

**Qatar Engineering & Construction Co. W.L.L.**

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# **Qcon Electrical & Instrumentation**

***Electrical Substation Works***

***Instrument & Telecom Works***

***Shutdown & Maintenance Works***

***HV Transformer Installation***

***Transformer Oil Filtration***

***Hiring of Test Equipment***

***Hiring of Diesel Generator Set***

***Qualified Manpower Supply***



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# 1. Qcon Electrical & Instrumentation Department Scope

Welcome to Qcon,

Qatar Engineering & Construction Company WLL [Qcon] is a local Qatari Company.

The Company was originally formed as Mideast Constructors [MECON] in 1974 and incorporates as limited company in 1976, a wholly-owned subsidiary of Mannai signed a landmark agreement whereby all personnel, systems, assets and continuing activities of MECON were acquired by a new joint venture shareholding company, Qatar Engineering & Construction Company WLL [Qcon].

Qcon's capabilities include on and offshore large project and construction management, fabrication, construction and installation of structures, furnaces, process and other piping; fabrication and erection of cryogenic and ambient storage tanks; fabrication and installation of modular skids; fabrication, load-out and offshore hook-up of jackets and topsides, civil, structural, mechanical, electrical and instrumentation works in connection with EPIC and general construction projects; preventive and shutdown plant maintenance and refurbishment works, plant revamping and debottlenecking works; planned maintenance management and contracting; detailed engineering services.

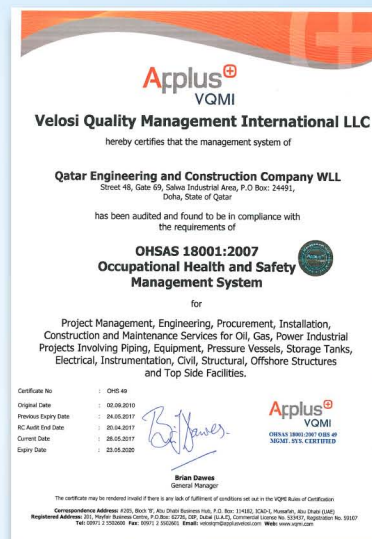
We take the opportunity to emphasize a number of characteristics that set us apart from most other local and regional contractors:

## ISO CERTIFIED COMPANY [NEW CERTIFICATE]

1. ISO 9001:2008 **Quality Management System**
2. ISO 14001:2004 **Environmental Management System**
3. OHSAS 18001:2007 **Occupational Health and Safety Management System**

## DEPARTMENT SCOPE

- Electrical Substation Projects
- Instrument Projects
- Telecom Projects
- F&G Projects
- Involved in EPC & EPIC Projects
- Shutdown & Maintenance Projects
- All kind of E&I Testing jobs
- HV Transformer (up to 400kV) installation, oil filtration
- Supply of Test equipment with skilled testing technician & Engineers
- Manpower Supply to Qatari operating companies & international operators





## 2. Mission and Vision

### ***Department Mission:***

Qcon's mission is to maintain its leading position as the client preferred National contractor, capable of meeting the diversified needs of its clients in the Construction and Maintenance services, while maintaining high standards in Health, Safety, Environment and Quality towards our employees, customers and community.

### ***Department Vision:***

To be recognized as a reliable service provider by achieving extraordinary results for our customers, building satisfying careers for our people, and earning a fair return on the value we deliver.



### 3. Our Clients

#### **Local & International Clients**

- Chiyoda Almana Engineering LLC
- Qatar Fuel Additives Company Limited
- CTCI Corporation Qatar
- Dolphin Energy Ltd
- Gasal QSC
- RasGas Company Limited
- Qatar Petroleum
- Oryx GTL
- Samsung Engineering Co. Ltd
- Qatar Fertilizer Company
- Qatar Petrochemical Company
- Qatar Gas Operating Company
- Technip Chiyoda JV
- Laffan Refinery
- Abu Dhabi Liquefied Gas Company (ADGAS)
- Qatar Chemical Company Ltd - UAE
- Takreer Refinery (Ruwais ) – UAE
- Qatar Steel
- Occidental Petroleum Corporation

#### **Electrical & Instrument Focused Clients**

- ABB-AG
- ABB-LLC
- Kahrammaa
- Siemens
- Isolux Corsan
- Areva
- Marubeni-Japan
- Ras Abu Fontas Power Station
- Honeywell
- Schneider Electric
- GE
- Hitachi
- Maersk Oil Qatar

## 4. Client Approval

- ◆ **Holder of class 'A' License issued by Ministry of Electricity & Water**
- ◆ **KAHRAMAA-GRADE-1-ELECT-LICENSE-18-08-17**
- ◆ **Holder of Kahrammaa Cable Jointer License**
- ◆ **Registered Contractors with all Oil & Gas / Industrial establishments in Qatar**



اسم المرخص له: شركة قطر للهندسة والإنشاءات			
Name of Licensed Party : QATAR ENGINEERING & CONSTRUCTION CO.W.L.L.			
Grade: 1 <sup>st</sup> Grade (UNLIMITED)		الدرجة: الأولى (حمل غير محدود)	
Date of Issue: 18/8/2016	تاريخ الإصدار:	License Number: 1141	رقم الرخصة:
Expiration Date: 18/8/2017	تاريخ الانتهاء:		
Company ID. No : 11919600	رقم قيد المنشأة:	Comm. Regist. No : 27684	سجل تجاري:
P.O.Box : , Doha 24491	ص.ب:	Fax : 44587201	فاكس:
		Phone: 44587200	هاتف:

- 1- The above mentioned Company /Establishment is authorized to practice the Electrical Contracting Works in the State of Qatar for the duration of this license.
- 2- This License is valid for electrical works that do not exceed 415 Volts.
- 3- The holder of this license is not authorized to execute works with Oil Saturated Sheets Insulated Cables (PILC Cables). If the project requires the application of this type of cables, the holder of this license should refer to Qatar General Electricity and Water Corporation for permission.
- 4- Failure to comply with the condition mentioned above will cause the termination of this license.
- 5- The holder of this license has no right to sell, transfer, or allow any third party to use it. According to the recommendations of the special committee, and under the applied regulations and by laws, Qatar General Electricity and Water Corporation preserves all rights to take any legal or corrective action against the violation of this condition.

- (1) تخول الشركة / المؤسسة المذكورة أعلاه بمزاولة أعمال مقاول كهربائي ضمن حدود دولة قطر مادامت هذه الرخصة سارية المفعول.
- (2) تسري هذه الرخصة على التعميدات التي لا تتعدى 415 فولت.
- (3) هذه الرخصة لا تخول حاملها بمزاولة أية أعمال تتعلق بالكابلات العزولة بالورق المشبع بالزيت (كابلات الـ PILC) و متى كان المشروع يتطلب استخدام هذه النوعية من الكابلات ، استوجب على المقاول الحامل لهذه الرخصة أن يتقدم إلى المؤسسة العامة القطرية للكهرباء والماء للحصول على تصديق بذلك .
- (4) عدم التقيد بهذا الإجراء سيؤدي إلى إلغاء الرخصة.
- (5) لا يحق بأي شكل من الأشكال للشركة / المؤسسة حاملة هذه الرخصة بيعها أو التنازل عنها أو السماح لأي طرف ثالث باستعمالها. و للمؤسسة العامة القطرية للكهرباء و الماء الحق في ظل النظم و اللوائح التنفيذية المعمول بها اتخاذ التدابير و الإجراءات اللازمة و المناسبة تجاه أية مخالفات من هذا النوع استنادا لتوصيات اللجنة المختصة بهذا الشأن.

### Note:

The company will be re-qualified by the Installations Section after the expiration of this license.

سيتم إعادة تأهيل الشركة بعد انتهاء الرخصة من قبل قسم التعميدات.



Manager, Customer Services Department



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## 4. Manpower

DISCIPLINE	PROFESSIONAL	ENGINEERS	TECHNICIAN	TOTAL
ELECTRICAL	14	10	161	185
INSTRUMENT	8	13	85	106
<b>TOTAL</b>				<b>291</b>



## 4. E&I Testing Equipment

### ELECTRICAL TEST EQUIPMENT



Electrical Test Equipment	Quantity	Unit
CPC 100	7	Nos.
CT ANALYZER	6	Nos.
CMC-256	7	Nos.
800A DC LOAD BANK HILLSTONE	1	No.
EARTH TESTER	3	Nos.
5KV MEGGER	7	Nos.
1 KV MEGGER	26	Nos.
FR ANALYZER	1	No.
AC HI-POT	2	Nos.
TAN DELTA KIT	2	Nos.
FREEZA-300	3	Nos.
TTR-TESTER	1	No.
DC-HIPOT	1	No.
CB ANALYZER	2	Nos.
ISA-800 Amps	1	No.
SMC-4000A	1	No.
VLF KIT	2	Nos.
ODEN KIT	1	No.
BDV OIL TEST KIT	3	Nos.
STEP AND TOUCH OMICRON CPCU20	1	No.
CPC CURRENT BOOSTER	6	Nos.
TTR- TESTER	1	No.
1 PHASE AUTO	2	Nos.
CLAMP METER	19	Nos.
MULTIMETER	96	Nos.
MINIPINCE	47	Nos.
PHASE SEQUENCE	11	Nos.
PHOENIX-10,000 AMP	1	No.
GROUND TESTER	3	Nos.
CABLE ID PRINTERS	32	Nos.
STEP&TOUCH-TXR	1	No.
PHASE SHIFTER	1	No.
POWER ANALYZER	2	Nos.
OSCILSCOPE	1	No.
FLUKE-725-MULTI FUNCTION CALIBRATOR	1	No.
CASIO LABEL PRINTER	1	No.
TACHO METER	3	Nos.
DIGITAL THERMOMETER	7	Nos.
LUX METER	3	Nos.
CABLE REEL	11	Nos.



## ELECTRICAL TEST EQUIPMENT



Electrical Test Equipment	Quantity	Unit
PHASE SELECTOR	1	No.
PHASE LOCATOR	1	No.
VIBRATION METER	4	Nos.
PHASE ROTATION TESTER	1	No.
REHOSSTED,DIMMERSTAT	4	Nos.
FLUKE-87 V EX MULTIMETER	6	Nos.
FR ANALYZER	1	No.
LINE AND LOOP IMPEDANCE TESTER	1	No.
SINGLE POLE TIMER	1	No.
STEP AND TOUCH OMICRON CPCU20	1	No.
INSTALLATION TESTER	1	No.
PHASE SEQUENCE & MOTOR ROTATION TESTER	4	Nos.
LASER LINE MARKER	1	No.

## INSTRUMENTATION TEST EQUIPMENT



Instrument Test Equipment	Quantity	Unit
DC POWER SUPPLY	10	Nos.
HYDRAULIC PRESSURE COMPERATOR	5	Nos.
DECADE RESISTANCE BOX	14	Nos.
DIGITAL MANOMETER	6	Nos.
DIGITAL MULTIMETER	89	Nos.
HART COMMUNICATOR - 375	1	No.
HART COMMUNICATOR - 475	1	No.
LOOP CALIBRATOR	11	Nos.
PRESSURE CALIBRATOR (HAND HELD)	21	Nos.
MEGGER	17	Nos.
mA/mV SOURCES	11	Nos.
DRUCK PRESSURE CALIBRATOR	10	Nos.
STANDARD TEST GAUGE	60	Nos.
TEMPERATURE CALIBRATOR (BATH)	5	Nos.
DEAD WEIGHT TESTER	5	Nos.
CABLE ID PRINTER	16	Nos.
CLAMP ON METER	3	Nos.
COMPARATOR	2	Nos.
CONTINUITY INDICATOR	1	No.
DIGITAL PRESSURE GAUGE	1	No.
FIELD CALIBRATOR	1	No.
FUNCTION GENARATOR 24 MHZ	1	No.
HYDRAULIC PUMP (BUCKET)	3	Nos.
HYGROMETER	2	Nos.
DC CURRENT SOURCE	1	No.
LABEL PRINTER	3	Nos.
LOOP VALIDATOR	8	Nos.
LUX TESTER	1	No.
MERCURY GLASS THERMOMETER	27	Nos.
MULTIFUNCTION CALIBRATOR	4	Nos.
PHASE & CONTINUITY INDICATOR	1	No.
PNEUMATIC CALIBRATOR	1	No.
PRESSURE CALIBRATOR (SQUEEZE BULB)	4	Nos.
PRESSURE CALIBRATOR	2	No.
PT100-SIMULATOR	1	No.
RTD CALIBRATOR	1	No.
T/C LOOP CALIBRATOR	2	Nos.
TAG PUNCHING MACHINE	2	Nos.
TX SIMULATOR	2	Nos.
VELOCITY METER	1	No.



## INSTRUMENTATION TEST EQUIPMENT



Instrument Test Equipment	Quantity	Unit
WEIGHING SCALE ELECTRONIC	2	Nos.
WEIGHT SET	2	Nos.
mA/mV CALIBRATOR	3	Nos.
mV SOURCE	1	No.
PORTABLE HYDRAULIC COMPARATOR	2	Nos.
RC/RTD CALIBRATOR	1	No.
THERMOCOUPLE CALIBRATOR	2	Nos.
VOLTAGE / CURRENT LOOP CALIBRATOR	2	Nos.

## 5. E&I Project

**Project: ABB - 400KV Substation Installation & Commissioning Works for Umm Al Houf Power**

**Client: ABB-AG**

**Value: \$ 3 Million**

**Completion Date: February 2018**



**Project: West Bay Kahrammaa Substation**

**Client: Siemens**

**Value: \$ 6.3 Million**

**Completion Date: 2007**



**Project: EPC and Commissioning of Industrial Water Management Project (IWMP)**

**Client: Dolphin Energy**

**Value: \$ 65 Million**

**Completion Date: December 2017**





**Project: Kahrammaa Substation Project**  
**Client: ABB-AG**  
**Value: \$ 50 Million**  
**Completion Date: May 2010**



**Project: EPIC of Tank Farm Expansion Project**  
**Client: Dolphin Energy**  
**Value: \$ 220 Million**  
**Completion Date: April 2012**



**Project: Kahrammaa Substation Project**  
**Client: Siemens**  
**Value: \$ 8 Million**  
**Completion Date: March 2010**

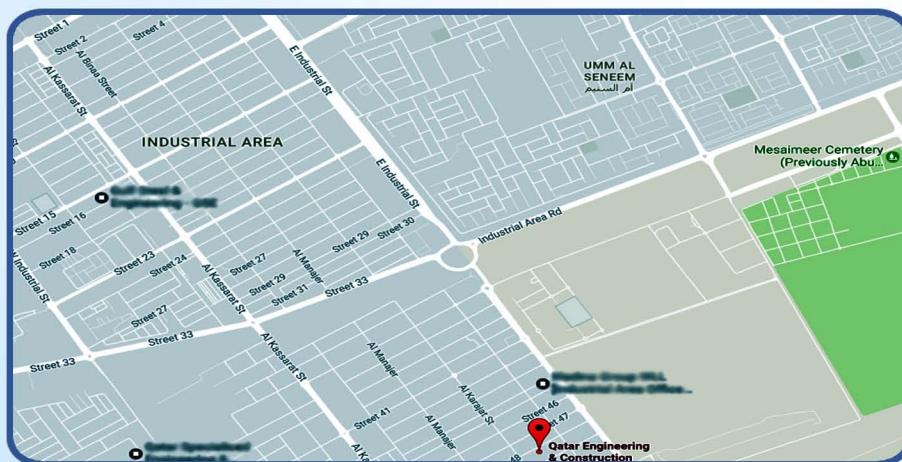


## 6. Facilities

### Qcon RAS LAFFAN HQ



### Qcon SALWA INDUSTRIAL OFFICE





## 9. Contact Details

### HEAD OFFICE

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### Qcon E&I DEPARTMENT CONTACT PERSONS

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# Qcon OTHER SERVICES:



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Finishes & External Works  
MEP Works  
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## Qcon CIVIL CONSTRUCTION SERVICES



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