

ECOSPACE

ECOSPACE+

SPACEMAKER

BYRNE

TECHNICAL SERVICES



spacemaker.ae
byrnetech.com

Introduction

Spacemaker was founded in the UAE in 1990 and since then has grown to become one of the highest quality modular building construction suppliers in the Middle East.

A turnkey solution provider, able to deliver off-site **prefabricated modular building solutions** without having to rely on third party providers or sub-contractors.

All the engineering necessary is provided by our in-house team and we thrive on providing solutions to complex scenarios.

Whatever the project and however remote, we can provide design, manufacturing, logistics, installation and maintenance.

Our innovation strategy ensures **creative solutions and the newest of technologies** are considered for every project.

Supported by our sister company Byrne Equipment Rental, one of the largest plant and equipment rental companies in the Middle East with 20 operational bases, covering the UAE, KSA, Kuwait, Qatar, Oman and Bahrain and a fleet of over **14,000 items** of plant and a team of **over 1,500 people**.

Byrne Equipment Rental's product range is built upon a successful 'one stop shop' model approach, satisfying all equipment rental requirements across multiple industries. The rental fleet is constantly updated to carry the latest brands of equipment and technology, **enabling operational efficiency through equipment rental and lease solutions**.

Product Range

**RIGSPACE****RAPIDSPACE****ECOSPACE (+)****EASYSACE****FLATSPACE****CONTAINERSPACE****OFFSHORESPACE****LUXSPACE****TRAILERSPACE****BALLISTICSPACE****BLASTSPACE****eSPACE**

Spacemaker provides modular buildings for a variety of uses across a range of industries in the Middle East.

Our tailor-made engineering solutions can be used for simple or complex purpose-built structures including oilfield camps, office buildings, warehouses and schools.

Because we offer a turnkey service, there is no reliance on third party providers or sub-contractors which means projects that require fast-track turnaround are able to delivered in the shortest of times.

Quality

It is Spacemaker's policy to identify the requirements of our customers and provide a service that meets or exceeds these requirements by the use of processes, materials, or products that avoid, reduce, or control pollution and comply with relevant laws, standards and regulations applicable to our business.

Our internal quality procedures adhere to the highest standard in the industry - from detailed documentation of material procurement to thorough certified inspections. This internal process ensures the highest quality of workmanship is met at all times.

ISO Certification

Recognising the hazards present in our industry, we take every practical step to provide and maintain a safe and healthy work environment for all employees, subcontractors and visitors who may be affected by or come into contact with a Spacemaker project.

At Spacemaker our structured process for managing quality, health, safety and environmental activities in compliance with ISO certification is consistent with QHSEMS standards. Our QHSE management system procedures are documented to ensure our activity, conditions and tasks affecting quality, health, safety and environmental protection are planned, organised, executed, reviewed and improved.

Our Certifications

ISO9001:2015 (Quality)

ISO45001:2018 (Health & Safety)

ISO14001:2015 (Environment)

ISO17065 (Product Certification – fire rated wall panels)

Capability

As a turnkey solution provider, we're able to deliver modular solutions without having to rely on third party providers or subcontractors. We provide all the engineering necessary and thrive on providing solutions and answers, where often others are not able to.

Our continued research and development, and ability to 'think outside the box' ensures innovative solutions and the newest of technologies are considered for your project. Our disciplines include detailed MEP engineering, structural designs and calculation, architectural design and more. We consider ourselves agile enough to give our clients that commitment, overseeing and supporting our customers from concept design, FEED, commissioning and maintenance of each project.

Our teams of experienced engineers are the reason our customers keep coming back, knowing their project complies with the requirements, specifications, safety and environmental needs.



Technical Info

EcoSpace is a rapidly developing product suitable for an array of industries. Utilising the highest quality materials, **EcoSpace** and the cost effective **EcoSpace+** can be utilised to service short term projects between 1-5 years and long term between 5-25 years. Applications include:

- Temporary Construction Facilities (TCFs)
- Satellite offices
- Construction and labour villages
- Senior management accommodation
- Construction site offices
- Headquarter offices
- Recreation rooms
- Kitchen and dining facilities

EcoSpace is frequently utilised by EPC contractors, main contractors, sub-contractors and international oil companies. With a large variety of designs and material options, EcoSpace is Spacemaker's most customisable product due to:

- Large open spaces without columns
- Increased ceiling heights up to 4.2m
- Building module lengths ranging between 6m-15m and widths from 2.4m- 4.5m
- Fire ratings between 30 mins to 1 hour (test certificates available)
- Variety of material and finishing options
- Quick deployment of manufactured units with a capacity of 200 modules a month per facility

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Case Study

Project – Yas Island 10,000 man camp

Spacemaker was awarded a very prestigious project to accommodate at peak over 10,000 men. This village had to support senior, junior and labor categories and meet the industry standards enforced by the regulatory authorities.

The village was also powered by our sister company Byrne Equipment Rental and subsequently managed by Byrne to allow for uninterrupted services. The customer was then able to directly focus on the primary project.

The village consisted of kitchens and mess halls, large laundry facilities, both indoor and outdoor recreational facilities, sewage and water integrated networks, addressable and integrated fire alarm and suppression system, PA systems and much more. The design and engineering was done all in-house which allowed Spacemaker's flexibilities in making the village a lot more efficient and cost effective.



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Case Study

Project – 4,000 Man Accommodation Village

Spacemaker was employed to build a large scale accommodation village including mess halls, kitchens, clinic and more to service the workforce for a large construction project in the Middle East.

The Ecospace product was a perfect solution meeting all regulatory / authority standards whilst ensuring international building codes. In addition ASTM and related codes were met in reference to thermal and acoustic requirements.

Some of the key features included the products ability and flexibility to go 2 floors up whilst maintaining structural integrities through necessary loads.

High level of quality control (due to 80% completion within a factory) and an ability to maintain accurate and optimal tolerances.



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