

OFF-SITE MEP PRE-FAB SOLUTIONS

MODULAR SYSTEMS

AL MUTHATHAWERAH A/C Systems Ind. Center LLC (MACS) established in 2010 on the basic policy of serving the market with high quality and reliable products using latest technology and qualified staff. Where it contained by a main four divisions covering a MEP-market and roots dating back for a large period of time in a various trade.

MACS has started business optimizing professional and experienced staff to meet and exceed all customer's expectations. MACS is dedicated towards quality of their products due to the top management commitment to never compromise on quality. This inspired all employees to work more efficiently and bring continuous improvement to production.

MACS specialize in high advanced manufacturing & multi developments based on our vast experience from the UAE manufacturing sector.

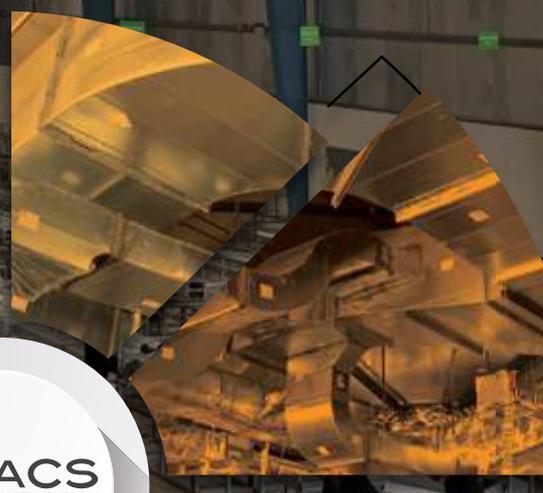
MACS to date have completed some very interesting projects for some of the key clients and contractors in the UAE. The range of projects being offered by MACS consist within the Residential, Commercial, Hospitality, Industrial and Leisure sectors.

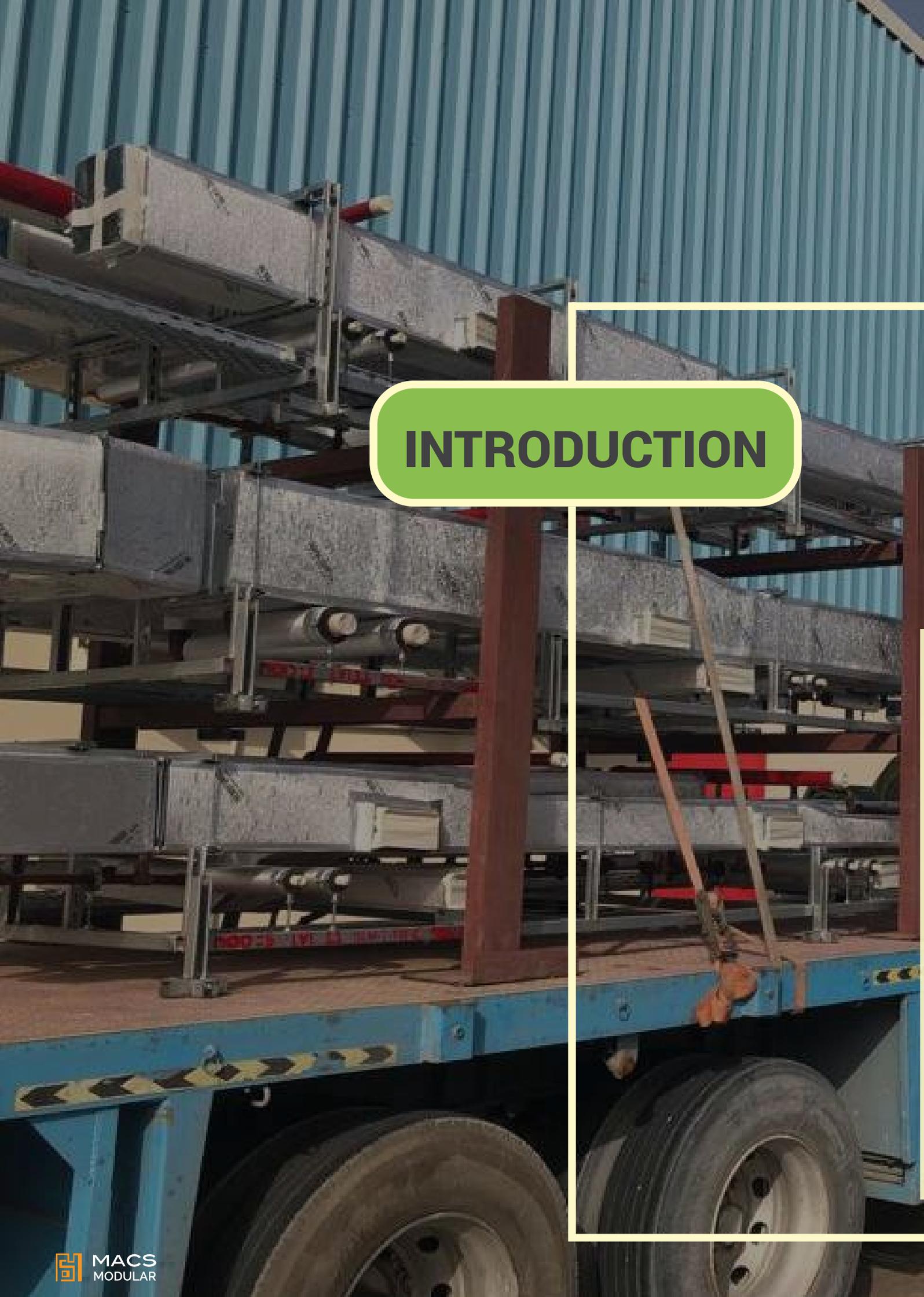
We bring a new and fresh approach to the Middle East for delivering MEP services.

We work to achieve high quality projects that everyone can be proud of and provide the superb service levels that every client deserves.

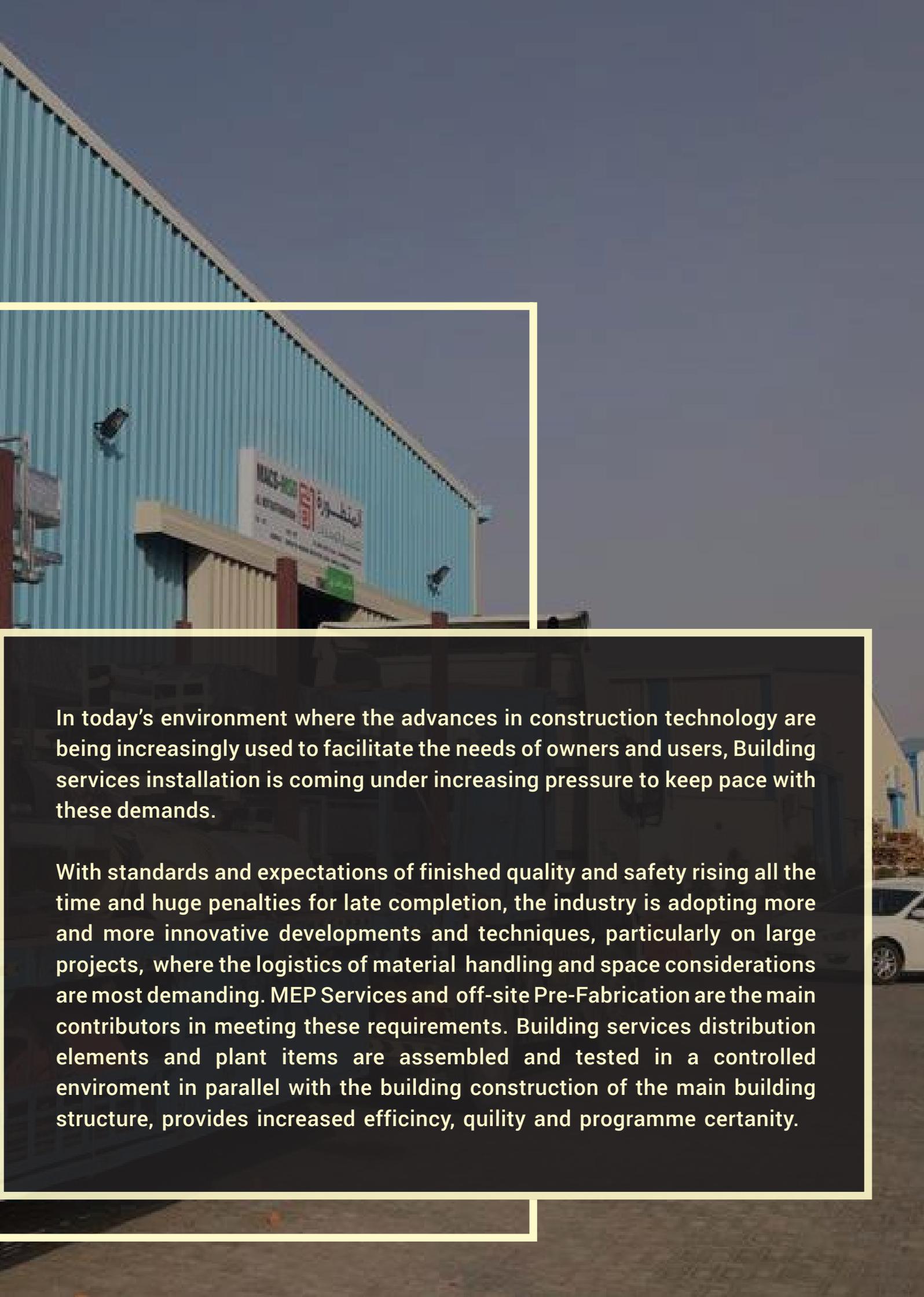
MACS is a non-contractual business who honor their commitments and conduct operations in a way the client will take benefit from.

WHO WE ARE



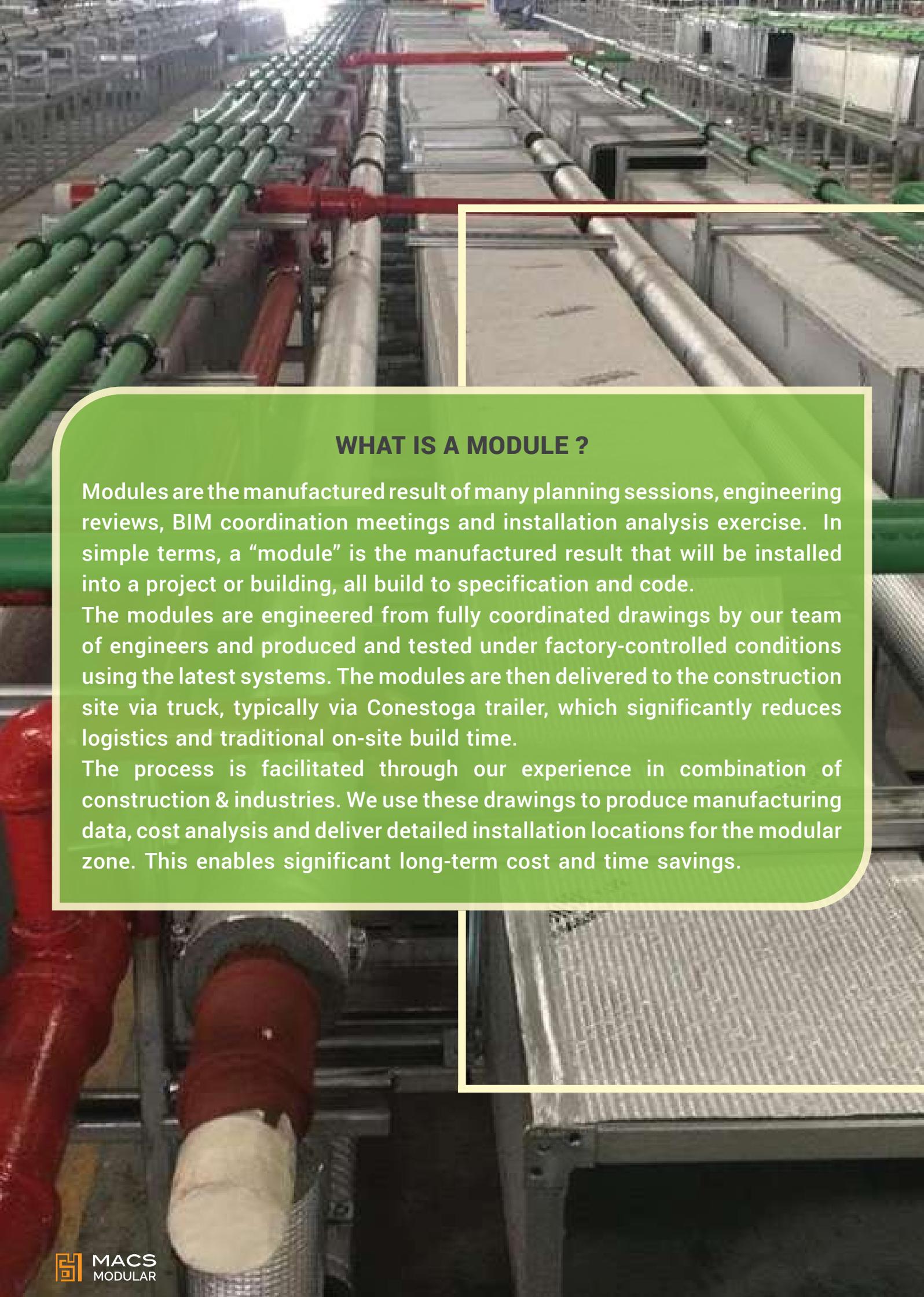


INTRODUCTION



In today's environment where the advances in construction technology are being increasingly used to facilitate the needs of owners and users, Building services installation is coming under increasing pressure to keep pace with these demands.

With standards and expectations of finished quality and safety rising all the time and huge penalties for late completion, the industry is adopting more and more innovative developments and techniques, particularly on large projects, where the logistics of material handling and space considerations are most demanding. MEP Services and off-site Pre-Fabrication are the main contributors in meeting these requirements. Building services distribution elements and plant items are assembled and tested in a controlled environment in parallel with the building construction of the main building structure, provides increased efficiency, quality and programme certainty.



WHAT IS A MODULE ?

Modules are the manufactured result of many planning sessions, engineering reviews, BIM coordination meetings and installation analysis exercise. In simple terms, a “module” is the manufactured result that will be installed into a project or building, all build to specification and code.

The modules are engineered from fully coordinated drawings by our team of engineers and produced and tested under factory-controlled conditions using the latest systems. The modules are then delivered to the construction site via truck, typically via Conestoga trailer, which significantly reduces logistics and traditional on-site build time.

The process is facilitated through our experience in combination of construction & industries. We use these drawings to produce manufacturing data, cost analysis and deliver detailed installation locations for the modular zone. This enables significant long-term cost and time savings.

New Construction

Mythology

CONCEPT



PRODUCTIVE
CREATIVE
CONSISTENT

Mission

Guided by our vision we shall deliver high- quality, cost effective works on schedule and enhance our Client's satisfaction through continuous improvement of our business practices in terms of safety, quality, services, delivery, as well as environmental protection.

Our commitment to excellence, integrity, diversity of experience and team collaboration allows us to exceed our Clients expectations on every project & to develop and maintain long lasting customer relationships.

Vision

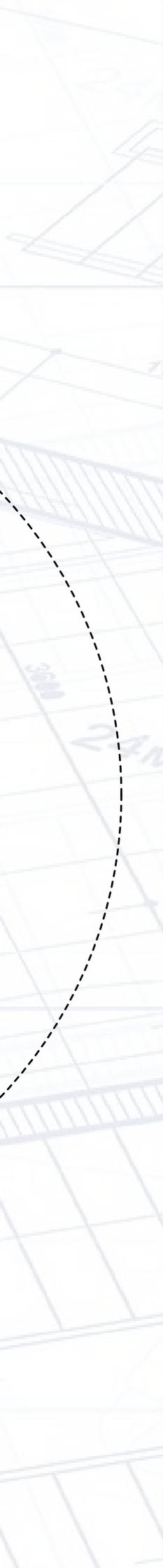
We strive to become the leading and most reliable Pre-fab manufacturer in UAE, GCC, & Mena-region, continuously conforming to our ever-growing professional and ethical demeanor as well as a quality assurance standards to earn the privilege of being your entrusted business partner.

Value

To provide our Clients with the highest standards of contracting services, we at MACS-MSD are proud to have been an efficient and successful partner to many reputed and established names throughout our history.

This success could not have emerged without our belief in the core values of trust, attention to detail and reliability.

Our values are shown by our commitment to achieving and maintaining the highest standard of work.





MACS-MSD CORE TEAM MESSAGE



**Core team Experts
Behind a great Brand
Exists great values**

Behind the name of Modular System division stands an experienced and professional team that works together to deliver bespoke, innovate solutions, on time and to maintain the highest standard services in the world of off-site solutions. Through the early consideration of off-site engineering on our projects, we have standardized our design and construction techniques to promote modularization. We have significant experience in providing off-site solutions for a wide range of sectors and frameworks over years, and have delivered some of the UAE largest projects

MSD has gained an impressive track record working closely with clients in both the private and public sector.

We strive to deliver highest standards of MEP services, carefully paying attention to stakeholders in projects ideas, collaborating in development of the right scope of work.

From our purpose built, 70,000 Sq.ft facility in UAQ , MSD is ideally located to supply to projects throughout The UAE and wider Middle-East.

KNOWLEDGE

INTEGRITY

EXCELLENCE

INNOVATIVE

RESPECT



LESS CRANE TIME

One lift with the crane and all materials and the delivery is completed, no need for pallets for each item to be sent to each floor then each room.



ONE POINT OF CONTACT

No inter-trade or company arguments because we are from the same company and it all coordinated, and therefore no delays.



FIXED PRICE

A fixed price is agreed on the specification so there will be no surprises, as long as the order is received, drawings and specification are signed off in time to order and get the materials delivered, responsibility for on time delivery is on the pod supplier.



LESS WORKERS & SUPERVISION ON SITE.

The project manager can deal with only one contractor instead of a minimum of 10 suppliers and subcontractors.



EASY MAINTENANCE

Module installed back to back and location of all the services in the corridors / riser shaft gives easy access for maintenance.



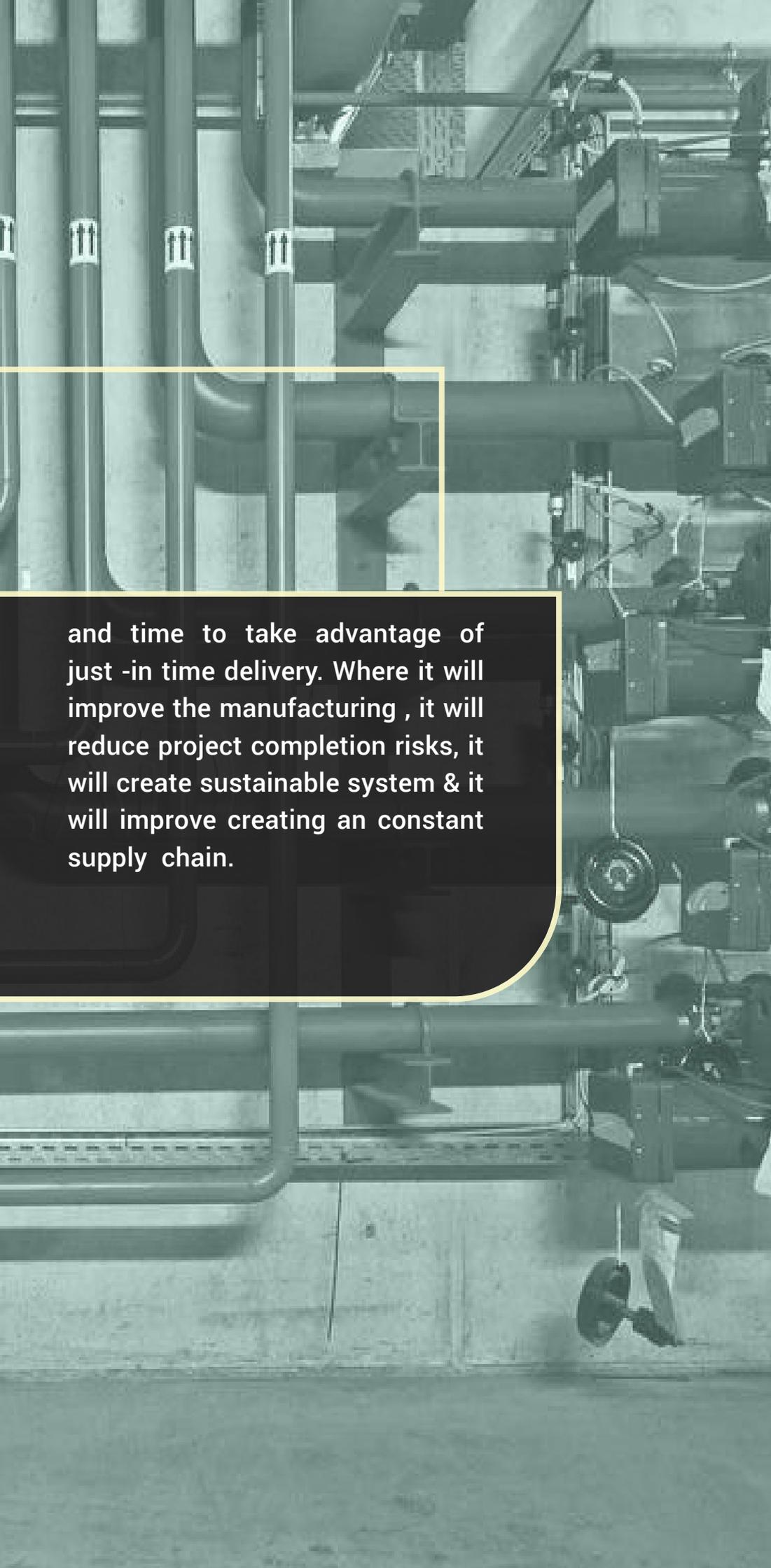
FAST INSTALLATION

The speed of installation on site, 50-30 module can be positioned a day if the site is ready and pods can also be installed throughout the night.

OFF-SITE SOLUTIONS

We believe that the off-site manufacture of building services modules represents the lowest risk method of the delivery and installation of services to the construction site.

The ability to simultaneously manufacture building components with the site work, allows the project team the flexibility-



and time to take advantage of just -in time delivery. Where it will improve the manufacturing , it will reduce project completion risks, it will create sustainable system & it will improve creating an constant supply chain.



CONSISTENT QUALITY

All modules are fabricated in the same way, when the reference module quality is signed off that is then the minimum standard to be supplied.



PROJECT SPECIFIC DESIGN

The Module is designed and built by an experienced team, specialized in off-site construction technology.



NO STORAGE RESTRICTION

No storage space for toilet material at the site, since the module is delivered finished.



FULLY TESTED

Pods are delivered fully tested and our team will be on site when water and power is connected to the building to do the final commissioning.



LESS SNAGGING

Considerably less requirement for snagging later on in the often-hectic stage of the project.



PLANNING & TIME SAVING

Using modules can easily reduce the overall build program of the project.





INTUITIVE

CAPABILITIES

We at MACS-MSD are proud to say that all our products are ISO certified. We provide services of several products including Corridor Modules, Riser Modules, FCU Modules, Water meter Modules & PreFabricated MEP Plant Rooms.

We are able to offer a full MEP design and build service for our Clients using the most innovative and energy efficient products to provide state-of-the-art installations which save both time and cost throughout the construction phase and provide a cost effective and maintainable end product to our clients.

MACS-MSD pledges towards the advancement and improvement of quality, safety, certainty & efficiency for urban construction projects using the advanced technology as well as professional labors, we at MACS-MSD are able to produce an immense range of products and capacities to match customer expectation.

- 3D Modelling & development.
- Fabrication & line assembly.
- Off-site & on-site QA inspections
- Off-site Testing.

● OUR PRODUCTS

Plant Room Modules

We are experienced in the delivery of single module plant rooms, multi module plant rooms and plant skid modules which are delivered in bespoke sizes to suit projects requirements.



Horizontal / Vertical Multi-services Modules

We have delivered multi service modules and risers across all sectors, and see this solution as the most efficient approach for the installation of primary distribution and containment.



Wiring Modules

Our experience of modular wiring solutions includes both lighting and power applications. Plug and play technology allows us to significantly reduce installation programs on site and avoid site constraints.



Single Modules

We have delivered single service modules and see this solution as the most efficient approach for the installation of primary distribution and containment bespoke in Double Hight stories and large scale projects.



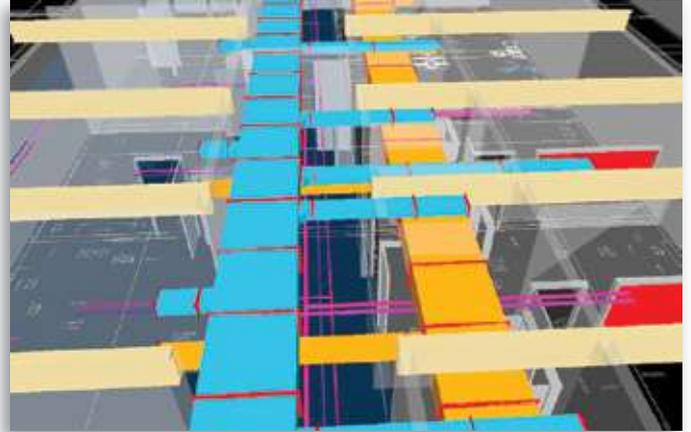
● CO-ORDINATED

On each project we carefully select the areas and components which are suitable for off-site manufacturing. We then discuss and agree these with our client and wider team to ensure we design, manufacture and install the most efficient solutions, right first time.

A fundamental element to guaranteeing the success of any scheme utilizing the modular off-site approach is the services co-ordination. In line with our commitment to lean construction principles we use Building Information Modelling (BIM). The interaction between the M&E services and the building structure can be extremely complex and we use BIM as a tool for delivering efficiency within the design and overcoming issues such as co-ordination and clash detection within restricted service zones.

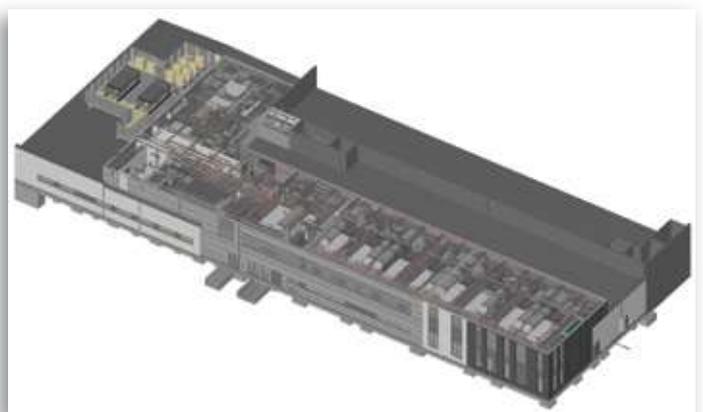
Space management is crucial in order to produce efficient and well-integrated designs. The use of BIM allows virtual models of the building system components to be created which in turn leads to effective design co-ordination.

We invest the time during the design and pre-construction process to ensure the success of off-site manufacturing.



Any clashes in the building services are identified earlier so strategies can be agreed to avoid late changes or clashes.

Our utilization of BIM guarantees co-ordination of services and assurance that there will be no clashes when the service modules are installed on site. It also provides quantity schedules for the materials required as part of the modular solutions, together with enhancing program delivery and production labor control.





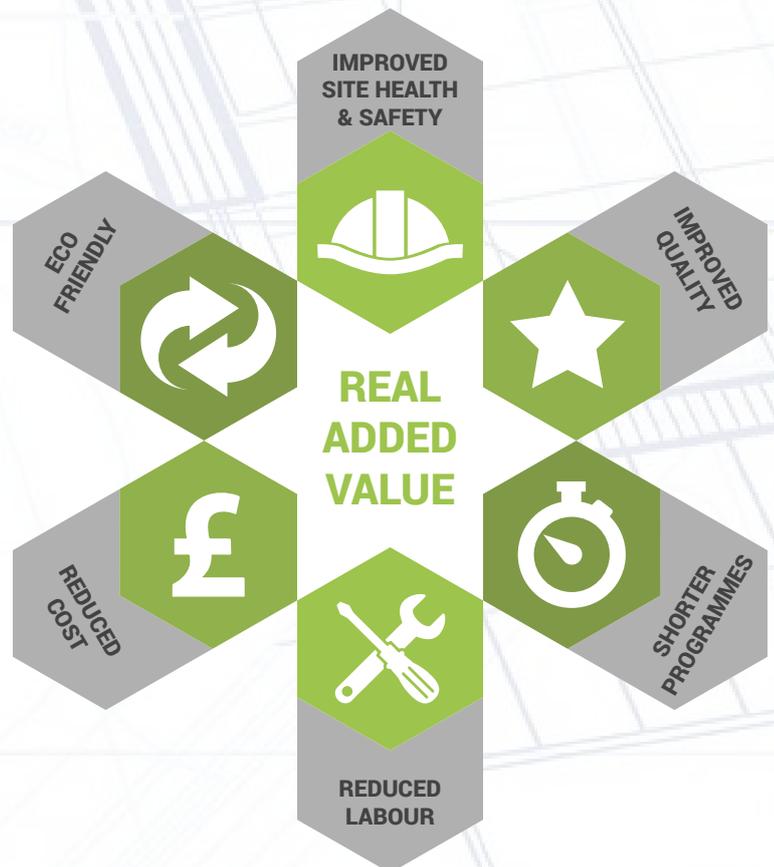
● QUALITY

MACS has rigorous quality assurance procedures in place to ensure 'right first time' results.

The off-site approach delivers significant improvements in the quality of the final installation, in line with our zero defects philosophy. The works are z which is cleaner and less congested than traditional construction sites resulting in

less damage to materials, guaranteed quality and reduced wastage. Each off-site element has an individual reference number and upon completion undergoes final inspection checks including pressure testing and electrical continuity. There is full transparency within our quality procedures which includes client witnessing and sign off.

Post installation the connected off-site elements are again appropriately tested and signed off in line with the overall project commissioning process.





● HEALTH AND SAFETY

Off-site manufacturing plays a key part of our 'Aim To Be Accident Free'. By taking the construction works away from site it significantly reduces:

- Working at height
- Hot works
- Overall labor on site
- Deliveries to site reducing surrounding traffic risks
- Material storage and packaging
- Material and manual handling risks
- Noise and dust

With significant amounts of work undertaken off-site there is a reduced installation requirement on-site meaning fewer tradesmen required.



The Midtown Afnan Zone 2 and Midtown Dania Zone 3 at Dubai Productivity City



Project

The Midtown Afnan Zone 2 & Midtown Dania Zone 3

Location

Plot No. IMPZ.A.01 at IMPZ, Dubai Productivity City –Dubai, UAE

Client

M/s DEYAAR Developments PJSC

Consultant

M/s U+A Architecture

ACT ONE | ACT TWO BY EMAAR PROPERTIES

Commercial & Residential Buildings



Project

ACT-I & ACT-II Commercial & Residential Buildings

Location

Downtown Dubai - Sheikh Mohammed bin Rashid Blvd - Dubai

Client

M/s Emaar Properties PJSC

Consultant

M/s ARCHGROUP Consultans International

SE7EN Residences Palm Jumeirah



Project

SE7EN Residences - Palm Jumeirah

Location

Palm Jumeirah - Dubai

Client

Seven Tides Ltd. , Al Memzar Investments Co. LLC

Consultant

M/s Incorporated Consultants CONIN

DEIRA WATERFRONT DEVELOPMENT PLOT 4

Transition Hub (G+8) Commercial, Retails, Offices & Hotel



Project

Deira Waterfront Development Plot 4

Location

Deira - Opposite Dubai Hospital - Al Khaleej Rd - Dubai

Client

Ithra Dubai/ Deira Waterfront Development

Consultant

M/s AE7 Consultants

Emaar PJSC - Plot - 19, Emaar Properties' Residential Project In Dubai Creek Harbour



Project

Plot-19

Location

Dubai - Creek Harbour

Client

Emaar PJSC

Consultant

M/s Consultair Engineers & Consultant

SLS Dubai Hotel & Residences Business Bay (Wow Hotel Apartments)



Project

SLS Dubai Hotel & Residences - Business Bay (Wow Hotel Apartments)

Location

Dubai, UAE

Client

M/s Wow Investments Limited

Consultant

M/s Next Engineering Consultants

Town Square Development Residential Buildings



Project

G+1P+11+HCFloors Residential Buildings

Location

Plot No. 35 –Dubai, UAE

Client

M/s NSHAMA

Consultant

M/s Mimar Emirates Engineering Consultants

Al Sofouh Mix Use Development



Project

Al Sofouh Mix Use Development (2B + G + 4P + 43 + R)

Location

Plot No. A-002-038 TECOM Al Sofouh, Dubai

Client

M/s Al Fahim Group

Consultant

M/s AECOM Middle East Ltd

Public Realm Space EXPO 2020



Project

Public Realm Space - EXPO 2020

Location

C38 District, EXPO 2020

Client

M/s Dubai World Trade Centre (DWTC)

Consultant

M/s Parsons International Limited

Bloom Towers JVC, Dubai



Project

G+4 P+33/33/43+Roof Bloom Towers

Location

JVC, Dubai

Client

M/s Bloom Properties

Consultant

M/s KWEC Engineering Consultants

Bloom Heights JVC, Dubai



Project

G+4 P+32/29+Roof Bloom Heights

Location

JVC, Dubai

Client

M/s Bloom Properties

Consultant

M/s KWEC Engineering Consultants

Banyan Tree Residence Hillside, Dubai



Project

Location

Client

Consultant

G+1P+11+HCFloors Residential Buildings

Plot No. 35 – Dubai, UAE

M/s NSHAMA

M/s Mimar Emirates Engineering Consultants

S Z U T E S T

CERTIFICATE



Environment Management System

CERTIFICATE NO: SZT.2019.SB.2.1.041

AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES IND. CENTER LLC

Shed No. 5, 9, 10, 11 Behind Mohd Bin Zayed Road, Industrial Area 15, P.O Box 81615, Sharjah. United Arab Emirates

ISO 14001:2015

Manufacturing Central A/C Systems Accessories, Fire Ratted Duct Works, Pump Assembly

EA Code: 18

Szutest confirms with the certificate details given above, that the organization has an appropriate management system complying with the relevant standard principles. This certificate is valid until the date of certification period expiry date only provided that the management system is found successful as a result of surveillance audits.

| | |
|--------------------|------------|
| First Issue Date | 29.08.2019 |
| Issue Date | 29.08.2019 |
| Expiry Date | 28.08.2022 |
| Period Finish Date | 28.08.2022 |



Manager of System Certification

This certificate can be examined by scanning the square codes on the certificate with a mobile device or by verifying the numbers on the square code from the <http://public.szutest.com.tr>.

FR.SB.74 R:5

SZUTEST

CERTIFICATE



Occupational Health and Safety Management System

CERTIFICATE NO: SZT.2019.SB.2.3.042

AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES IND. CENTER LLC

Shed No. 5, 9, 10, 11 Behind Mohd Bin Zayed Road, Industrial Area 15, P.O Box 81615, Sharjah, United Arab Emirates

OHSAS 18001:2007

Manufacturing Central A/C Systems Accessories, Fire Ratted Duct Works, Pump Assembly

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Manager of System Certification

This certificate can be examined by scanning the square codes on the certificate with a mobile device or by verifying the numbers on the square code from the <http://public.szutest.com.tr>.

FR 00 747 1

SZUTEST UYGUNLUK DEĞERLENDİRME A.Ş.
Tatlısu Mahallesi, Akif İnan Sk. No 1 Ümraniye 34774 İSTANBUL / TÜRKİYE

Szutest.com.tr



CERTIFICATE

*This is to Certify that the
Quality Management System
of*

AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES IND. CENTER LLC

SHIED NO. 5, 9, 10, 11 BEHIND MOHD BIN ZAYED ROAD, INDUSTRIAL AREA 15,
P.O BOX 81615, SHARJAH, UNITED ARAB EMIRATES.

**Has been independently assessed and is compliant
with the requirements of**

ISO 9001:2015

This certificate is applicable to the following product or service ranges:

**MANUFACTURING CENTRAL A/C SYSTEMS ACCESSORIES,
FIRE RATED DUCT WORKS, PUMP ASSEMBLY**

:: Certificate No :: AE205165A

| | |
|---|----------------------|
| Date of initial registration | 26 March 2018 |
| Date of this certificate | 26 March 2018 |
| Surveillance audit on or before | 25 March 2019 |
| Recertification Due / Certificate expiry | 25 March 2021 |

This Certificate is property of LMS Certifications and remains valid
subject to satisfactory surveillance audits.


Director

For verification and updated information concerning the powered certificate visit to www.lmscertifications.com
The Certificate and the logo shall not be reproduced or copied without the prior written consent of the issuing authority.



LMS Certifications Private Limited
1, Anandnagar, Gao, Kukulai, Phase Spot Gao,
Fardi Nagar, Lucknow - 226015, U.P. (INDIA)
Phone : +91-9554645464
Web : www.lmscertifications.com
Email : info@lmscertifications.com



CERTIFICATE OF COMPLIANCE

Certificate Number 20141231-R37956
Report Reference R37956-20141229
Issue Date 2014-DECEMBER-31

Issued to: AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES
INDUSTRIAL CENTER L L C
INDUSTRIAL AREA 15TH ,81615
SHARJAH UNITED ARAB EMIRATES

This is to certify that representative samples of DAMPERS FOR FIRE BARRIER AND SMOKE APPLICATIONS
Fire damper, Model, curtain type, for vertical installation and for use in static systems for 1.5 hrs. rating Model :-MACS-GC-B

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 555 - Standard for the Standard for Fire Dampers
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

B. Khalil

Bruce Khalil, Account Direct Engineer, Global Inspection and Field Services

UL LLC

Any information and the conditions bearing UL Mark herein are provided on behalf of UL LLC (UL) many well-known brands of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/customer-service





دولة الإمارات العربية المتحدة
وزارة الداخلية
الإدارة العامة للدفاع المدني - دبي
United Arab Emirates
Ministry of Interior
DCD General Directorate

Tel.: 009714 2611111
Fax : 009714 2612449
P.O. Box 11377 Dubai
United Arab Emirates

للطوارئ
Emergency
997

www.dcd.gov.ae

إدارة السلامة الوطنية - قسم الترخيص والشركات

رقم الترخيص: K110
سنة الترخيص: 2019
عدد التراخيص: 6 - 6

ترخيص وكيل - بإمارة دبي

تم إصدار الترخيص استناداً إلى القرار الوزاري رقم (213) لسنة 2017 ، في شأن تنظيم خدمات الدفاع المدني

| | | | | | | |
|--------------|-------|-----------|------------|------------------------------|--|-------------------------------|
| رقم الترخيص | 19414 | رقم السجل | 221782 | رقم الرخصة | ميناكس للتجارة العامة شركة الشخص الواحد | اسم الشركة |
| سنة الترخيص | 2019 | الإمارات | الجنسية | الجنسية | سعيد بن محمد بن عبدالله الرقباني | اسم صاحب الترخيص |
| عدد التراخيص | 6 - 6 | *** | *** | رقم الفاكس | 04-2635707 | أطراف الرخصة |
| | | ص.ب: | 04-2635755 | رقم الترخيص | مكتب رقم (2) ملك سعيد محمد الرقباني - القصيص | رقم الهاتف |
| | | | | تاريخ انتهاء الرخصة التجارية | menascodxb@gmail.com | عنوان الشركة |
| | | | | 2020/01/03م | تاريخ الإصدار | الموقع / البريد الإلكتروني |
| | | | | 2019/10/29م | 0 | تأسست بتاريخ |
| | | | | 6 | عدد المهندسين المعتمدين | عدد المعدات والأجهزة المعتمدة |
| | | | | 0 | عدد الفنيين المعتمدين | عدد المهندسين المعتمدين |



يعتمد/ عن مدير الإدارة العامة للدفاع المدني/دبي

أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم في تحقيق الأمن والسلامة



دولة الإمارات العربية المتحدة
وزارة الدفاع
الإدارة العامة للدفاع المدني - دبي
United Arab Emirates
Ministry of Interior
DCD General Directorate

Tel.: 009714 2611111
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P.O. Box 11377 Dubai
United Arab Emirates

للتطوارئ
Emergency
997

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رقم الترخيص: **K110**
سنة الترخيص: **2019**
عدد التراخيص: **(6 - 6)**

اسم الشركة: **ميناس للتجارة العامة شركة الشخص الواحد**

| رقم الشهادة | اسم الشركة | اسم المنتج | رقم الشهادة | الاسم التجاري | اسم الشركة |
|-------------|--|--|---------------------|---|--|
| 2019/09/10 | ميناس للتجارة العامة شركة الشخص الواحد | AFPLUS-1 LGAI technological center S.A | UAE-1491 / UAE-1492 | AL MUTHATHAWERA IT ACCESSORIES INDICENTER LLC | ميناس للتجارة العامة شركة الشخص الواحد |
| 2019/09/10 | ميناس للتجارة العامة شركة الشخص الواحد | UL | EMME-RJ7966 | MACS | ميناس للتجارة العامة شركة الشخص الواحد |

ملاحظة:
 21. يتغير من خصائص من قبل مورد وخدمة نظام الحماية. يجب أن لا يزال في حالة جيدة في جميع الظروف.
 22. يجب أن تكون في حالة جيدة في جميع الظروف.
 23. يجب أن تكون في حالة جيدة في جميع الظروف.
 24. يجب أن تكون في حالة جيدة في جميع الظروف.



وقد/ عن مدير الإدارة العامة للدفاع المدني/دبي

أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم في تحقيق الأمن والسلامة



رقم الترخيص : 2013-3-66828
سنة الترخيص : 2019
عدد الترخيص : 1

ترخيص مصنع لمعدات وأجهزة ومواد الوقاية ومكافحة الحريق

تم إصدار الترخيص استناداً إلى القرار الوزاري رقم (24) لسنة 2012. في شأن تنظيم خدمات الدفاع المدني المتطورة لصناعة مستلزمات أنظمة تكييف الهواء، د. م. م

| | | | | | | | |
|--------------|------------|-----------|------------|------------|---|------------------|---|
| 2013-3-66828 | رقم السجل | 627403 | رقم الرخصة | الجنسية | الإمارات العربية المتحدة | صاحب الترخيص | سعيد محمد عبدالله الرقباني |
| الشارقة | رقم الهاتف | 065351750 | رقم الفاكس | نوع النشاط | صناعة مستلزمات أنظمة تكييف الهواء، المركزية، الصناعية مجاري الهواء، المقاومة للحريق | اسم صاحب الترخيص | سعيد محمد عبدالله الرقباني |
| 81615 | ص.ب | | | رقم الهاتف | | نوع النشاط | صناعة مستلزمات أنظمة تكييف الهواء، المركزية، الصناعية مجاري الهواء، المقاومة للحريق |

ملك عنوان رافت مشتهي - حلف شارع الشيخ محمد بن زايد، الصناعية 15، الشارقة الشارقة

| | | | |
|------------|-----------------------|------------|-------------------------------------|
| 18/06/2019 | تاريخ الإصدار | 02/04/2013 | تاريخ تأسيس المنشأة |
| 4 | عدد الفنيين المعتمدين | 2 | عدد المعدات والأجهزة المراد ترخيصها |
| 4 | عدد الفنيين المعتمدين | 4 | عدد المهندسين المعتمدين |

- تم تسجيل الرسوم بإيصال رقم (190052718615).



رؤيتنا أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم في تحقيق الأمن والسلامة

<https://cdservices.moi.gov.ae//index/certificate-inquiry> - زيارة الرابط
تعتبر هذه الشهادة وثيقة رسمية لا تحتاج الى توقيع. للتأكد من صحة المعلومات يرجى زيارة الرابط التالي:

United Arab Emirates

Ministry of Interior

General Directorate of Civil Defense

General Department of Civil Defense - Shaqfah



دولة الإمارات العربية المتحدة

وزارة الداخلية

القيادة العامة للدفاع المدني

الإدارة العامة للدفاع المدني - الشارقة

رقم الترخيص : 2013-3-66828
سنة الترخيص : 2019
الاسم التجاري للمنتج : المتطورة لصناعة مستلزمات أنظمة تكيف الهواء ، د م م
عدد الترخيص : 1

| م | اسم الصعد/المواد/النظام | الاسم التجاري | رقم شهادة السلامة | اسم المصنّع الصاعد للشهادة |
|----------------------------|---|----------------------|-------------------|---|
| 1 | مطبخ الحريق / النحاس - مطبخ - مطبخ النحاس | MACS | EMME R37956 | U.L. UNDERWRITERS LABORATORIES INC. USA |
| رقم الترخيص : MACS-GC-B | | | | |
| 2 | الفوات : الفوات مقاوم للحريق | EMIRATES AC INDUSTRY | UAE-1491 | APPLUS, SPAIN |
| رقم الترخيص : EFD | | | | |

1 . يعتبر المصنّع مرخص من قبل الإدارة العامة للدفاع المدني - الشارقة و يحق له مزاولة نشاطه في إمارة الشارقة فقط. استناداً إلى قرار مجلس الوزراء رقم (24) لسنة 2012 في شأن تنظيم خدمات الدفاع المدني للأجهزة التنفيذية رقم (213) لسنة 2017 . و لا يحق له مزاولة أنشطته في باقي الإمارات إلا بعد استخراج ترخيص موزع من قبل الإمارات العامة ذات الاختصاص بكل إمارة .
2 . إبلاغ الإدارة العامة للدفاع المدني في حالة تغيير أو تعديل في البيانات المتعلقة في الترخيص الصادر من قبل الإدارة العامة للدفاع المدني.

رؤيتنا أن تكون دولة الإمارات العربية المتحدة من أفضل دول العالم في تحقيق الأمن و السلامة

<https://cdservices.moi.gov.ae//index/certificate-inquiry> - لتأكيد من صحة المعلومات يرجى زيارة الرابط
تعتبر هذه الشهادة وثيقة رسمية لا تحتاج الى توقيع. للتأكد من صحة المعلومات يرجى زيارة الرابط
التالي:

FIRE SAFETY CERTIFICATION

PRODUCT APPROVAL

No. **APF - 1491**

APPLUS+ LGAI TECHNOLOGICAL CENTER S.A., under the requirements of its SPC-117 certifies:

| | |
|--|--|
| Product range | Rectangular metallic ventilation duct type A (fire from outside) reference "EFD-Fire Duct" |
| Company | AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES IND.CENTER LLC. Sharjah (UAE) |
| Manufactured | AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES IND.CENTER LLC. Sharjah (UAE) |
| Standard Reference | BS 476-24:1987: "Fire tests on building materials and structures. Method for determination of the fire resistance of ventilation ducts". BS 476-20:1987: "Fire tests on building materials and structures. Part 20: Method for determination of the fire resistance of elements of construction (general principles)" |
| Product Details and Test Report | Please check at the annex of the UAE - 1491 Applus+ certificate. |

Logo on the product

This certificate was first issued on May 3rd 2019 and will remain valid as long as the test methods and/or factory production control requirements in the certification scheme, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Valid until March 12th 2020

Bellaterra, May 3rd 2019

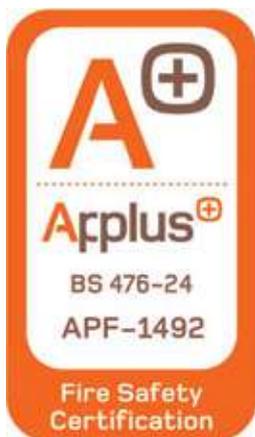
| | |
|--|--|
| LGAI Technological Center, S.A. Xavier Ruiz Peña Product Conformity B. U., Managing Director | |
| You can find this certificate into our website at: https://apps.applus.com/microsites/microsites/FECIP/login | |

FIRE SAFETY CERTIFICATION

PRODUCT APPROVAL

No. **APF - 1492**

APPLUS+ LGAI TECHNOLOGICAL CENTER S.A., under the requirements of its SPC-117 certifies:

| | | |
|--|---|--|
| Product range | Rectangular metallic ventilation duct type B (fire from inside) reference "EFD-Fire Duct" |  |
| Company | AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES IND. CENTER LLC, SHARJAH, UAE | |
| Manufactured | AL MUTHATHAWERAH A/C SYSTEMS ACCESSORIES IND. CENTER LLC, SHARJAH, UAE | |
| Standard Reference | BS 476-24:1987: "Fire tests on building materials and structures. Method for determination of the fire resistance of ventilation ducts". BS 476-20:1987: "Fire tests on building materials and structures. Part 20: Method for determination of the fire resistance of elements of construction (general principles)". | |
| Product Details and Test Report | Please check at the annex of the UAE - 1492 Applus+ certificate. | |
| | | Logo on the product  |

This certificate was first issued on May 3rd 2019 and will remain valid as long as the test methods and/or factory production control requirements in the certification scheme, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

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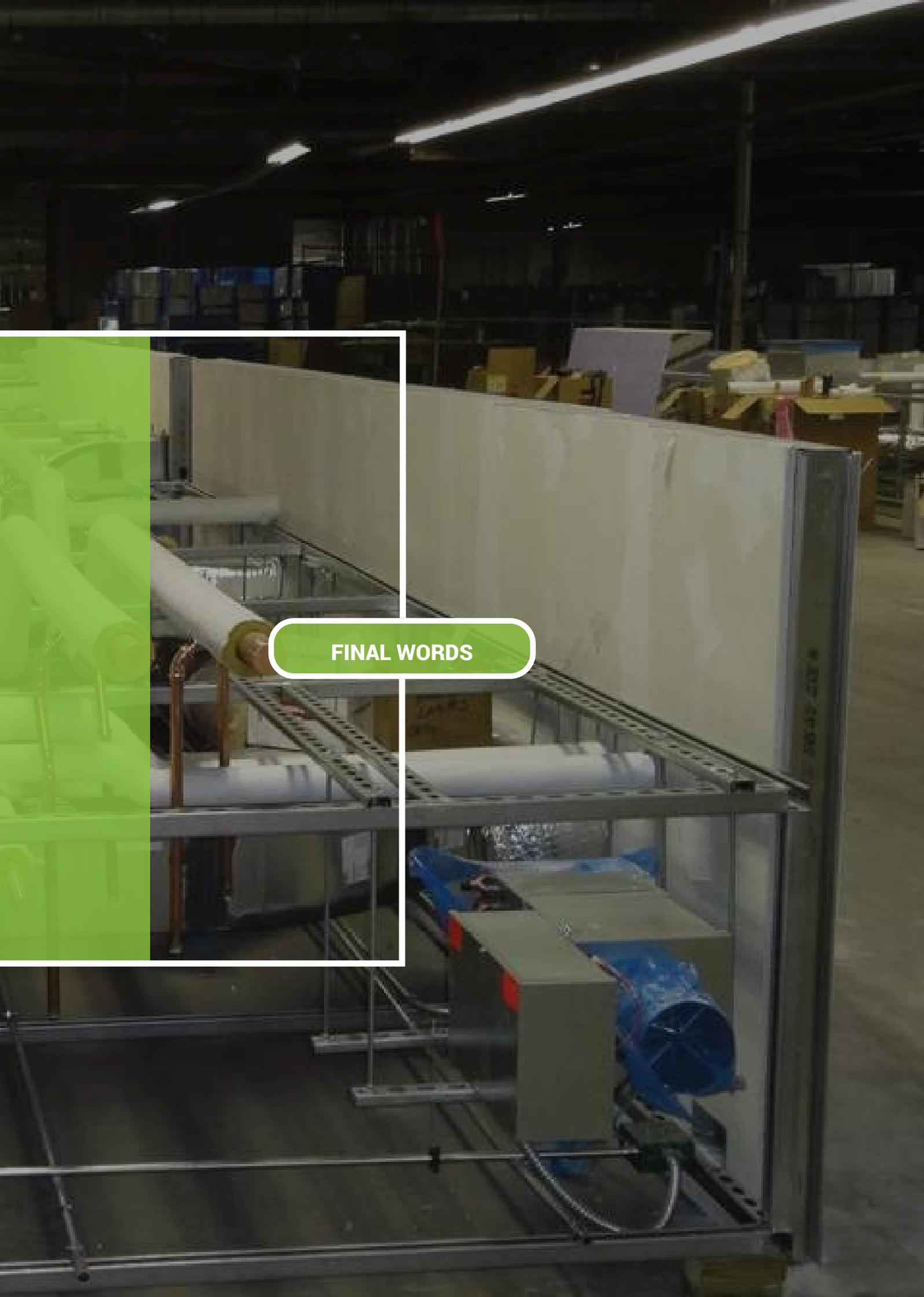
| | |
|--|---|
|  LGAI Technological Center, S.A. Xavier Ruiz Peña Product Conformity B. U., Managing Director |  |
| You can find this certificate into our website at: https://apps.applus.com/microsites/microsites/FECIP/login | |

Our commitment to continuous improvement has positively affected our ability to achieve our goals.

A continuous look for innovation and quality control has given us an edge over our competitors where we promise an irreplaceable quality, dedication, safety and total satisfaction to our Clients of which we hold very high.

This manual was only a brief description of our abilities, ethics and goals which we hope would end your long search for a business partner you can rely on.

Thank you for your interest.
WE APPRECIATE YOUR BUSINESS



FINAL WORDS



Email: info-msd@macsuae.com
Tel: +971 6 746 8520
Fax: +971 6 746 8520
Emirates Modern Industrial Area,
Umm Al Quawain, U.A.E.
P.O. Box: 81615
www.macsuae.com