tunnel which allows visitors to take a realistic but safe walk on the bottom of the sea watching at the ocean inhabitants - sharks, rays and other wonderful creatures.

The live theater will tell you about the life of underwater inhabitants from various places on Earth, living under expanse of rivers, lakes and oceans.

The education program is extensive, and it makes the visitor see the complex and fragile ecological system

- Total building area: 7,800 m²
- Tunnel length: 61m
- Total volume of all tanks: 4,000 m³
- Exhibits: 28



that brings an understanding of the seriousness of problems related to preservation of nature, rivers, oceans, protecting them from pollution and aggressive fishery.



↳ **A new experience awaits visitors to EMAAR Aquarium and Underwater Zoo, enticing locals and international visitors alike.**





Case study →

Case study →

EMAAR Aquarium and Underwater Zoo - Istanbul, Turkey

Following our successful management of their Dubai Aquarium and Underwater Zoo, EMAAR enlisted our services to design a discovery centre within the EMAAR Square Mall, a trophy asset within the larger EMAAR Square development, which is a master-planned neighbourhood in the Anatolian part of Istanbul – EMAAR’s most ambitious project to date in Turkey.

Briefed to create a world class Discovery Center that would successfully compete “head-to-head” with other aquarium attractions in Istanbul, our resulting design needed to work harmoniously with the other entertainment options housed within the mall and its surroundings.

With a total area of 6,250 square meters spread over three levels in the mall space, we had plenty of space to achieve an experience that would meet the expectations of the mall’s millions of local and international guests, who have come to experience world-class shopping, leisure and entertainment.

The resulting design brings together contemporary aesthetics with traditional architectural proportions to create an environment that is friendly to its visitors. Implementing the latest technology and advances in the aquarium industry, we were able to create breathtaking exhibits that reflect the beauty and wonders of our

Total building area: 6,250 m²
Tunnel length: 60m
Program: 10 months
Exhibits: 38



natural world.

Split into 7 different thematic sections, guests can take an unforgettable journey through oceans, rivers, and jungles as they observe more than 20,000 marine animals and amphibians from more than 200 species.

Featuring rocky shores, forest, rivers and falls, we created a large crocodile enclosure and jungle zone as the point of difference for excited guests.

Redesigned as an Aquarium and Underwater Zoo to fit within EMAAR’s existing portfolio in Dubai, the resulting entertainment destination launched in early 2017 to great fanfare, on schedule and budget.



↳ **Breaking new ground, this project sets a new standard for public aquariums in South Korea.**





Case study →

Daejeon Aquarium — Daejeon, South Korea

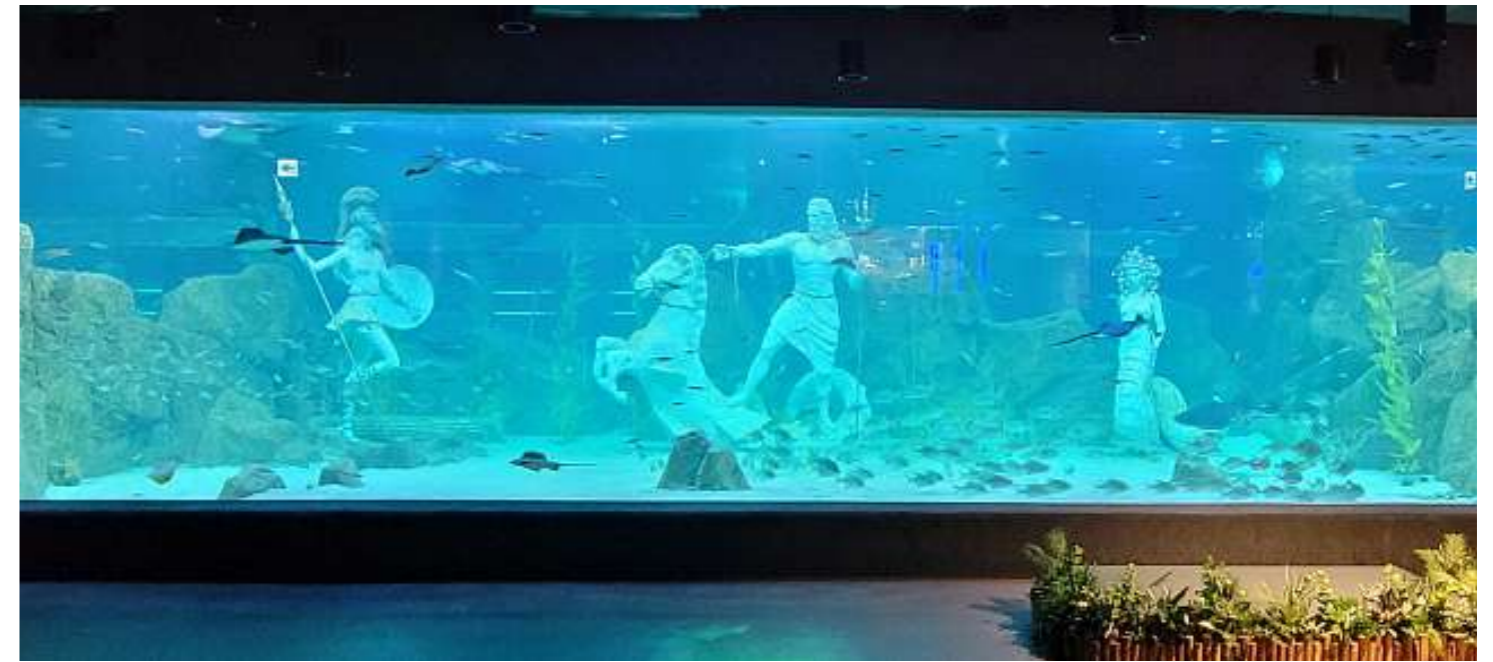
Spread over 6,362 square meters in the Shinsegae owned Daejeon Expo Science Complex, the Daejeon Aquarium is a major attraction for Daejeon.

Occupying two floors, and with an entrance from the ground floor level to the exhibit level transiting through an aquarium tank, this will be unlike any other aquarium in South Korea.

Daejeon Aquarium's seven different thematic zones offer a comprehensive experience from rainforest to river delta to the abyssal depths. With differing environments accurately replicated, visitors can be transported between the likes of the Amazon rainforest, Mekong Delta, Korean coast, kelp forest, and deep ocean.

A 94-meter-long underwater tunnel with panoramic views offers a fully immersive experience as visitors' journey through the predator zone, into the kelp forest, and finally

Total building area: 6,362 m²
 Tunnel length: 94m
 Total volume of panorama tank: 1,660 m³
 Volume of main tank: 3,550 m³



into the pelagic zone.

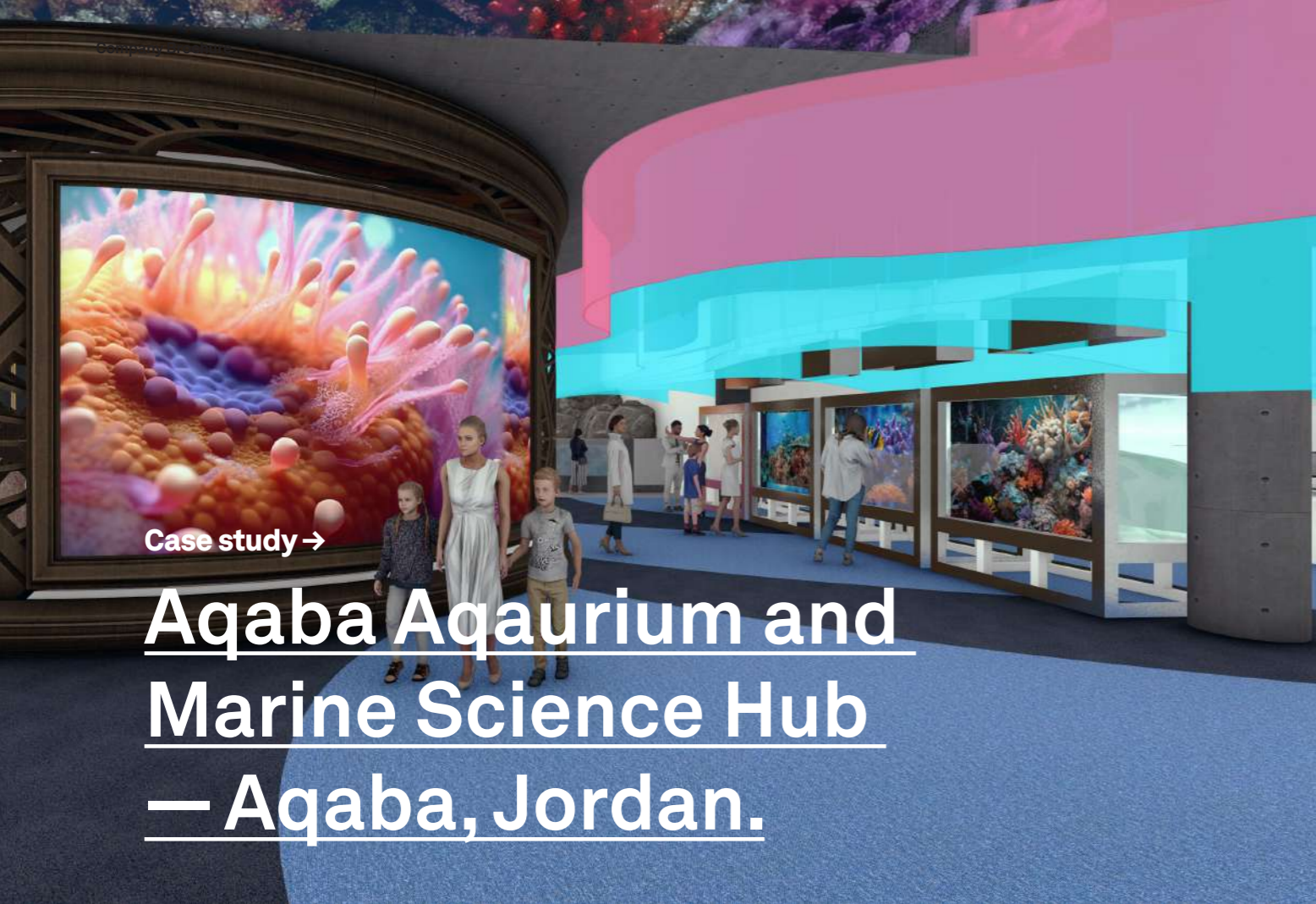
Featuring the world first predator tank, visitors are offered a 360° view of the world's predator species such as trevally, snapper, yellowtail kingfish, giant grouper, bronze whaler sharks, hammerhead sharks, sunfish, tuna, mahi-mahi, pilot fish, remoras, giant barracuda, moonfish and batfish.

Daejeon Aquarium will serve as an important learning centre for the study of marine life and biology with aquaculture rehabilitation, coral reef research, and a coastal ecology development program.



↳ Winning tender for the National Aquarium of Jordan.





Case study →

Aqaba Aquarium and Marine Science Hub — Aqaba, Jordan.

In June 2020, King Abdulla II authorized the designation of the Aqaba Marine Reserve as a National Marine Protected Area due to its vital coral reef ecosystems, renowned for their diversity.

Unlike many reefs affected by climate change, the Aqaba reefs demonstrate remarkable resilience to warming waters. While global coral reefs face bleaching and degradation, Aqaba's reefs stand out as a potential model for restoration projects. The proposed Aqaba Marine Park comprises the Marine Reserve, a Science Hub, and a public Aquarium, synergistically supporting ecological research, climate change understanding, and a conservation-oriented marine economy. This restorative "blue economy" aims to fund conservation efforts, create jobs, and attract researchers and investors. The Aquarium, a tourist attraction, contributes to the economy while showcasing the Gulf's marine ecosystems. The project also addresses Jordan's water crisis through research on sustainable desalination and explores marine industries like oyster and seaweed farming. The project's objectives include conserving coral reefs, pioneering climate and biodiversity solutions, promoting sustainable marine industries, and engaging people in marine protection.

The project aims to:

Total building area: 17,000 m²

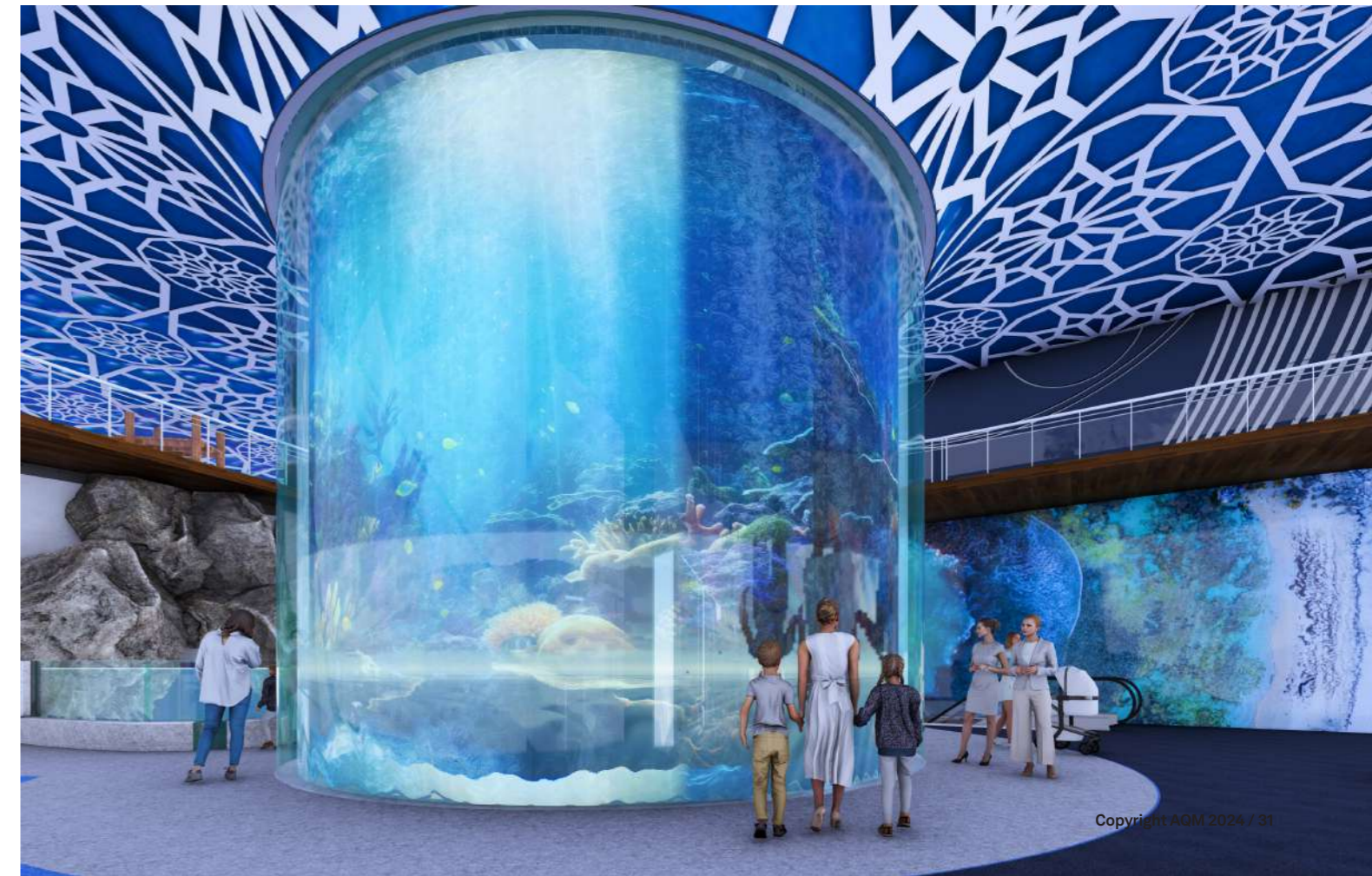


(a) Underpin and promote the conservation, sustainable use and restoration of the Gulf's coral reef ecosystems and support coral reef restoration world-wide.

(d) Enable Jordanians and international tourists to have an exciting, immersive experience of the marine world and encourage them to get engaged in its long-term protection.

(b) Provide an international research hub to pioneer science-based solutions to the global problems of climate change, biodiversity decline, water poverty and other major threats to marine environments.

(c) Facilitate the development of sustainable and restorative marine-based products and industries.





↳ Biomes and parks



↳ Exploring how to bring a botanical garden to life in this remote sub-arctic landscape, and the challenges of building in this environment, we knew we needed to develop something special and truly unique.



Case study →

Yaranga Gardens Kogalym, Russia

In progress. Completion due 2024.

Yaranga Gardens started off with a single phone call. One hand-drawn sketch and an email later, the project was in full swing. Taking full advantage of strong trust and a collaborative relationship with our client, we were able to move things very quickly, sharing ideas informally with agile response and open dialogue.

Yet the strictest rigour was still applied before moving concepts forward. While operational manuals may seem at first like something that belongs further into the process, we see it as a crucial step in the early concept phase. Understanding operational intentions deeply informs concept and design. Considerations as granular as staffing numbers, intended capacity and activities to be included are all interdependent, affecting everything from concept feasibility to architectural design and everything in between. When designing an environment that holds a myriad of living creatures, it becomes all the more important, requiring conversations with aquarists, biologists, curators and other experts as early in the project as possible to ensure the well-being of all life within is front and centre.

Proper preparation is vital to ensure the speed at which a project can become fully operational (and thus profitable). It is also vital to avoid failure in the duty of care for wildlife, which is an ethical responsibility in developing any natural habitat display.

Design and engineering

Not simply architectural, for entertainment destinations, design and engineering have many facets to consider. From visitor journey creation and storytelling, to materials and structural elements, to environmental requirements to support living habitats, all of this is developed within the parameters of the overall concept and intention. A project thrives when the partners we engage bring the same level of enthusiasm for innovation to the table that we do.

- Total Building Area: 20,000 m²
- Plant species: 400+
- Reptile species: 16
- Insect and mollusk species: 15
- Amphibian species: 8
- Bird species: 7

Services

Developed design

The Preliminary Design is refined, ideas are tested, and the shape of the final design is. We will make recommendations for the design of details, and the use of materials, that reinforce the vision for the project.

We think about priorities in terms of time, quality, and cost. While it is difficult to predict the final cost of a building, we identify all potential costs and will form an estimate based on that knowledge.

At the conclusion of Developed Design, the building is sufficiently defined to give a clear understanding of the scope of work, costs and the architectural look and feel.

Detailed design

We prepare detailed working drawings, specifications and other documents for pricing, construction & compliance purposes. This includes construction details, materials, components, systems, and finishes.

This advances the design of the project to a level of detail that allows a construction contractor to assess the full scope of the project, and so that all parties can understand how the components of the project come together.

This documentation forms the basis for tendering and negotiation with a construction contractor

Our thorough documentation ensures a high quality of work and allows us to maintain control over costs and design outcomes during construction.

Specialty engineering

Our construction drawings are more than just blueprints, they detail every step of the building process – from cost estimating to energy consumption.



↳ **Aspiring to be the social heart of the Kogalym community, Galactika Park will connect inhabitants to core entertainment, well-being, and shopping facilities, as well as each other.**



Case study →

Galactika Park Kogalym, Russia

In progress. Completion due 2023.



Set to open in 2023, we can't wait to see this vision brought to life.

Galactika Park is the product of a design-led approach. Drawing together engineering, ecology, community, and cultural values, we have proposed a significant new public open space. Underpinned by a strong sense of place and informed by inherent cultural values, Galactika Park is set to be a park for the people.

In an ongoing effort to build a stronger hub for the Kogalym community, we are collaborating with Lukoil to make this ambitious public space a reality.

At its core, Galactika Park will provide a physical link between key attractions and experiences within the vicinity, sitting between Galactika Sports and Cultural Complex and Yaranga Botanical Gardens. With pathways and greenbelts granting public access and leading people from one facility to the other, the time and space experienced between the two sites naturally called for something more.

The concept has resultantly evolved to include

Total Building Area: 242,083 m²

Lawn area: 129,197 m²

Trees planted: 7000+

amenities that encourage community, recreation, connection, and relaxation. Incorporating walkways, sports grounds, playgrounds and gardens, the park will adapt to the season. With walkways giving way to skiing and ice skating and slides giving way to sledges, it will be enjoyed all year round.

Central to the park is an amphitheatre where the public can organize open-air cinema, theatre performances, plays and other events. With the ability to accommodate a 20-meter Christmas tree, the amphitheatre will allow the community to come together and celebrate traditional state and regional holidays.

In our concept exploration, we found a natural affinity with the three overlapping philosophies of Japanese garden design: Shin, Gyo, and So. Shin refers to the use of human-made materials and orderliness, So relates to materials left in their original state and Gyo is a combination of both.

Our resulting design adhered to these principles, shaping our design considerations as we balanced the relationship between the natural and built environments to successfully achieve a fine balance between people and place.

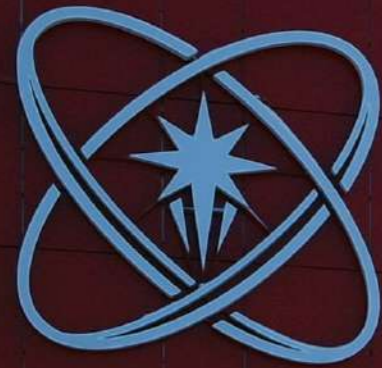
A core consideration has been the selection of suitable plants to withstand the Siberian climate. With average temperatures ranging from 30°C in the peak of summer to -45°C in the depths of winter, we knew our flora range selection had to not only meet the vision but also hold up with shifts between the seasons.

To cope with the dramatic variation of the Siberian climate the park will feature extensive planting of native plants from the entire Siberian Plateau, including planting the main lawn area with reindeer lichen.



↳ Family entertainment





ГАЛАКТИКА

↳ Building a stronger hub for the Kogalym community, Galactika Sports and Cultural Complex offers locals opportunities for connection, recreation and learning.





Case study →
Galactika
Kogalym, Russia

Our largest project to date, the Galactika Family Entertainment Centre in Kogalym, Russian Federation, offered up many challenges during construction. Not least, creating tropical habitats in a sub-arctic climate and ensuring safe and smooth delivery of living creatures into a relatively remote region of the world far from their typical environments

Among the eventful experiences of the project, was our first site visit made at a frosty -47° – a telling sign of the conditions in which construction would take place. We worked closely with our main contractors, and had supervisors on the ground on-location, enabling us to advise on and resolve issues promptly.

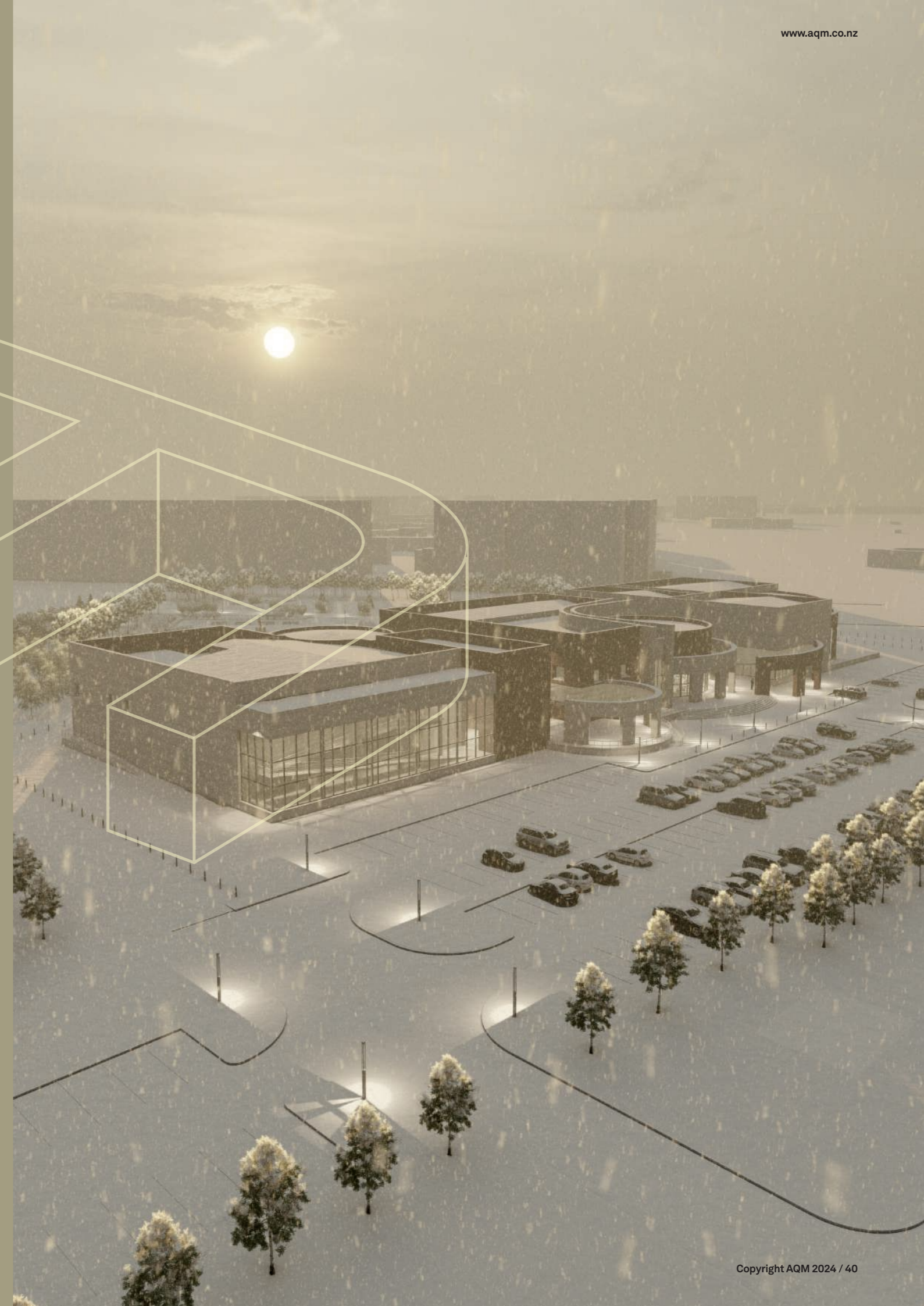
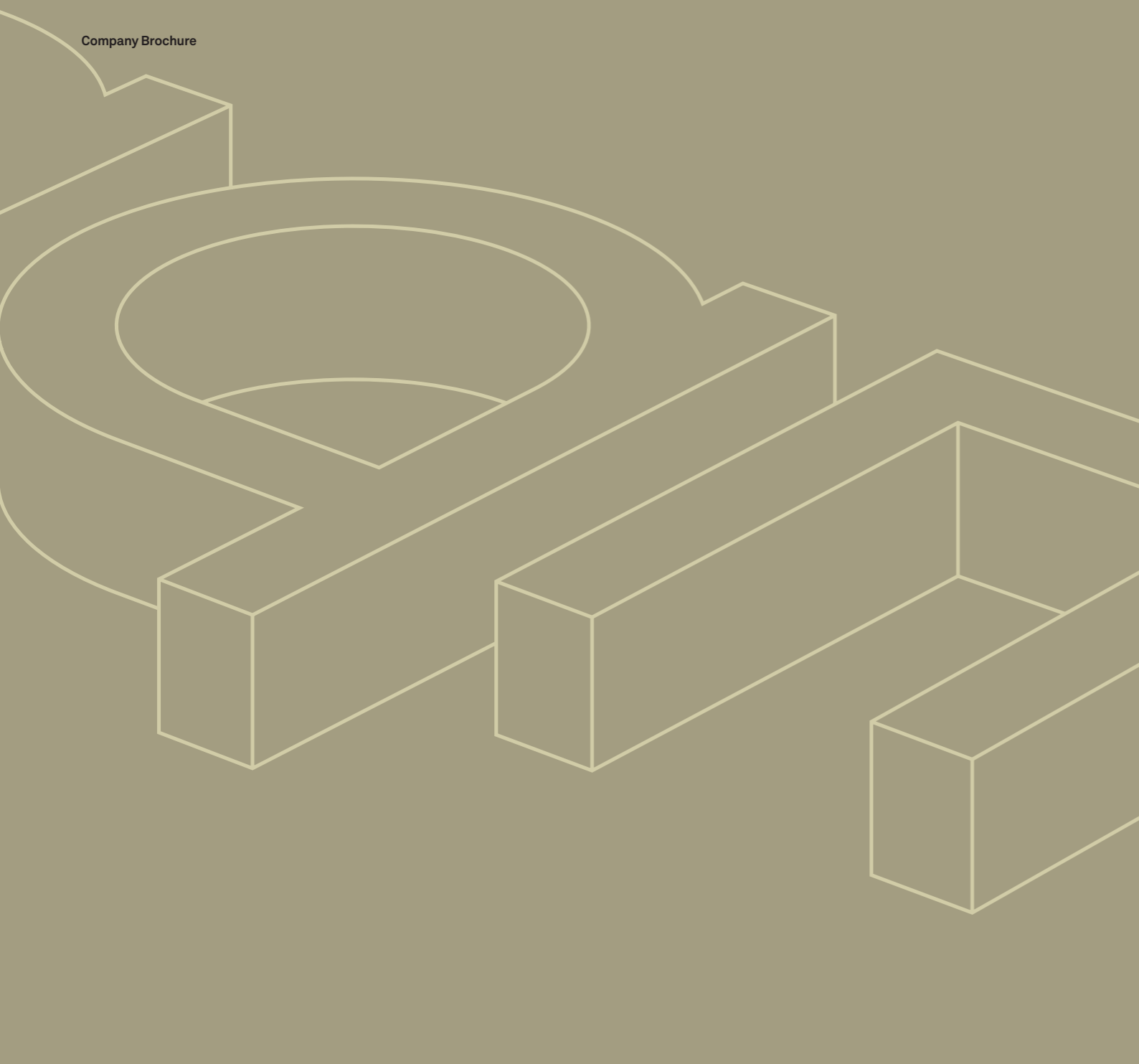
Long-term commitment is part of our approach – and a complimentary audit at Galactika three years after completion ensured we could not only uncover and correct any defects, but that we learn from each process and ensure confidence in results.

Operations

Where all the hard work of good feasibility planning comes to fruition. Successful operational management of an entertainment centre is a complex equation of elements, from back of house functions, systems and processes, ticketing and productisation, to staffing considerations and the visitor experience, to visual design, flow and utilisation of a space. With living habitats added to the mix, animal well-being and mortality rates are crucial considerations. With so much to think about, this is why end-to-end planning is crucial from the very first stage of any concept. Fortunately, operational success is not a 'lock and leave' function – and we see it as something that can be continually reviewed, improved and optimised – particularly as situations and contexts shift and change in the surrounding environment and community.

Total Building Area: 38,000 m²
 Visitors Per Week: 15,500
 Retail Shops: 39
 Entertainment Attractions: 14
 Program: 36 months





↳ Museums



↳ **These buildings are made from interconnecting masses that are geometrically contrasting, yet once brought together they create a beauty out of blended shapes.**



Case study →
Kogalym Museum
Kogalym, Russia

In progress. Completion due 2023.

These buildings are made from interconnecting masses that are geometrically contrasting, yet once brought together they create a beauty out of blended shapes.

The building geometry is similar to the content of Museums; many different subjects from art, economy, geology, culture, teach the visitor about how important a collective knowledge is to humanity.

The Museum Complex has three main parts, the Russian State Museum, a Coin Museum and the Lukoil Museum.

Russia State Museum

The Russian State Museum will display works of art that can provide glimpses into the changing character of Russia through the centuries - a window into the culture of Russia through the carefully curated objects and works of art.

All types, genres, trends and schools of Russian art from the fifteenth to the twenty first century will be represented. This could include works ranging from icons inspired by the Byzantine tradition to the socialist realism of the Soviet era through to contemporary art.

These works will represent the rich Russian artistic legacy, with worldwide and well-known names of Russian and Soviet art, and will focus on the varied historical and cultural influences that have contributed to Russian art and its development as

culturally rich, visually engaging, and emotionally compelling.

Coin Museum

Coins give us an insight into history from the 1st millennium BC through to the present day. They reflect every part of the world. They make connections between what's happening locally, nationally and globally. They allow us to tell stories about civic pride or national identity, about the rise and destruction of empires, about the movement of people, and about faith and belief.

The museum will offer visitors unique insights into art, history and material culture and encourage them to make discoveries about the diversity and the commonality of the world through a narrative approach.

The museum will pioneer different ways to engage

- Total Building Area: 9,000 m²
- Number of Museums in the Complex: 5
- Features: Coin Museum, Planetarium, Auditorium for 200 Pax. Coin Museum Administration, Lukoil Discovery, Ticketing for Lukoil Museum, Russian State Museum, Art Gallery, Education Center, Café



its audiences, offering them innovative experiences and a deeper understanding of the universal themes presented in the galleries.

Lukoil Museum

The museum will highlight the history, technology and progress of LUKOIL and allow its visitors to explore the history and development of the oil industry in Western Siberia.

Visitors will be able to explore the world of petroleum science from the formation of oil to the geology surrounding it, and will leave with a knowledge and understanding of the contribution the local oil industries have made to the heritage of the Khanty-Mansi area.

The displays will enable visitors to explore the region's natural, geological and human stories through pictures of people, landscapes and maps, numerous contemporary tools and devices from the oil fields.





↳ Residential

↳ The “first of a kind” for Kogalym, Philosopher’s Stone Apartments pave the way for high-rise development and modern liveability within the area.





Case study →
Philosopher's Stone
Kogalym, Russia

In progress. Completion due 2025.

These apartments commissioned by Lukoil propose a mixture of residential, commercial, and social infrastructure all within one development. A first in terms of this construction and design theory within Kogalym, Philosopher's Stone Apartments complement other progressive projects we have undertaken with this client for the local community.

We have taken our inspiration from the shapes of the squared circle, the symbol of the fabled Philosopher's Stone - triangle, circle and square.

The Philosopher's Stone Apartments respond to the changing social context of Kogalym, providing future-proofed housing that meets the needs of both current and subsequent generations. Applying modern design principles throughout the development, we can improve liveability through enhanced internal and external apartment amenity, contributing to positive living environments and resident well-being.

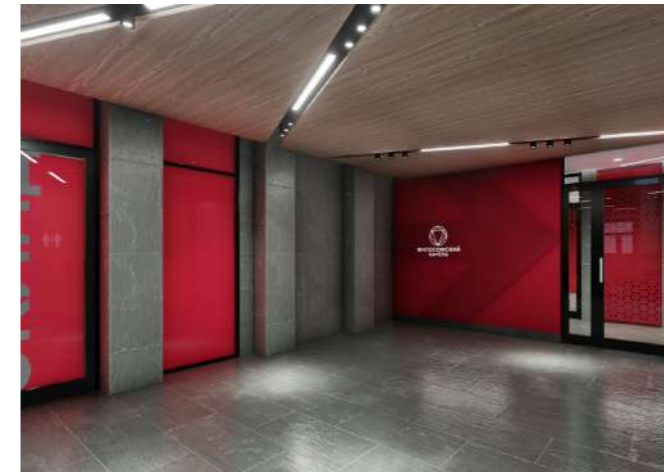
Total Building Area: 71,037 m²
 Apartments: 540
 Commercial spaces: 9,354 m²

Throughout the apartment's three blocks, we have proposed a mixture of apartment sizes to facilitate greater choice for Kogalym's different demographics, living needs and household budgets.

The project also contains a Children's Medical Clinic and a Smart Library for the Residents of the City of Kogalym.

We hope to generate social dynamism through the creation of different types of communal spaces for a broad range of people, providing opportunities for social interaction amongst the residents of the buildings.

With the initial concept design approved and Technical Design soon underway, we are looking forward to seeing this progressive project come to life in Kogalym.



↳ Designed in the shape of the LUKoil logo, these apartments commissioned by their namesake propose a mixture of residential, commercial, and social infrastructure all within one development.



Case study →
LUKoil Apartments
Kogalym, Russia

In progress. Completion due 2024.

Inspired by Russian Cubism and the industrial styles of the shapes and lines found in this art movement, LUKoil Apartments complement Kogalym’s surrounding landscape.

LUKoil Apartments development responds to the changing social context of Kogalym, providing future-proofed housing that meets the needs of both current and subsequent generations. Applying modern design principles throughout the development, we can improve livability through enhanced internal and external apartment amenity, contributing to positive living environments and resident well-being.

Throughout the apartment’s three blocks, we have proposed a mixture of apartment sizes to facilitate greater choice for Kogalym’s different demographics, living needs and household

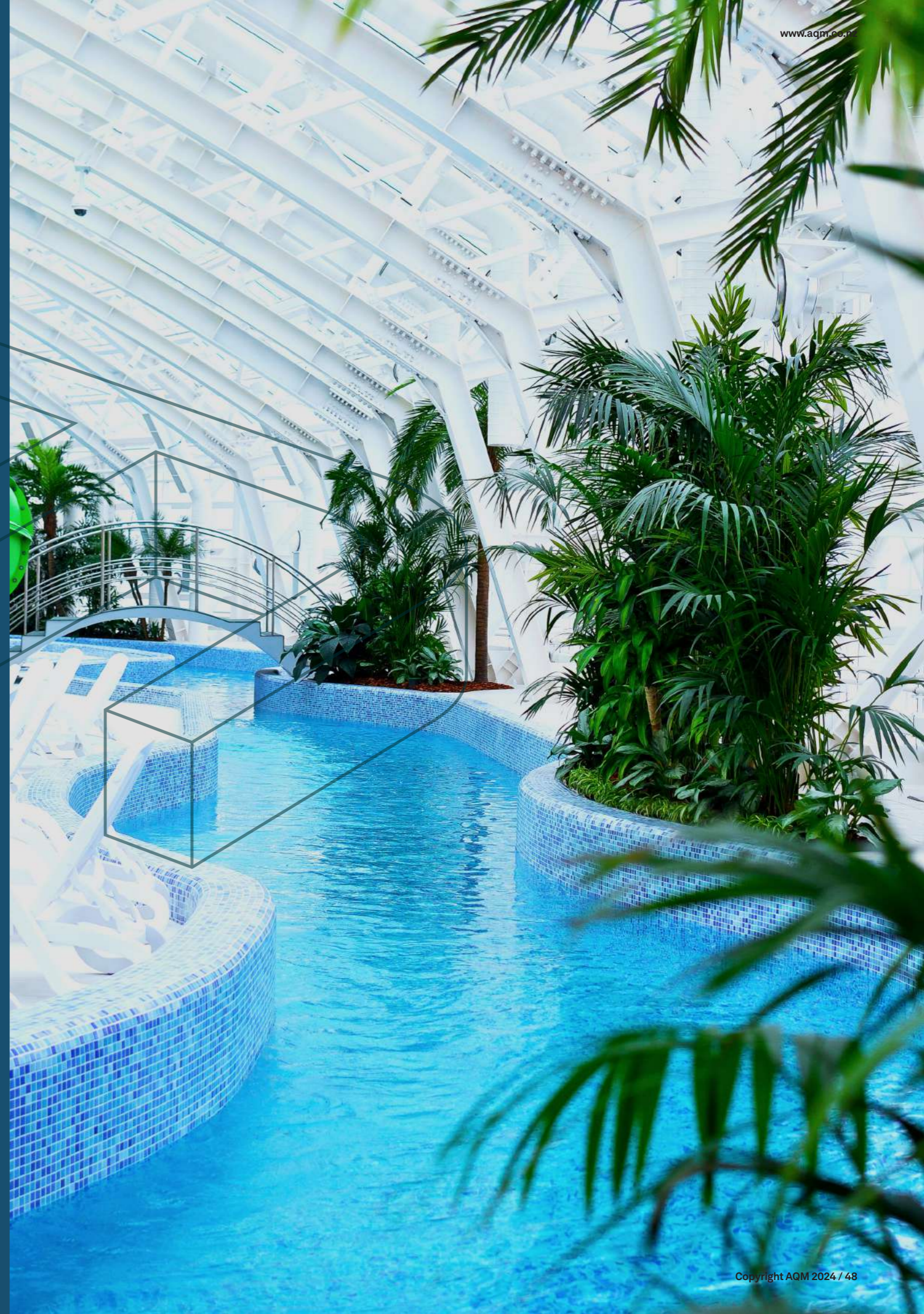
budgets. We hope to generate social dynamism through the creation of different types of communal spaces for a broad range of people, providing opportunities for social interaction amongst the residents of the buildings.

With initial concept design approved and Technical Design soon underway, we are looking forward to seeing this progressive project come to life in Kogalym.

- Total Building Area: 56,456 m²
- Apartments: 338
- Commercial spaces: 3,415 m²
- Teen and youth center: 5,500 m²



↳ Waterparks





↳ Bringing a tropical aqua experience to Kogalym's subarctic climate, Galactika Waterpark allows locals and visitors to enjoy water activities all year round.



Case study →

Galactika Waterpark

Western Siberia, Russia

Completed 2016.

Inviting both locals and visitors to engage in recreational swimming, exercise, leisure and fun, Galactika Waterpark has something for the whole family. Through enhanced internal and external apartment amenity, contributing to positive living environments and resident well-being.

Central to the Galactika Sports and Entertainment development, Galactika Waterpark is housed in a large heated indoor atrium enclosed by 6,500 square meters of glass. A barrier to the external environment, the glass provides much needed thermal insulation during the Siberian winter, helping to maintain the heated climate all year round.

During the design stage, we recognized the opportunity to incorporate a tropical botanical

garden which could be sustained by the heated environment. Sixty different species of plants are located throughout, creating an oxygen-rich environment serving to counterbalance chlorine build-up in the air of the enclosed space.

Galactika Waterpark offers a truly unique experience to Kogalym's community. Featuring three water slides, a wave pool, spas, a 250-meter lazy river, kids' waterpark playground and surfing simulator, hours of fun can be had by all.

With surfing instructors, water aerobics classes and swim lessons, general physical wellness is well accommodated within the center. A much-loved attraction in the city, Galactika Waterpark continues to be a main attraction of Galactika Sports and Entertainment Centre.

Total Building Area: 6,500 m²
 Construction period: 24 months
 Key attractions: 7
 Weekly visitors: 2,000

Associations.



American Institute of Architects

The largest, most influential network of architects and design professionals with over 98,000 members who share a passion for design, a desire to change the world and a commitment to the highest standards of practice.



IAAPA

International Association of Amusement Parks and Attractions (IAAPA) is the largest international trade association for permanently situated amusement facilities worldwide, and represents more than 6,000 specialty members from more than 100 countries.



AZA

The Association of Zoos and Aquariums (AZA) is a non-profit organization dedicated to the advancement of zoos and aquariums in the areas of conservation, education, science, and recreation. They are leaders in animal care and welfare; conservation; conversation education and professional excellence.



PATA

The Pacific Asia Travel Association (PATA) is a not for profit membership based association that acts as the catalyst for the responsible development of travel and tourism and facilitates meaningful partnerships to enhance the value, quality and sustainable growth of travel and tourism to, from and within the Asia Pacific region.



AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS (ASLA)

ASLA, founded in 1899, is the professional association for landscape architects in the United States, representing more than 15,000 members. Landscape architects lead the planning, design, and stewardship of healthy, equitable, safe, and resilient environments.



U.S. GREEN BUILDING COUNCIL

The U.S. Green Building Council (USGBC) is a non-profit organization dedicated to supporting prosperous, healthy and resilient communities. They are the global leader in green building with a focus on transforming buildings and communities to advance human and environmental wellbeing.

Accolades.



Kogalym Aquarium

Eurasian Regional Association of Zoos and Aquariums Membership

Member since 2018.

The purpose of the Association is to coordinate efforts to improve zoo and aquarium activities and support conservation and breeding of wild animals.



Dubai Aquarium & Underwater Zoo

Tripadvisor Certificate of Excellence 2012

Certificate of excellence following traveler reviews and ratings

World Travel Awards

Middle East Responsible Tourism Award Nominee 2020-2023

World Travel Awards reward and celebrate excellence across all key sectors of travel, tourism and hospitality industries and are recognised globally as the ultimate hallmark of industry excellence



Malta National Aquarium

Quality Assured (QA) Mark by the Malta Tourism Authority

Certification that is testament to the Aquariums exceptional quality and commitment to providing an outstanding customer experience

European Business Award

(EWWR) European Week for Waste Reduction 2023

Dedication to environmental sustainability



Gujarat Aquarium

CIDC Vishwakarma Award 2023

Best achievement for best construction project



Sealife Istanbul

Sea Life Trust Partner

Member of this registered charity working globally to protect the world's oceans and the amazing marine life that lives within them. Inspiring conservation campaigns and funding projects and education programmes that champion the need for plastic-free oceans, sustainable fishing, effective Marine Protected Areas and an end to over-exploitation of marine life.



Greater Cleveland Aquarium

3rd Annual Parent Choice Award Nominee 2018

Best Rainy Day Out by the readers of Northeast Ohio Parent



Galactika Sports and Cultural Complex

Union of Zoos and Aquariums of Russia membership

Member since 2018.

The Union of Zoos and Aquariums of Russia was established to unite all zoological organizations of the country, to create a space for exchange of experience between specialists, as well as for the implementation of large-scale educational and conservation programs that serve one purpose - to preserve the fauna of Russia in all its unique beauty and diversity.

'Golden site' award in 2016

Award for the best Website in the region. Website made by AQM partners.

"Tourism, sport, hunting and fishing" Exhibition diploma

Diploma for high professionalism in presenting itself

aquamarine

THANK YOU

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