



Doha Cladding Solutions Factory W.L.L.
مصنع الدوحة لحلول الواجهات ذ.م.م

www.dcs-qatar.com

Complete Cladding Solution of Exterior and
Interior Design and Decoration

Capability Statement Requirements



Committed to Excellence

INTRODUCTION

Professionalism is all about conforming to the technical and ethical standards of work. It is about setting high standards, showing self-belief, making the most of opportunities and enjoying the rewards of success.....

Doha Cladding Solutions Factory (DCS) is a Façade Cladding Company (GFRC, GFRG, GFRP, UHPC & Fiber Cement Board) operating in the State of Qatar, DCS has well built-up factory in New Industrial Area with semi-automatic batch plant, in addition to a high humidity curing and QA/QC Laboratory all serviced by overhead cranes. Production is split between cast elements which are compacted on vibrating tables and hand spray for the lightweight cladding elements. DCS has earned an industry-wide reputation for its ability to manage and deliver on large, fast-track construction projects.





Certificate of Registration

This is to certify that the Management System of
Doha Cladding Solutions Factory W.L.L.
DOHA New Industrial Area, Zone 81, Street 5, Building 75, PO Box 220, Doha, Qatar
has been approved by Alcumus ISOQAR and is compliant with the requirements of
ISO 9001: 2015



Certificate Number: 15516-QS-081
Initial Registration Date: 26 April 2017
Previous Expiry Date: 26 April 2020
Recertification Date: 07-09 March 2020
Re-issue Date: 23 March 2020
Current Expiry Date: 26 April 2023

Scope of Registration:

Manufacturing and installation of GRC / GRG / GFRP / UHPC Products

Signed:
Steve Stubbly, Technical Director
(on behalf of Alcumus ISOQAR)

This certificate will remain current subject to the company maintaining its system to the required standard.
This will be monitored regularly by Alcumus ISOQAR. Further certification regarding the scope of this certificate
and the applicability of the relevant standards' requirements may be obtained by consulting Alcumus ISOQAR.



Alcumus ISOQAR Limited, Alcumus Certification, Coburn Court, 1 Blackmore Road, Sheffield, Manchester M12 1JL
T: 0161 865 3699 F: 0161 865 3695 E: iso@alcumusgroup.com W: www.alcumusgroup.com
This certificate is the property of Alcumus ISOQAR and must be returned on request.



Certificate of Registration

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Doha Cladding Solutions Factory W.L.L.
DOHA New Industrial Area, Zone 81, Street 5, Building 75, PO Box 220, Doha, Qatar
has been approved by Alcumus ISOQAR and is compliant with the requirements of:
ISO 45001: 2018



Certificate Number: 15516-QMS-001
Initial Registration Date: 26 April 2017
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CERTIFICATE OF GRCA MEMBERSHIP

This is to certify that:
**DOHA CLADDING SOLUTIONS
FACTORY WLL**
is a "Member" of:
**The International
Glassfibre Reinforced Concrete
Association**

GRCA Membership Number: 1095

Certificate Valid for the Period:
1st April 2020 to 31st March 2021

Approved by:

Chair of GRCA Council

The International Glassfibre Reinforced Concrete Association
www.grca.org.uk info@grca.org.uk +44 (0) 1351 111 GRCA 14722
PO Box 1454 NORTHAMPTON, NN2 1DZ, United Kingdom
A Company Limited By Guarantee. Registered in England 01398410. VAT GB 113 9195 20
Registered Office: Fairfax House, 6a Mill Field Road, Cottingham Business Park, Brantley BD16 1PY England



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ISO 14001: 2015



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name your shape

“Bring us your design,
any shape and
we will help make it a reality.”

Yes, we offer Claddings in flats, squares and rectangles, but we also produce sweeping curves, dramatic angles, spheres, domes, waves, intricate detail and complex geometries. From avant-garde forms to intricate historical details, bring us your design, any shape and we will help make it a reality.





Name your details, We solve your challenges

“A new solution for your project's unique challenges”

Like people, no two buildings are the same. We have experience in solving all types of design challenges. From underwater glass fiber reinforced concrete to high rise cladding and all types in between, we work with you to invent / engineer / design a solution. We can often find a proven solution that has worked before. If not, we will work with you to create a new solution for your project's unique challenges.







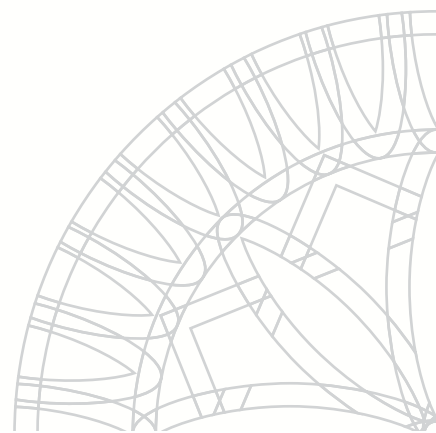
Doha Cladding Solutions Factory W.L.L.

Chairman's Message

Doha Cladding Solutions Factory W.L.L. (DCS) is recognized as a Cladding Solutions Company and aiming to be at the frontline of the leading Cladding firms operating in the State of Qatar and Middle East. DCS's staff are highly experienced for Commercial and Residential buildings and High Rise Towers Cladding Works for the past 25 years. DCS's main objective is Quality in all its endeavors. Gaining clients confidence and full trust in the Cladding Industry is our pledge and we aim to achieve it with a high degree of professional approach and quality standards. I am grateful for your interest in DCS, and I encourage you to visit our Website. I welcome any comments, questions or feedback that you may have.

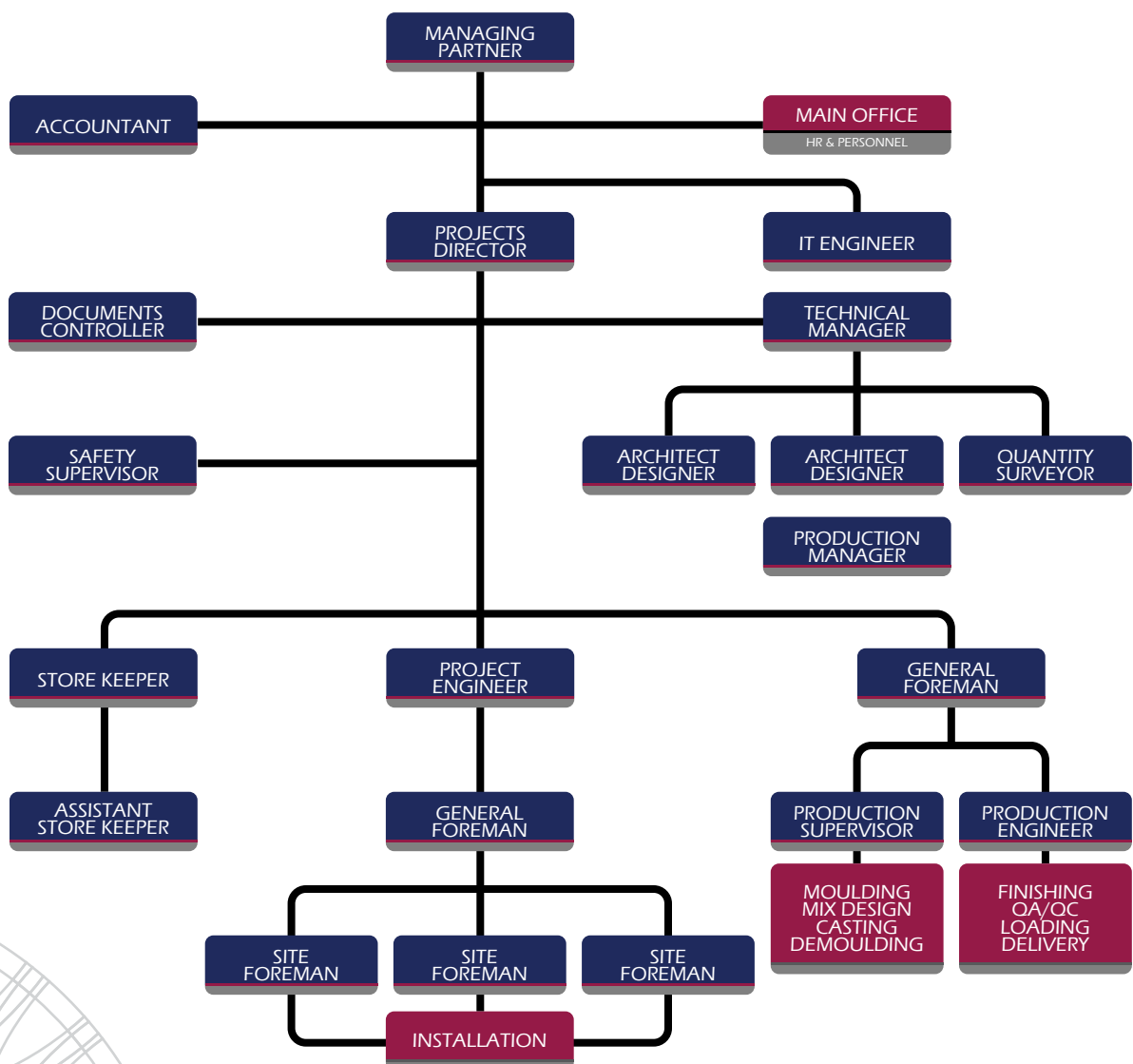
Sincerely,

Saad Ahmed Al-Mohannadi
DCS Chairman





Organizational Chart



GFRC

GFRC is concrete that uses glass fibers for reinforcement instead of steel. It is typically cast in a thin section. Since the fibers cannot rust like steel, there is no need for a protective concrete cover thickness to prevent rusting. With the thin, hollow construction of GFRC products, they can weigh a fraction of the weight of traditional precast concrete.

How can GFRC can be used?

GFRC can be used wherever a light, strong, weather resistant, attractive and fire retardant material is required.

GFRC can be used in manufacturing architectural products such as wall panels, window surrounds, column covers, soffits, cornices, brackets, quoins, railings, pilasters, copings, domes, site furnishings, planters, bollards, urns and tables.

GFRC Durability

Glass fiber reinforced concrete has been tested both by accelerated aging tests in the laboratory and in real life installations. GFRC can be expected to last as long as pre-cast concrete. In many environments, as when exposed to salt spray or high moisture, the GFRC can be expected to perform better, as there is no steel reinforcement to corrode. Since the surface of GFRC is a Portland concrete, it weathers much as a quality architectural pre-cast concrete would.



Advantages of GFRC

- Made of minerals and will not burn. In addition, the nature of concrete acts like a thermal regulator when exposed to flame. GFRC not only will not burn, but it also protects the materials behind it from the heat of the flame.
- Relatively light in weight compared to traditional stone or terra cotta ornaments. Its installation is quick and relatively easy.
- Can be casted to virtually any shape. We supply wall panels, columns, bas relief, domes, column capitals, fireplace surrounds, moldings, medallions and all types of custom GFRC shapes.
- Available either with a cast in integral color and texture: limestone, precast, acid wash, etc. or as paint grade that is easily finished with virtually any paint

Applications

- GFRC can be used for both interior and exterior fixtures in a variety of shapes, styles, and textures; in new buildings or restorative projects.

- | | | | |
|--------------|-------------|------------|-----------|
| • Domes | • Planters | • Moldings | • Cupolas |
| • Fountains | • Panels | • Facades | • Signs |
| • Columns | • Sculpture | • Cornice | • Roofs |
| • Balustrade | • Entryways | • Porticos | |



GFRG

A new product now known as Glass Fiber Reinforced Gypsum (GFRG), also referred to as Fiberglass Reinforced Gypsum (FRG) and Glass Reinforced Gypsum (GRG). This included gypsum plaster reinforced with glass fibers to produce a thin, lightweight, yet strong material.

GFRG fabrication?

GFRG is primarily composed of two raw materials: high density alpha-based gypsum and glass fiber reinforcement. The gypsum plaster should be neutral or of low alkalinity to ensure its compatibility with "E" glass fibers. Additives commonly used within the plaster industry are acceptable provided they are used in accordance with the gypsum manufacturer's recommendations.

GFRG applications

GFRG is used where it is not subject to dampness. (Do not use where it is openly exposed to rain or for fountains, pools or wet locations. For these applications see GFRP). GFRG can be used wherever a light, strong and fire retardant material is required (hotels, theaters, residential, etc.)

- | | | | |
|------------|---------------|------------|-----------------------|
| ● Moldings | ● Columns | ● Domes | ● Fireplace Surrounds |
| ● Ceilings | ● Light coves | ● Capitals | ● Custom shapes |





Why GFRG?

☼ Flame Resistant

GFRG is a mineral and will not burn. In addition, the nature of gypsum acts like a thermal regulator when exposed to flame. GFRG not only will not burn, but it also protects the materials behind it from the heat of the flame for up to two hours.

☼ Easy Installation

GFRG is relatively light in weight compared to traditional stone or plaster ornaments. Its installation is quick and relatively easy.

☼ Selection

GFRG can be cast to virtually any shape.

☼ Finish

GFRG is available in a white color and is easily finished with virtually any paint.

GFRP

Glass Fiber Reinforced Plastic (GFRP or GRP) Fiberglass is a type of fiber-reinforced plastic where the reinforcement fiber is specifically glass fiber. The glass fiber may be randomly arranged, flattened into a sheet (called a chopped strand mat), or woven into a fabric. The plastic matrix may be a thermosetting plastic – most often epoxy, polyester resin – or vinylester, or a thermoplastic.

GFRP - Glass Fiber Reinforced Polymer - First developed in the mid 1930's, Glass Fiber Reinforced Polymer / Plastic (GFRP) has become a staple in the building industry. Originally used merely for the construction of parts, in 1967, the architectural advantages were discovered with the attempted destruction of Disneyland's "House of the Future." Built in 1956, the futuristic house was built entirely of fiberglass, and when the attraction was no longer deemed necessary, it was scheduled to be destroyed in 1967. Amazingly, the wrecking ball merely bounced off the structure, and the possibilities for GFRP were recognized and began to grow. By 1994, nearly 600 million pounds of composite materials were used in the building industry. Today, Architectural provides a variety of products in GFRP to fit your building needs and aesthetic vision.

GFRP fabrication?

A mold is then made of fiberglass, steel, wood or rubber depending on the detail. Into this mold a carefully designed mix of polyester or epoxy resin is sprayed, along with alkali resistant glass fibers. Virtually any shape or form can be molded.



GFRP applications

GFRP can be used for both interior and exterior fixtures in a variety of shapes, styles, and textures; in new buildings or restorative projects.

- Domes
- Fountains
- Columns
- Balustrade
- Planters
- Panels
- Sculpture
- Entryways
- Moldings
- Facades
- Cornice
- Signs
- Roofs

Why GFRP?

• High Strength

GFRP has a very high strength to weight ratio

• Lightweight

Low weights means faster installation, less structural framing, and lower shipping costs

• Resistance

Resists salt water, chemicals, and the environment - unaffected by acid rain, salts, and most chemicals

• Seamless Construction

Domes and cupolas are resined together to form a one-piece, water-tight structure

• Able to Mold Complex Shapes

Virtually any shape or form can be molded

• Low Maintenance

Research shows no loss of laminate properties after 30 years





UHPC

What is UHPC?

UHPC, or Ultra High Performance Concrete, is a class of concrete defined by its exceptionally high strength and durability. It was developed in Europe in the 1980s for specialized applications that demand superior strength and corrosion resistance – marine anchors, piers and seismic structures.

UHPC history

More recently, the use of UHPC has expanded to applications requiring its high strength in narrow profiles, such as bridge spans and building facades in which the material's strength, wear resistance, lighter weight and lower life cycle costs have been the driving determinates.

UHPC advantage

UHPC is structurally more comparable to steel than traditional concrete. As a result, far less material (%70-) is needed to achieve the same structural requirements. This leads to much lower weight, less substructure when used as a facade as well as lower shipping and installation costs.

In addition, because UHPC does not contain the capillary pores of traditional precast or glass-reinforced concrete, it does not absorb water and degrade in severe marine conditions.

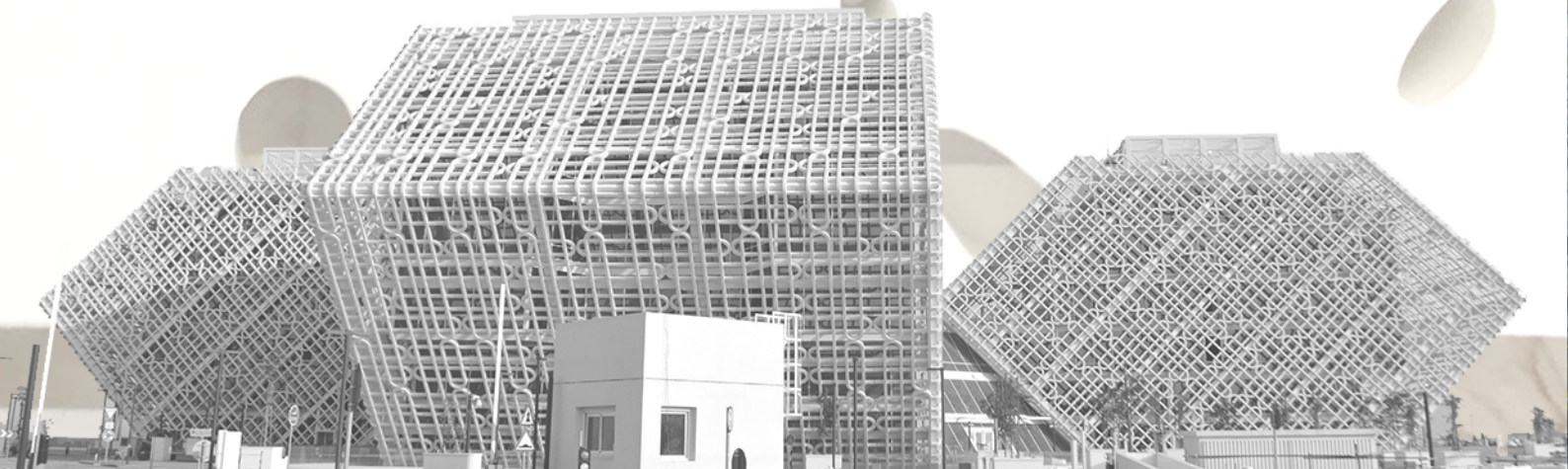
UHPC products

DCS are the pioneers' of UHPC Manufacturing in Qatar, DCS with the cooperation of Dyckerhoff (Germany) and guidelines of Durcrete Consultatnt (Germany) successfully developed the UHPC Mix Design to meet the required Specifications (180 Mpa Compressive Strength & 25 Mpa Flexural Strength).

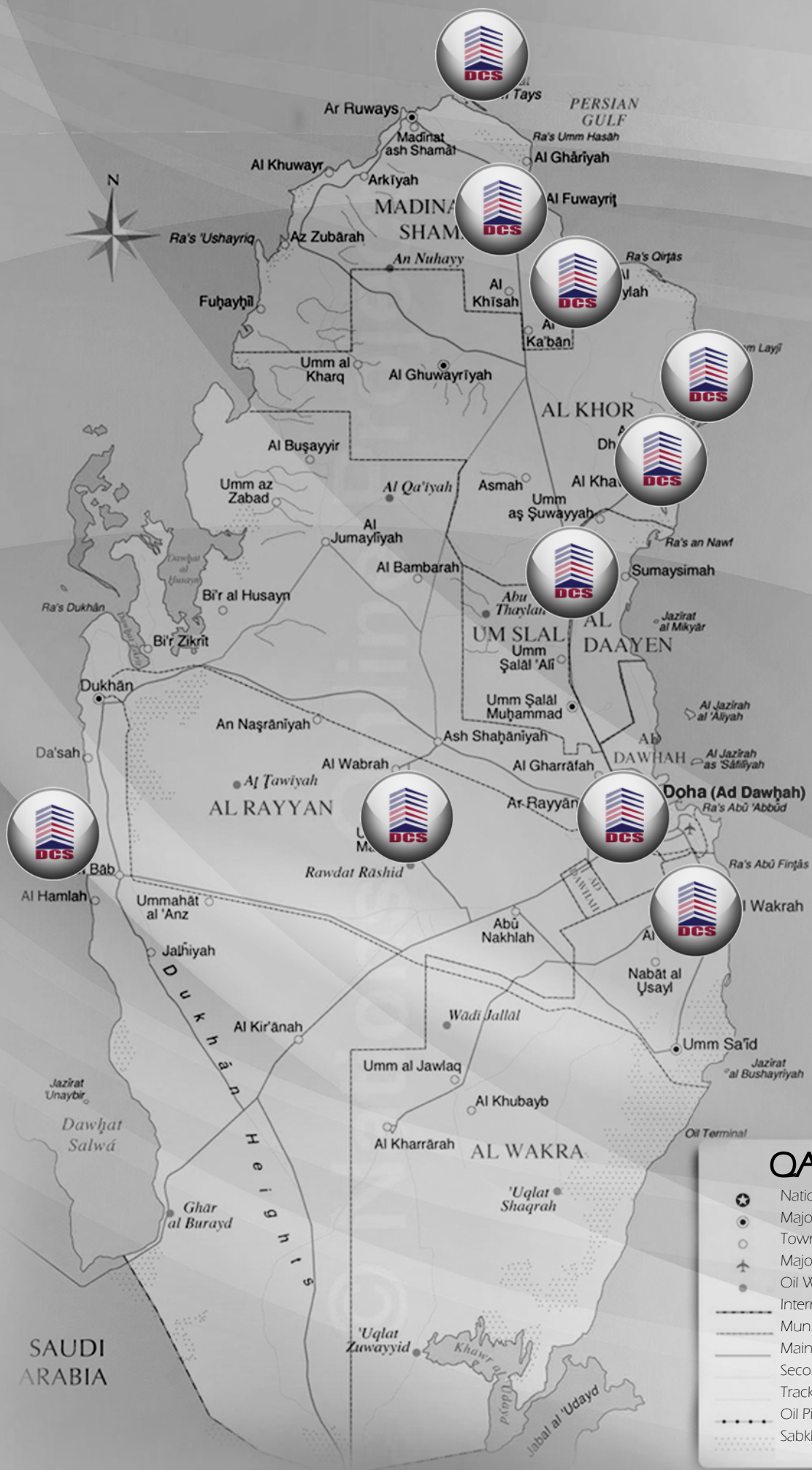
Dyckerhoff has signed an exclusive agreement with Doha Cladding Solutions (DCS) for the export of special Nanodur to Qatar. DCS takes care of the import procedure, supervision and can easily carry out mix demonstrations to ensure an uncomplicated access to UHPC. The agreement grants DCS exclusivity for the purchase of Nanodur Compound within Qatar.



TECHNOLOGIE
PARTNER
DYCKERHOFF
NANODUR®







QATAR

- ★ National Capital
- Major City
- Town, Village
- ✈ Major Airport
- Oil Well
- International Boundary
- Municipality Boundary
- Main Road
- Secondary Road
- Track
- Oil Pipeline
- ... Sabkha (Salt Flat)

CLIENTS



قطر للبترول
Qatar Petroleum



مؤسسة قطر
Qatar Foundation

الريل ريل
RAIL
تحقيق رؤية
Accomplishing a Vision



المكتب الهندسي الخاص
Private Engineering Office



QDB
بنك قطر للتنمية
Qatar Development Bank

UDC
التحدي للتنمية
UNITED DEVELOPMENT CO.

الميرة
Al Meera

KAHRA
MAA
كهرماء

AT
ALBAKER
INVESTMENTS

مصرف الريان
MASRAF AL RAYAN

الاسماك
AL ASMAKH
REAL ESTATE DEVELOPMENT

Halul
Real Estate
Investment Company

الإمارات الوطنية للاستثمار
Emirates National Investment

يونيون ترست
UNION TRUST

CONSULTANTS

dar al-handasah
shair and partners

KEO
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KEO International Consultants

دورش قطر
Dorsch Qatar

AECOM

Turner
@ Future

أستاد
ASTAD

PARSONS
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Louis Berge
WHITE YOUNG
وايت يانغ

EY

EHA
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VEARPLAN
CONSULTING ARCHITECTS

SHAKER
CONSULTANCY GROUP

ENG. ABUL KALAM
Design, Supervision & Construction

ALB

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Arab Engineering Bureau

JAMESCURTIS
JAMESCURTIS PARTNERS

MISRCONSULT
ميسر كونسلتانس

UNITED CONSULTANTS

MZ&PARTNERS
Architects & Engineering Consultants

LACASA
Architects & Engineering Consultants

durcrete
10 Jahre Ingenieurleistung für Ihren Erfolg
Ultra High Performance Concrete UHPC

Thompson Turner
Construction

erga | QATAR

SKETCH
Engineering Consulting Office

ECG
مجموعة الاستشارات الهندسية
ENGINEERING CONSULTANTS GROUP S.A.

ARABTECH JARDANEH
engineers & architects

APG
Architecture & Planning Group

C&C
Consulting Engineering Complex

مجموعة الخليج الاستشارات
GULF CONSULTING GROUP

HIGHNESS
ARCHITECTURE & INTERIORS

QATAR HOME
Design & Engineering Consultants

P&T GROUP

KALLIERGOS O.T.M.
CONSULTING ENGINEERING COMPANY

CONTRACTORS

midmac
contracting company s.r.l.

مدماك
مجموعة شركات المدماك
Medamak Contracting Company

Drake & Scull

HLC

HABTOOR
LEIGHTON
GROUP

REDCO CONSTRUCTION - ALMANA
ردكو للإنشاءات - المانه

HATCO
HATCO TRADING & CONTRACTING CO.

UCC
أوبيكون للتجارة والمقاولات
UrbaCon Trading & Contracting

MAN
ENTERPRISE

arabtec
Construction

GET
GENERIC ENGINEERING
TECHNOLOGIES W.L.L.

MEDGULF
CONSTRUCTION CO. W.L.L.

AL HASSAN
INTERNATIONAL
المهندس العالمية

ergo
home group

CRC
DORRA
المشورة الهندسية للإنشاء والتعمير
Construction & Reconstruction
Engineering Co.

FYAP

البلاغ
AL-BALAGH
لتجارة والمقاولات

ITALIANA
COSTRUZIONI

Khayyat
Contracting & Trading

ALISAZ INT'L

DAEWOO E&C

GCT
مجموعة شركات الجي سي تي
General Contracting & Engineering

SAK CONTRACTING
للمشاهلات

Pentagram Design
Design and Contracting

GULF
CONTRACTING CO. W.L.L.

DGC
Doha Group
مجموعة الدوحة

SEC
الشحن للأعمال الهندسية
AL SHANNON ENGINEERING

BOJAMHOOR
Trading & Contracting company qatar group

The image is a composite of three black and white photographs. The top photo shows two workers in protective gear handling materials. The middle photo shows a large industrial hall with a yellow overhead crane labeled 'SWF CraneKit 5.0 t' and various construction materials. The bottom photo shows the exterior of a building with a sign in Arabic and English, and a white bus parked in front. The text 'Committed to Excellence' is overlaid on the middle photo.

Committed to Excellence

New Industrial Area Qatar
P.O. Box: 220 – Doha, Qatar
info@dcs-qatar.com