

AL SHOLA AL MODEEA GAS DIST. LLC

(Civil Defence Approved Company)



COMPANY PROFILE & PREQUALIFICATION DOCUMENT

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INTRODUCTION



AL SHOLA AL MODEA GAS DISTRIBUTION LLC or **AL SHOLA GAS LLC (ASG)** in short, is one of the leading Engineering and Distribution Company in the LPG Industry.

ASG was established in 1990 has been in operations in Dubai for last 22 years. The company was founded under the able leadership of Mr. Mohammed Hilal Saeed Saif Al Muroushedi, a young and dynamic Emirati with brilliant business acumen & Mr. Safir Ahammed, an Indian businessman & civil engineer by profession. Under the able guidance of Mr. Safir, the company has grown to a well sized establishment. Today we are one of the leading suppliers & contractors of LPG centralized pipe line systems.

Al Shola Gas LLC is affiliated & approved by 'General Directorate of Civil Defence', Govt. of Dubai, U.A.E as 'Central Gas Contractor' & LPG Supplier'.

ASG is an ISO 9001-2008 certified company for quality management system, offering a wide range of services including Design, Consultation, Supply, Installation and Commissioning of Central Gas Systems, LPG – Cylinders Distribution, LPG – Bulk Distribution and LPG Systems Preventive Maintenance. ASG can provide you with a bespoke service allowing you to have one company service all your LPG related requirements which suit your needs perfectly.

The current company activities are:

1) CENTRAL GAS SYSTEM (LPG):

- Design, Supply, Construct, Operate & Maintain (with DCD certification)
- Design Consultancy & Project Management.
- Repair and Preventive Maintenance
- Billing & Monitoring Systems

2) LPG SUPPLY & DISTRIBUTION (Cylinder & Bulk)

CENTRAL GAS SYSTEM

Activities include design, supply & installation of above & belowground LPG tanks, including all pipeline & instrumentation. We specialize in installation of:

- Installation & Commissioning of LPG, Propane and SNG Compatible Systems
- Pressure Reducing & Distribution Stations
- GasLeak Detection Systems
- LPG Metering Stations
- Vaporizer system
- Deluge, Sprinklers systems and related Safety systems.

The activity includes designing and developing extensive LPG pipeline network for Commercial Buildings, Mixeduse Apartment Complexes, Shopping Complexes, Food Courts, Heavy Industries, Labour Accommodations, Catering Units, Commercial Kitchens, Restaurants, using LPG Tanks and Cylinders.

We highlight the importance of safety in all our projects considering the volatility of LPG as per the norms and standards laid out by Civil Defense. Along with all our projects we issue warranty and safety standards certificates as per the Civil Defense guidelines. Our USP is providing clients with the best solutions keeping in mind the economics of scale and more importantly Safety Standards. The equipments and accessories used are as per International Safety Standards. We also get approval for cylinder manifold system with special permission.

We develop customized LPG Pipeline Infrastructure for all kinds of requirements varying from as little as 3 points to over 1000 cooking points. Based on customer requirements Safety Systems are implemented from the basic to the most comprehensive.

LPG DISTRIBUTION - CYLINDERS

We have one of the leading LPG distribution network in Dubai. Along with our sister concern Oasis Gas; we are one of the top three in LPG Distribution in Dubai. Currently we have over 40 outdoor sales people and Drivers with 18 nos. 3 ton trucks, 2 nos. 2 ton trucks and 2 nos. 1.5 ton trucks plying the roads of Dubai. The sales team is well supported by a centralized call center and strong telesales team and administration staff. On an average we distribute over 20,000 LPG Cylinders a month.

ASG has dedicated and exclusive distribution agreement with Master Developers like NAKHEEL (Gardens), DUBAI PROPERTIES GROUP (Shoroog, Ghorroob and Layan Communities).

LPG DISTRIBUTION – BULK GAS

ASG is an approved supplier for Bulk LPG in the market. We outsource our Bulk LPG from Emirates General Petroleum Corporation (EMARAT). Currently we are distributing over 500,000 L of Bulk LPG in Dubai. As per the expansion plans ASG will be in a position to deliver over 1,000,000 L of Bulk LPG every month by the end of the year. Currently our fleet has 2 Nos. of 18,000 L Capacity Trucks and 1 Nos. of 25,000 L Capacity Truck.





LEGAL DOCUMENTS



إدارة السلامة النيرانية - إدارة لعمليات الشركات



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

ترخيص تركيب وصيانة الفئة الرابعة +D (أنظمة الغاز)

تم إصدار الترخيص استناداً إلى القرار الوزاري رقم (24) لسنة 2014 ، في شأن تنظيم خدمات الدفاع المدني

رقم الترخيص: D+/27
سنة الترخيص: 2015
عدد التراخيص: 1 - 1

رقم السجل	222413	رقم الرخصة	الشعبة المضيفة لتوزيع الغاز (ش.ذ.م.م)
الإمارات		الجنسية	محمد هلال سعيد سيف المرشدي
الهند		الجنسية	سفير احمد محمد ابو بكر
ص.ب:	971-4-3961741	رقم الفاكس	971-4-2673291
تاريخ الانتهاء	2015/12/13 م	تاريخ الإصدار	1990/03/18 م
عدد الفنيين المعتمدين	1	عدد الأنظمة (تركيب وصيانة)	
عدد الفنيين المعتمدين	3	عدد المهندسين المعتمدين	

مكتب (112) ملك دبي العالمية للعقار - بر دبي - الكرامة

alshola@eim.ae



يعتمد عن مدير الإدارة العامة للدفاع المدني/دبي

إدارة السلامة الإقليمية - إدارة لعمليات الشركات



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

9997

www.dcd.gov.ae

رقم الترخيص: D+/27
سنة الترخيص: 2015
عدد التراخيص: 1 - 1

اسم الشركة

الشعلة المضئبة لتوزيع الغاز (ش.ذ.م.م)

مجال الشركة

*حجم المشاريع عدد غير محدد من الطوابق *غير محدد المساحة / أنظمة الغاز

كشف المعدات والأجهزة المعتمدة المراد صيانتها

النظام

الشركة معتمدة لترتيب أنظمة الغاز المركزي وفق متطلبات واشتراطات الدفاع المدني وتحت إشرافه.

THIS COMPANY IS APPROVED FOR INSTALLATION OF CENTRAL GAS SYSTEMS AND GAS TANKS AS PER THE REQUIRMENTS AND SUPERVISION OF CIVIL DEFENCE.

1. إبلاغ الإدارة العامة للدفاع المدني - دبي في حالة تغيير أو تعديل في البيانات المسجلة في الترخيص الصادر من قبل الإدارة.
2. يجب على الشركة المعتمدة لدى إدارة الدفاع المدني - دبي إبراز الترخيص من قبل الترخيص الخاص بالمعدات المعتمدة والصادر من قبل الإدارة والعمل، وغير الشركة تحمل المسؤولية عند انتهاء الترخيص أو إغلاق الشركة.
3. في حال إلغاء الترخيص أو انقضاء مدة الترخيص، يجب إبلاغ الإدارة العامة للدفاع المدني - دبي بطلب الإلغاء وتسليم بطاقة المهندس أو الفني الأصلي - يجب تقديم نسخة من إلغاء الترخيص.

ملاحظة:

يعتمد عن مدير الإدارة العامة للدفاع المدني/دبي





رخصة تجارية
Commercial License

تفاصيل الرخصة / License Details

License No.	222413	رقم الرخصة
Company Name	AL SHOLA AL MODEA GAS DISTRIBUTION (L.L.C)	اسم الشركة الشعلة المضينة لتوزيع الغاز (ش.ذ.م.م)
Trade Name	AL SHOLA AL MODEA GAS DISTRIBUTION (L.L.C)	الإسم التجاري الشعلة المضينة لتوزيع الغاز (ش.ذ.م.م)
Legal Type	Limited Liability Company(LLC)	الشكل القانوني ذات مسؤولية محدودة
Expiry Date	17/03/2017	تاريخ الإنتهاء
Issue Date	18/03/1990	تاريخ الإصدار
D&B D-U-N-S ® No.	534500913	الرقم العالمي
Main License No	222413	رقم الرخصة الام
Register No.	1029961	رقم السجل التجاري
DCCI No.	18782	عضوية القرقة

اطراف الرخصة / License Members

Share / الحصص	Role / الصفة	Nationality / الجنسية	No. / رقم الشخص	Name / الاسم
	Manager / مدير	India / الهند	247542	منجيب سفير سفير احمد
	Manager / مدير	India / الهند	151847	سفير احمد محمد ابو بكر

نشاطات الرخصة التجارية / License Activities

Specialized Piping & Related Fittings Contracting	تركيب شبكات الانابيب والتجهيزات التخصصية
Cookers & Cookstoves Trading	تجارة المواقد والافران والطابخات
Domestic Gas Distribution	توزيع الغاز المنزلي
Central Gas Tanks Filling	تعبئة خزانات الغاز المركزية

العنوان / Address

Telephone	971-4-2673291	تليفون	P.O. Box	26111	صندوق البريد
Fax	971-4-3961741	فاكس	Parcel ID	318-131	رقم القطعة
Mobile No	971-50-6563568	الهاتف المتحرك			مكتب (112) ملك دبي العالمية للعقار - بر دبي - الكرامة

ملاحظات / Remarks

تم اضافة نشاط بتاريخ 2012/05/27 ** تم اضافة الشريك والمدير وتغيير الموقع من السابق في 2013/02/14

Print Date 20/03/2016 8:12 تاريخ الطباعة Receipt No. 12250200 رقم الإيصال

Activity Owners	الجهات التي لها صلاحية متابعة التنظية
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(وثيقة إلكترونية معتمدة وصادرة بدون توقيع من دائرة التنمية الاقتصادية، لمراجعة صحة البيانات الواردة في الرخصة برجاء زيارة الموقع <http://www.dubaied.gov.ae>)

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<http://www.dubaied.gov.ae>



ملحق الشركاء
Partners

تفاصيل الرخصة / License Details

D&B D-U-N-S ® 534500913 License No. 222413 رقم الرخصة
No.

أصحاب الرخصة / License Partners

Sr. No. / مسلسل الشخص	Nationality / الجنسية	Name / الاسم
51.0000000 % 27399	الإمارات / United Arab Emirates	محمد هلال سعيد سيف المرؤثي
25.0000000 % 247542	الهند / India	سنجيب سيفير احمد
24.0000000 % 151847	الهند / India	سيفير احمد محمد ابو بكر

Print Date 20/03/2016 8:12 تاريخ الطباعة Receipt No. 12250200 رقم الإيصال

Activity
Owners

الجهات التي لها
صلاحية متابعة أنشطة

(وثيقة إلكترونية معتمدة وصادرة بدون توقيع من دائرة التنمية الاقتصادية. لمراجعة صحة البيانات الواردة في الرخصة برجاء زيارة الموقع <http://www.dubaied.gov.ae>)

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شهادة شهر قيد شركة في السجل التجاري
Commercial Register

تفاصيل القيد / Register Details

Main Lice. Nr	222413	رقم الرخصة الأم	Register No.	1029961	رقم القيد
Company Name	AL SHOLA AL MODEA GAS DISTRIBUTION (L.L.C)			الشعلة المضينة لتوزيع الغاز (ش.ذ.م.)	الاسم التجاري
Legal Type	Limited Liability Company(LLC)			ذات مسئولية محدودة	الشكل القانوني
Expiry Date	17/03/2017	تاريخ الإنتهاء	Reg. Date	01/04/1990	تاريخ الإصدار
D&B D-U-N-S ® No		534500913			الرقم العالمي

تفاصيل رأس المال / Capital Details

Nominated	300,000	الإسمى
Paid	300,000	المدفوع
No. of Shares		عدد الأسهم
Currency	UAE Dirhams	العملة
		درهم اماراتي

عنوان الرخصة / License Address

مكتب (112) ملك دبي العالمية للعقار - بر دبي - الكرامة

عنوان السجل التجاري / Commerce Registry Address

مكتب (112) ملك دبي العالمية للعقار - بر دبي - الكرامة

أنشطة السجل / Register Activities

Specialized Piping & Related Fittings Contracting	تركيب شبكات الانابيب والتلميدات التخصصية
Cookers & Cookstoves Trading	تجارة المواقد والافران والطابخات
Domestic Gas Distribution	توزيع الغاز المنزلي
Central Gas Tanks Filling	تعبئة خزانات الغاز المركزية

Print Date 20/03/2016 8:12 تاريخ الطباعة Receipt No. 12250200 رقم الإيصال

Activity Owners الجهات التي لها صلاحية متابعة أنشطة

(وثيقة إلكترونية معتمدة وصادرة بدون توقيع عن دائرة التنمية الاقتصادية. لمراجعة صحة البيانات الواردة في الرخصة برجاء زيارة الموقع <http://www.dubaided.gov.ae>)

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شهادة تسجيل العضوية Membership Certificate

License no.	222413	رقم الرخصة	222413
Membership no.	18782	رقم العضوية	18782
Registration no.	1029961	رقم السجل التجاري	1029961
Trade Name	AL SHOLA AL MODEA GAS DISTRIBUTION (L.L.C)	الاسم التجاري	الشعلة المضئنة لتوزيع الغاز (ش.ذ.م.م)
Legal Status	Limited Liability Company	الشكل القانوني	شركة ذات مسؤولية محدودة
Activity	Cookers and cook stoves trading * Domestic gas distribution * Specialized piping & related fittings contracting * Central gas tanks filling	نوع النشاط	تجارة المواقد والأفران والطباخات * توزيع الغاز المنزلي * تركيب شبكات الأنابيب والتتمديدات التخصصية * تعبئة خزانات الغاز المركزية
Member Since	25/03/1990	تاريخ الانتساب	25/03/1990
Date of Issue	20/03/2016	تاريخ الإصدار	20/03/2016
Expiry Date	17/03/2017	تاريخ الانتهاء	17/03/2017

Remarks

This certificate shall be invalid incase of any alteration without chamber's authorization

For online verification of this Certificate, please visit our website <http://www.dubaichamber.ae/verify>

غرفة تجارة وصناعة دبي
Dubai Chamber of Commerce & Industry

P.O. Box 1457 - Dubai, U.A.E. | Tel (Within UAE) 800 CHAMBER (800 2426237) | Tel (Outside UAE) (+971) 4 2280000 هاتف
Fax (+971) 4 2211646 فاكس | customercare@dubaichamber.ae | www.dubaichamber.ae

الملاحظات

تعتبر هذه الشهادة لاغية في حال أي كسب أو تعديل عليها دون اعتماد ذلك من الغرفة

للتأكد من صحة بيانات الشهادة يرجى الرجوع إلى موقع الغرفة <http://www.dubaichamber.ae/verify>



Bureau of Assessment Services

Managing Assurance with Confidence

Certificate of Registration

This is to certify that

Al Shola Al Modea Gas Distribution LLC

P.O. Box: 26111, Al Karama, Dubai, United Arab Emirates.

has been assessed by Bureau of Assessment Services and hereby attests that the organization complies with the requirements of Quality Management System in accordance with

ISO 9001:2008 (Quality Management System)

The Quality Management System is applicable to:

Installation and Commissioning of Central Gas Systems with Specialized Piping & related Fittings, Supply of LPG Domestic Gas, LPG Bulk Gas and Annual Maintenance for Central Gas Systems.

[EA/NACE: 28/43.22]

Initial certification date	: 05-September-2012
Certificate issue date	: 17-February-2016
Certificate valid till	: 04-September-2018
Certificate No	: AE-BAS-Q0003613


 Certification Manager
 Bureau of Assessment Services



This certificate is validated through annual surveillance



Further clarification regarding the scope of the certificate and the applicability of ISO 9001:2008 requirements may be obtained by consulting the organization.

This certificate remains valid while the holder maintains the management system in accordance with the standard above, which will be audited by Bureau of Assessment Services through surveillance audits. This certificate remains the property of Bureau of Assessment Services. Lack of fulfillment of conditions as set out in the certification agreement may render this certificate invalid.

Issuing Country: Bureau of Assessment Services LLC, P.O. Box: 116898, Al Karama, Dubai, United Arab Emirates.

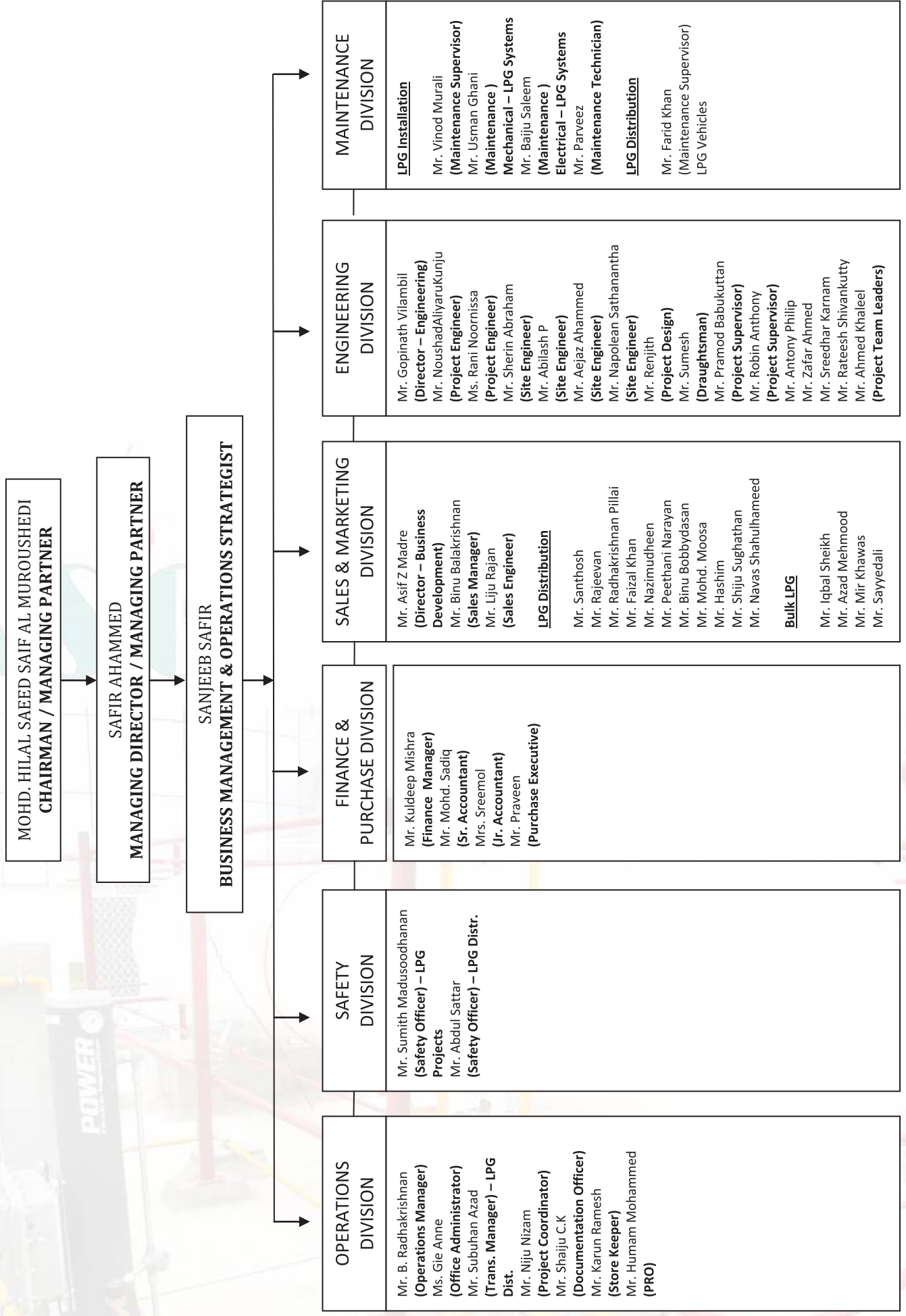




ORGANISATION CHART



ORGANIZATION CHART



ENGINEERING TEAM



TEAM AT WORK

















PROJECT DETAILS



PROJECTDETAILS

Here with we are listing some of our prominent projects and clients that we have implemented successful solutions in the last three years.

PROJECT : METCLUB, JEBEL ALI FREEZONE

CLIENT : AL HABTOOR GROUP

CONSULTANT : WAGNER FIRE & SAFETY LLC

APPROVAL : EHS & CED DEPT, JAFFZA

PROJECT VALUE : AED 520,000.00

TANK CAPACITY : 7000 LTS, 1 NO WITH V

TYPE : UNDERGROUND

PROJECT : DEWA-JEBEL ALI M SUBSTATION

CLIENT : DEWA-JEBEL ALI M SUBSTATION

CONSULTANT : FICHTNER CONSULTING ENGINEERS

CONTRACTOR : DOOSAN HEAVY INDUSTRY & CONSTRUCTION

APPROVAL : DUBAI CIVIL DEFENCE

PROJECTVALUE : AED 1, 480,000.00

TANKCAPACITY : 5000LTS, 6 NOS A/G, MULTIPLE LEVEL, DESIGN & IMPLEMENTATION TYPE.



PROJECT : AL SHAMSI STAFF ACCOMODATION & LABOUR QUARTERS, SONAPUR (G+3)
CLIENT : GOLDLINEGROUP
APPROVAL : CIVILDEFENCEAPPROVAL
PROJECTVALUE : AED 540,00.00
TANKCAPACITY : 2000 LTRS CAPACITY, 3 NOS., WITH DELUGE & SPRINKLER SYSTEMS
TANK TYPE : ABOVEROOF



PROJECT : PROPANE BASED TANK FOR POWDER COATING PLANT IN JEBEL ALI IND. AREA
CLIENT : HIBUILD CONSTRUCTION LLC
APPROVAL : CIVIL DEFENCE APPROVAL
PROJECTVALUE : AED 700,000.00
TANKCAPACITY : 7000 LTS, 1NOS., WITH VAPORIZER
TANK TYPE : UNDERGROUND



PROJECT : STAFF ACCOMODATION, DIP
CLIENT : CORROSIONTECHNICALSERVICESLLC
CONTRACTOR : ABRAJ ELECTRO MECHANICAL
CONSULTANT : PARADISE HOME ENGINEERING CONSULTANCY
APPROVAL : CIVILDEFENCEAPPROVAL
PROJECTVALUE : 140,000AED
TANKCAPACITY : 2000LTS, 1NOS., WITH VAPORIZER, SPRINKLER AND DELUGE SYSTEM
TYPE : ABOVEGROUND



PROJECT : AL KHAIL MALL WITH 12 OUTLETS
CONSULTANT : ARC INTERNATIONAL
APPROVAL : DUBAI CIVIL DEFENCE
PROJECTVALUE : 1,000,000.00AED
TANKCAPACITY : 7090LTS, 1NO., WITHVAPORISER, SPRINKLER AND DELUGESYSTEM, PIPING NETWORK WITH COMPREHENSIVE DETECTION SYSTEM FOR 12 OUTLETS INCLUDING CONTROL PANEL, GAS METER AND OTHER SAFETYCOMPONENTS
TYPE : ABOVEGROUND



PROJECT : LE MERIDIEN MINA SEYAHI HOTEL SPA & RESORTS
CONSULTANT : BREWER SMITH BREWER GULF
CONTRACTOR : BIN SHAFAR CONTRACTING
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 640,000.00



PROJECT : DFAC AT BAGHRAM AIRBASE, AFGHANISTHAN
CLIENT : US ARMY
CONSULTANT : ENGINEERING CORPS – US ARMY
APPROVAL : INSPECTION DEPARTMENT – US ARMY
PROJECT VALUE : AED 1,963,000.00
TANK CAPACITY : 30,000 LTS 2 NOS WITH VAPOZER
TYPE : UNDERGROUND

PROJECT : JOSEPH INDUSTRIES
CLIENT : JOSEPH GROUP
CONSULTANT : WAGNER FIRE & SAFETY LLC
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 220,000.00
TANK CAPACITY : 4880 LTS, 1 NO WITH VAPORIZERS
TYPE : ABOVEGROUND

PROJECT : FIRST GULF PROPERTIES – STAFF ACCOMMODATION, DIP
CLIENT : FIRST GULF BANK
CONSULTANT : AL JABAL CONSULTING ENGINEERING
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 511,000.00
TANK CAPACITY : 7000 LTS, 1 NO WITH VAPORIZERS
TYPE : ABOVEGROUND

PROJECT : GILLANI BUILDING MIXED USE RESIDENCE – 92 APARTMENTS
CLIENT : FIRST GULF PROPERTIES
CONSULTANT :
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 190,000.00
TANK CAPACITY : 2000 LTS, 1 NO WITH VAPORIZER
TYPE : ABOVEGROUND

PROJECT : G + 3, AL QUOZ – 32 APARTMENTS
CLIENT : PRAKASH TRADING
CONSULTANT : ARC INTERNATIONAL
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 185,000.00
TANK CAPACITY : 2000 LTS, 1 NO
TYPE : ABOVEGROUND

PROJECT : BELHASA LABOUR ACCOMMODATION – 4 BUILDINGS
CLIENT : BELHASA ENGINEERING AND CONTRACTING
CONSULTANT : WAGNER FIRE & SAFETY LLC
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 684,000.00
TANK CAPACITY : 7000 LTS 1, 4880 LTS 1, 1825 LTS 2
TYPE : UNDERGROUND

PROJECT : B+G+7 APARTMENT BUILDING - 63 APARTMENTS
CLIENT : AMIN MOHAMED AL SHARIF
CONSULTANT : ENG. ADNAN SAFFARANI
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 175,000.00
TANK CAPACITY : 1825 LTS
TYPE : ABOVEGROUND

PROJECT : 2B + G + 9 - 72 APARTMENTS
CLIENT : CITY DIAMOND CONTRACTING
CONSULTANT : ARKIPLAN CONSULTING ARCHITECTS & ENGINEERING
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 215,000.00
TANK CAPACITY : 2000 LTS, 1 NO WITH VAPORIZERS
TYPE : ABOVEGROUND

PROJECT : 2B + G + 13 - 80 APARTMENTS
CLIENT : BELHASA ENGINEERING & CONTRACTING
CONSULTANT : DESIGN CONCEPTS
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 225,000.00
TANK CAPACITY : 7000 LTS, 1 NO WITH VAPORIZERS
TYPE : ABOVEGROUND

PROJECT : 2B + G + 47 + R
CLIENT : EMIRATES GRAND HOTEL - SZR
CONSULTANT : ENG. ADNAN SAFFARANI
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 340,000.00
TANK CAPACITY : 4880 LTS, 1 NO WITH VAPORIZER
TYPE : ABOVEGROUND

PROJECT : GURUDUWARA – SIKH TEMPLE, JEBEL ALI
CLIENT : CONDOR
CONSULTANT : HOLFORD ASSOCIATES
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 135,000.00
TANK CAPACITY : 2000 LTS, 1 NO
TYPE : ABOVEGROUND

PROJECT : STAFF ACCOMMODATION IN DIP
CLIENT : DRAKE & SCULL
CONSULTANT : HI ART ENGINEERING CONSULTANTS
APPROVAL : DUBAI CIVIL DEFENCE
PROJECT VALUE : AED 108,000.00
TANK CAPACITY : 1825 LTS 1 NO.
TYPE : ABOVEGROUND

Our other valuable Clients with whom we are associated with

- > **AL JABER LTA ENGINEERING & CONTRACTING – DUBAI**
- > **AL JABER LTA ENGINEERING & CONTRACTING – ABUDHABI**
- > **WESTERN INTERNATIONAL**
- > **OUTLETS IN MALL OF THE EMIRATES**
- > **OUTLETS IN DUBAI MALL**
- > **EMARAT & EPPCO**
- > **AL FAJER CONTRACTING**
- > **AL HUDAIBA CONTRACTING**
- > **NATIONAL CATERING AND CONTRACTING**
- > **WONDERLAND WATER THEME PARK - DUBAI**
- > **INTERNATIONAL CHAIN OF RESTAURANTS – CHILLIS, KFC, PIZZAHUT, COCOS, INDIAN PAVILION, MEATSHOP, NAWAB RESTAURANT, MADO CAFÉ, BAJA FRESH, ORGANO, THYME, WENDYS, NY FRIES, BUTCHER SHOP,**
- > **ABUDHABI – DEPARTMENT OF DEFENCE**
- > **CHELSEA PLAZA HOTEL AND RESORTS - DUBAI**
- > **BELHASA ENGINEERING & CONTRACTING CO. L.L.C.**
- > **PRIME PROJECTS INTERNATIONAL**
- > **ALWATAN ENGINEERING**
- > **TARGET & JIMA**
- > **A.A.ALMOOSA(ARENCO LLC)ENTERPRISES**
- > **FABTECH TECHNICAL SERVICES**
- > **ALBANAA ENGINEERING**
- > **AL SAHEL CONTRACTING**
- > **ASCO INTERNATIONAL**
- > **CONDOR ABELA CO.**
- > **CITY DIAMOND CONTRACTING**
- > **ZABEELCONTRACTING**
- > **AVON CONTRACTING**
- > **PRIDE HOME CONTRACTING**
- > **PETRON EMIRATES**
- > **BU HALEEBA CONTRACTING**
- > **TOPAZ ENGINEERING (NICO INTERNATIONAL)**
- > **JOSEPH ADVERTISERS**
- > **LUTFI GROUP OF COMPANIES**
- > **CREDO INVESTMENT**
- > **MODERN BAKERY**
- > **AL FARIS GROUP OF COMPANIES**
- > **AL AQUILLI GROUP OF COMPANIES**
- > **UNITEDMOTORS**
- > **SARHAD DARBAR GROUP OF RESTAURANTS**
- > **ELEMEC**



JOBS UNDER EXECUTION



NO	CLIENT	DESCRIPTION OF WORK	CONSULTANTS
1	EMIRATES GRAND HOTEL	CENTRAL GAS SYSTEM FOR THE HOTEL BLOCK 2B + G + 47 + R, PROVIDING SERVICES TO PARKING BUILDING AND RESTAURANTS IN THE 1 ST FLOOR, 2 ND FLOOR, 3 RD FLOOR, 41 ST FLOOR, 43 RD FLOOR, 47 TH FLOOR & ROOF TOP – LOCATED IN SHEIKH ZAYED ROAD	ENG. ADNAN SAFFARANI
2	FIRST GULF PROPERTIES	CENTRAL GAS SYSTEM FOR THE LABOUR ACCOMMODATION IN DIP CATERING TO 9 KITCHENS WITH 550 INDIVIDUAL COOKING POINTS – LOCATED IN DIP	AL JABAL CONSULTING ENGINEERING
3	AL REYAMI ELECTRO MECHANICAL LLC	CENTRAL GAS SYSTEM FOR THE GEMS SCHOOL PROVIDING TO THE 2 ND & 3 RD FLOOR PHYSICS & CHEMISTRY LABS – LOCATED IN SILICON OASIS	ARCHITECTUTAL GROUP – STUDIO A CPG CONSULTANT PVT LTD
4	AL HINANI GULF CONTRACTING COMPANY	CENTRAL GAS SYSTEM FOR THE GEMS SCHOOL PROVIDING TO THE 2 ND FLOOR PHYSICS AND CHEMISTRY LABS – LOCATED IN RAK	NATIONAL ENGINEERING BUREAU
5	AL MUSALLA CONTRACTING	CENTRAL GAS SYSTEM FOR THE B+G+7 RESIDENTIAL BUILDING CATERING TO 62 APARTMENTS – LOCATED IN DEIRA	ENG. ADNAN SAFFARANI
6	CITY DIAMOND CONTRACTING	CENTRAL GAS SYSTEM FOR THE 2B+G+9 RESIDENTIAL BUILDING CATERING TO 72 APARTMENTS – LOCATED IN AL QUSAIS	ARKIPLAN CONSULTING ARCHITECTS & ENGINEERING
7	AMBB	CENTRAL GAS SYSTEM FOR THE COMMERCIAL BUILDING AND CATERING TO THE 4 RESTAURANTS IN THE BUILDING – LOCATED IN SHEIKH ZAYED ROAD	WANDERS WEMER FALASI CONSULTING ARCHITECTS
8	AL QASSEM INTERNATIONAL	CENTRAL GAS SYSTEM FOR THE G+6+GYM RESIDENTIAL BUILDING CATERING TO 43 APARTMENTS – LOCATED IN AL WARQA	OBE ARCHITECTS
9	ZABEEL CONTRACTING	CENTRAL GAS SYSTEM FOR THE B+G+7 RESIDENTIAL BUILDING CATERING TO 90 APARTMENTS – LOCATED IN INTERNATIONAL CITY PHASE 3	CHAWLA ARCHITECTURAL & CONSULTING ENGINEERS

NO	CLIENT	DESCRIPTION OF WORK	CONSULTANTS
10	ANSAR MALL	CENTRAL GAS SYSTEM FOR THE APARTMENT BUILDING G + 1, PROVIDING SERVICES TO 30 APARTMENTS – LOCATED IN DEIRA	AL HADARA CONSULTING ENGINEERING
11	ANSAR MALL	CENTRAL GAS SYSTEM FOR THE APARTMENT BUILDING G + 3, PROVIDING SERVICES TO 90 APARTMENTS – LOCATED IN DEIRA	AL GURG CONSULTANTS
12	MANI FOODS	CENTRAL GAS SYSTEM FOR THE INDUSTRIAL CENTRAL FRESH AND PROCESSED FOOD UNIT AND RELATED COOKING FACILITY – LOCATED IN DIP2	AL HADARA CONSULTING ENGINEERING
13	AL ABBAR REAL ESTATE	CENTRAL GAS SYSTEM FOR G+2 AL ABBAR PARK RESIDENCE PROVIDING SERVICES TO 574 APARTMENTS - LOCATED AT DIP-2	
14	MAF HYPERMARKETS LLC	CENTRAL GAS SYSTEM FOR SHINDAGHA SHOPPING MALL REDEVELOPMENT PROVIDING SERVICES TO 13 FOOD COURTS LOCATED IN BUR DUBAI	B & A ENGINEERING CONSULTANTS
15	DUBAI SPORTS CITY	CENTRAL GAS SYSTEM FOR BUILDING B + G + 13 TYP H.C BUILDING PROVIDING SERVICES TO 172 APARTMENTS – LOCATED AT DUBAI SPORTS CITY	ENG ADNAN SAFFARINI
16	DUBAI SPORTS CITY	CENTRAL GAS SYSTEM FOR BUILDING B + G + 19 TYP H.C BUILDING PROVIDING SERVICES TO 266 APARTMENTS – LOCATED AT DUBAI SPORTS CITY	ENG ADNAN SAFFARINI
17	Mr EDRIS MOHD SHARIF ABDULLAH AL AWADHI	CENTRAL GAS SYSTEM FOR BUILDING G + 4 TYP BUILDING PROVIDING SERVICES TO 29 APARTMENTS – LOCATED AT DEIRA	BARAJEEL CONSULTANTS
18	Mr MOHAMMED IBRAHIM BIN OBAIDULLA	G + M + P3 + 12 TYPICAL + ROOF OFFICE & RESID BUILDING ON PLOT NO 246-102 AT AL QUSAIS	ART CONSULTANT
19	WASL	PROP COMM & RESD BUILDING ON PLOT NO 318-1267,318-1268, 318-1269,1270 KARAMA	NATIONAL ENGINEERING BUREAU
20	KHALIFA BIN ZAYED AL NAHYAN FOUNDATION	WEDDING HALL ON PLOT NO 424-454 AT AL WARQA 4 TH - DUBAI	GOLDEN PLANNERS CONSULTANT
21	MEYDAN	PROP DEVELOPMENT & CON OF MEYDAN BUSSINESS PARK AT NAD AL SHIBA ON PLOT NO 618-9338 - DUBAI	TAK

NO	CLIENT	DESCRIPTION OF WORK	CONSULTANTS
22	CREDO	CENTRAL GAS SYSTEM FOR BUILDING 2B + G + 11 TYP H.C BUILDING PROVIDING SERVICES TO 100 APARTMENTS – LOCATED AT DUBAI SILICON OASIS	NATIONAL ENGINEERING BUREAU
23	WASL	PROP COMM & RESD BUILDING ON PLOT NO 318- 7266 LOCATED AT KARAMA - DUBAI	NATIONAL ENGINEERING BUREAU





ABOUT THE SYSTEM



ASG shall furnish the design, supply and installation of central piped gas system as described in the specification all in perfect work to the satisfaction of the engineer and in the accordance with the relevant accepted codes of practice and standards .The system shall meet the requirements of local authorities and civil defense approval. This work shall include but not limited to the following

- a. Storage tank
- b. Gas pipe work
- c. Filling point
- d. Risers/ Laterals/ Droppers
- e. Appliance connection
- f. Gas leak detection system
- g. Pressure regulation and distribution panel
- h. Emergency shut off valve
- i. Seismic valve

The work covered under this section we include

All the supply, installation, testing, commissioning, maintenance and delivering in good operating conditions, of a complete system.

LP GAS STORAGE TANK:

Horizontal tanks shall be installed as per DCD regulations.

The tank is fully equipped with the following

- Magnetic level gauge
- Check lock filler valve
- Multivalve assembly
- Safety relief valve
- Check lock liquid withdrawal valve
- Check lock drain

LPG TANK CONTROL:

There are numbers of fittings mounted on the top of the tank to permit safe filling and use these controls are under a hood, which should be kept locked (if the tank itself is not fenced). The tank should be equipped with a magnetic liquid level indicator.The liquid level indicator (float gauge) gives the customer an approximate indication of the liquid level inside the tank in percentage.

- A fixed maximum level gauge e.g.The vent valve type, with 1.5mm or less orifice diameter.
- A shutoff valve for each connection of the outlet pipes for both gaseous and liquid phases
- A double check filler valve & an isolation valve on the filling connection.
- The 1st stage regulator is fitted to the vapor outlet on the tank.
- Isolation valve is fixed downstream from regulator, in close proximity.

GAS PIPE WORK

Seamless carbon steel (Sch-40) are used in risers, laterals & droppers according to the design. All the pipe work to be kept exposed & painted yellow as per Dubai Civil Defense regulations.

FILLING POINT

Shut off and non-return valves are provided at the filling point, which is located at the LPG tank. Filling point is secured by lockable box.

APPLIANCE CONNECTION

- The final connection to the appliance are in carbon steel the same are risers and it is included a union to allow for easy disconnection.
- Hoses are used on the low pressure side of the regulators.
- Each connection points are provided with a service, close to the appliance so that the equipment can be isolated and removed, without having to shutdown the whole gas supply system.
- Auto shutoff valves (mechanically operated) are provided upstream to each appliance.

GAS LEAK DETECTION SYSTEM

Gas tank and kitchen are protected with a gas leak detection system.

- A central control panel (including sensors) flashing light alarms and horn for 15% level and closing the gas supply at 30% level. 0-100% level indicator each zone.
- The gas control panel is inter locked with the fire alarms panel
- Gas leak detector on the tank area is explosion proof.

PRESSURE REGULATING & DISTRIBUTION PANEL

Panel is located on the ground floor. Enclosure constructed from powder coated aluminum sheet with approved lock and locked doors

- Shut off valves
- Solenoid valve
- Emergency Bypass
- Pressure gauge
- Test/ purging point

EMERGENCY SHUT OFF SYSTEM OF GAS SUPPLY

This system includes

- A control panel linked to LPG sensors at tank yard & kitchen. The panel is also interlinked to fire alarm control panel to provide shutdown in case of fire.
- A Solenoid valve 24 V DC (N/C) linked to control panel
- Cables and accessories
- Emergency push button shut down switch is provided at the kitchen exit to manually shut down the supply of LPG in case of any potential hazardous situation.

FIRE PROTECTION:

- Deluge valve assembly & sprinkler system with mechanical & heat fuse sprinklers as per DCD regulations.
- Dry riser & breaching inlet. This system is used where the pump capacity is not sufficient to supply water for deluge valve, for roof top tanks installation.
- Fire extinguishers, suitable for LPG fire (such a dry powder & CO₂) are located at strategic points adjacent to the installation.
- Provision for interlinking to fire alarm control panel or IFU (for malls) as per DCD regulations
- Hazard warning notice like "No Smoking", "Danger, LPG", are displayed in prominent position around the tank installation.



OUR HSE POLICY



OUR SAFETY SYSTEM

A safety and environmental philosophy is normally developed for the project. It is formulated to ensure that hazards, which can affect the safety of the personnel, the integrity of the facilities and the conservation of the environment, are properly and adequately considered. In doing so, all legislative requirements are observed and complied with and the appropriate codes and standards are introduced onto the execution of work to ensure the retentions of good and well proven engineering practice throughout.

Probable hazards are established by comprehensive analysis. Then appropriate safety and environmental system and procedures are then in corporate into the project.

The principal objectives are:

- To provide a safe working environment for personnel
- To provide minimize the potential of hazardous occurrence
- To avoid exposure to the potential hazards
- To contain or minimize the effect of hazards
- To provide means of escape from hazards
- To provide environment protection

SITE SAFETY MANUAL OUTLINE

A. Prevention Programs

In addition to regular site safety meeting under the direction of the project manager and safety engineer outlined in project execution tool box meeting also be periodically arranged by the members of the ASG's field supervision to remind sub contractor's supervisor and labour of their responsibilities towards ensuring site safety and ensure they are informed for current practices.

Regular information will be developed by ASG for its employee in order to make them aware of any hazards associated with fieldwork progress.

For this purpose ASG will, as part of the site prevention programme, provide field bulletin boards, which will include posters, general instruction prevention score boards and the like.

These boards will be located at strategic points throughout the site in order to keep personnel informed on all safety matters.

B. Safety Manual Guideline

The main provision of the safety manual that project manager will distribute after owners approval, to all field personnel are summarized in the following subsections:

1. Personnel protection equipment
2. Fire prevention
3. Mobile equipment and rigging practices
4. Excavation and rigging practices
5. Ladders and scaffolding safety
6. Transportation safety
7. Work permits
8. House keeping
9. Emergency situation
10. Reporting of accidents
11. Procedure to obtain first aid/ assistance for injuries.

1. Personnel Protective Equipment

The provision and use of personal protective equipment by all the labour force is considered to be an essential part of safe construction practices. This includes the wearing at all times of safety hats and footwear, and the use of goggles, gloves and safety belts, breathing apparatus as may be required by particular operation

2. Fire Prevention

ASG will provide and maintain in good working order such firefighting equipment and facilitates it may be necessary in order to control and extinguish any fires that may occur within their working area. The requirements of client and local regulations would be complied with and personnel would be trained in the use of the fire protection equipment provided.

3. Mobile Equipment and Rigging Practices

All lifting equipment including cranes, chains, hooks slings and shackles will be inspected and maintained in good construction practice and client's standards

4. Excavation and Form Work Safety

ASG will enforce any excavation work and the preparation and erection of form work carried out by ASG will be in full compliance with the requirement of client safety manual.

5. Ladders Scaffolding Safety

Ladders will be of timber or metal or of an approved type erected and used in a safe manner

6. Transportation

Particular attention will be paid to all matter relating to safety in use of motor vehicle and construction equipment. All ASG drivers and equipment operators will be qualified to ensure their capabilities and field safety acquaintance

7. Work Permits

Work permits will be obtained prior to the commencement of any work within owner specified restricted area when applicable.

8. Housekeeping

ASG will comply with the established and continued operation of a good housekeeping program is an important factor in ensuring that lost time is kept to a minimum and may be considered to include, amongst other things.

- a) The regular collection and removal to a suitable disposal point of debris, garbage etc.
- b) Provision and maintenance of good sanitary facilities and sanitation practice
- c) Prevention of personnel entering the work site if suffering from any contagious disease
- d) Provision and maintenance of adequate first aid facilities on the job site
- e) Emergency situation

9. Emergency Situation

ASG will develop action plans to cater for emergency situations incorporating clients requirements and will ensure that subcontractor personnel are aware of the procedures. Periodic reviews will be undertaken with client's representatives.

10. Reporting Of Accidents

- Client will be informed in a case of
- All injuries to personnel requiring medical attention
- All damage to ASG or subcontractor plant and equipment
- All damage to client's equipment is property
- All fires
- Application of owner's standards
- ASG expects that clients has already developed various safety standards, which will be applicable to this project
- ASG will include in the safety manual a summary of the standards indicating the associated responsibilities at field

Safety Engineer

Reports to : Project Manager

Supervises : site engineer and supervisor of sub-contractors

Responsibilities:

In day to day operations he has the responsibility to provide all levels of supervision with the services and technical advice needed for proper compliance of the job site safety program. He is responsible to the project manager for objective and independent accident prevention judgments, which will make the job site program effective

Duties:

- a) Develop guidance and programs to eliminate physical hazards from the job site substitute safe practices for any unsafe practices of contractor and subcontractor personnel
- b) Formulates recommend and administer all approval changes in the accident prevention program
- c) Monitor all area supervision by regular reports system personally investigating serious accident
- d) Maintain an adequate report system, personally investigating serious accidents and taking corrective action to take eliminative accident causes
- e) Cooperative with sub-contractors supervisors in establishing training of their personnel when required
- f) Conduct inspection to discovered and initiate corrective action on unsafe conditions or work practice through site patrolling and monitoring
- g) Monitor sub-contractors for full compliance with governmental rules bearing on construction safety.
- h) Recommended to sub contractor's programmers and activities that will stimulate and maintain the interest in safety. Assure posting of appropriate safety signs, posters, bulletins etc., and require subcontractor supply for periodic changes. Check that proper warning signs and tags are used.
- i) Prepare and submit safety audits monthly to the clients safety engineer
- j) Supervise job site security and traffic control personnel
- k) Call and conduct safety meetings
- l) Establish first aid center with adequate facilities

Note: Sub-contractors means:

- Firefighting contractors
- Electrical sub-contractors
- Civil sub-contractors



PLANNING & METHODOLOGY

ASEG

A properly planned site does require minimum monitoring & a properly monitored site fetches good productivity and enhanced output

1. The total information system is centered on micro level estimation of cost at the elemental level, translating the contract amount to minute elemental level costs for costing and budgeting which would be later on used as the control measure
2. To facilitate such detailed costing necessary data has to be built up over the years on various types of job, various location, various environment etc
3. The control mechanism is built on a 2- tire system for the site itself via, work break down structures(WBS) which are controlled by operation manager (as they may be called)and work package(WP) which form part and parcel of WBC(EQ)In a site different systems, which could be separately traced and distinctly identified, would be called as different WBS .For each WBS there would be one man in charge(operation manager)and he would be held responsible for the cost of pertaining to the WBS. The system is through up feedback information regarding a particular type of work incidentally.
4. When it comes to work packages, a group of packages would form a WBS. Work package would comprise of work relating to a homogeneous group activities of a WBS and hence would also helping the process of proper estimation for future job

5. ESTIMATION

The estimation is done for the following, categories of cost, which would be called as sub head of expenditure

- A) Direct labor
- B) Support staff/ supervisory man power(called as contractors staff)
- C) Construction equipment /aids
- D) Temporary facilities (such as site office)
- E) Temporary materials(wooden plank ,piping etc)
- F) Erection tools
- G) Mobilization and de mobilization(travel &transport for men &machinery)
- H) Insurance
- I) Ancillary
- J) Material/ Equipment
- K) Consumables
- L) Material handling
- M) Commissioning assistance
- N) Any other supply

6. BUDGET

After completing estimation in great detail, as listed in previous paragraphs, the project manager does the budgeting. Budget is broken into three levels via estimators, managers and corporate level budget. The corporate budget is the stripped down version of the overall estimation. The manager budget is a sub-set of the corporate budget without the head office overhead inclusive of contingency. The estimator's budget forms part of the manager's budget but is devoid of any provisions of contingency. After the budgeting process costing is done .while the estimation and the budget are according to the heads of expenditures given in the paragraph on estimation, the costing is based on WBS, W.P and heads the expenditure (sub codes). This means that for each WBS, cost with respect to every head of expenditure is arrived at. Such an exercise is done for every single WBS.

The total cost of all WBS would be equivalent to the total budgeted amount. The total budgeted amount could also be broken into different heads of expenditure by adding the values of different WBS. Thus there would be a total picture of cost looking at it from either the WBS angle or from the head of expenditure angle. Work packages are very small and are nothing but miniature of WBS in concept.

7. MAN POWER SCHEDULING

The various activities in the project are fitted into the overall time schedule in terms of different months. The requirement of manpower for each of the categories is estimated on the basis of

assumptions made at the estimation stage in terms of manpower and the time frame as decided. The manpower schedule is drawn in terms of each category of manpower on the frame. The charging of manpower is done to the respective WBS.

The starting point is the overall schedules, which is given by the client, and this is split up into weekly fortnightly and monthly schedules.

8. MAN POWER MONITORING

The direct labor, which generally has more percentage contribution, requires close monitoring. This shall be monitored for each WBS and WP. Also the information forms basis to compute:

- Efficiency of manpower
- Composition of trades
- Costing of future projects

9. PROGRESS MEASUREMENT

One method of progress measurement is based on billing value. Billing is done based on agreed milestones. The primary input for billing is only the total man hours deployed.

Projects are divided into two categories- labor oriented and equipment oriented. For the purpose of such a categorization, the total cost as estimated and budgeted for labor and rest of the components is compared and if labor outweighs the other components, it is termed as labor oriented and vice versa. The ratio of this comparison is used as a weighing factor for estimating the progress.

There can be other methods of progress measurement also depending upon client's agreement.

10. INVENTORY CONTROL

Inventory control is exercised at the level of WBS, based on monthly reports. based on value and life, an item is categorized either asset or inventories. control is exercised on inventory items and charged 100% to the project. As regards assets 100% value is charged the project but the salvage value is also taken into account at the end of the project depending on whether it is sent to another project or disposed of etc. Control on certain categories of consumables like the electrode requires systematic analysis of theoretical requirements and comparison with actual requirements.

11. ENGINEERS OF CONTRACT AND CLAIMS

Knowledge of contract is essential for everyone. However there should be a designated engineer of contract who is authorized to study and point out deviations of jobs in site.

12. EQUIPMENT UTILISATION

All construction aids / equipment are analyzed with respect to their utilization and this utilization factor is recorded as measurement of the extent to which the equipment is utilized in comparison to the total hours for which it has been made available at site also the fuel used is recorded for proper monitoring which forms as basis for future project estimation.

13. MATERIALS HANDLING

The permanent materials should be segregated based on WBS and WP and also should be stored in yard accordingly. This will eliminate double handling of material thus saving manpower and machine hours.

14. DRAWING CONTROL

The drawings used should be approved for construction drawing. This depends on the method of drawing issue by client segregation of drawings based on WBS, WP and also relevant materials in advance based on master drawings list has to be done.

This will enable to project the problem areas while monitoring whether it is material or drawing related problem.

15. WEATHER

Day-to-day recording of weather is also carried out and reported on monthly basis. This information is used primarily to analyze shortfalls in productivity and progress. Also it is used for time extension against liquidated damage.



TRAINING PROGRAMS



Good ranges of training are given to ASG engineers at regular Interval. The below mentioned training programs are usually given to our staffs.

- A) LPG tank installation and maintenance training – Lapesa, Spain
- B) LPG tank installation and safety precautions – Antonio Merloni ,Italy
- C) Gas detection system& trouble shooting methods- Oldham, France.
- D) LPG bulk storage tank &bottling system training.- Emirates gasUAE
- E) LPG system maintenance seminars-conducted by Emirates gasUAE
- F) Deluge valve system design, installation, testing & commissioning -RAPIDROP, UK
- G) Fire safety& Good engineering practices: Al Shola Safety & Security , UAE





EQUIPMENT



EQUIPMENT	QTY	BRAND NAME
POWER THREADING MACHINE	10	RIGID
VICES	10	RIGID
TOOLBOX	15	RIGID
WELDING MACHINE	10	MILLER
OXYGEN / ACETELENE CYLINDER SET	04	EIG
GRINDING MACHINE	06	BOSCH
DRILLING MACHINE	12	HILTI
PIPE WRINCHES	20	DEWALT
CUT OF MACHINE (DISC TYPE)	06	RIGID
DIAMOND DRILLING MACHINE	03	HILTI
HAND BEVELLING MACHINE	06	HILTI
AIR COMPRESSOR	03	FLAC
GENERATOR	02	HONDA
MULTI METER	06	GREENLEE
CIRCUIT METER	04	GREENLEE
FLOW METER	03	GREENLEE
HAND HELD GAS DETECTORS	04	SCIENTIFIC INDUSTRIAL
GAS LEAK TESTING DEVICES	06	SCIENTIFIC INDUSTRIAL





MAINTENANCE



MAINTENANCE INSPECTION REPORT LPG SYSTEM

REF No:		INSPECTION DATE:	
CLIENT			
FACILITY/PROJECT			
UNDER WARRANTY	<input type="checkbox"/>	UNDER CONTRACT	<input type="checkbox"/>
OTHERS	<input type="checkbox"/>		

SYSTEM DETAILS:

A	CENTRAL PANEL APPARATUS	STATUS/ CONDITION			REMARKS
		OK	FAULT	N/A	
1	Control Panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Control Keys	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Stand by Batteries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Emergency Shutdown Switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	Fire Alarm Interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Sounder/ Flasher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	Signal to main LPG Solenoid valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Signal to Sprinkler Solenoid Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Cabling/ Conduiting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	LPG Detector Zone 1 (Tank Yard)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	LPG Detector Zone 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

OBSERVATION/
RECOMENDATION

B	MANIFOLD /TANK ACCESSORIES	STATUS/ CONDITION			REMARKS
		OK	FAULT	N/A	
1	LPG TANK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Multi Valve Assembly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Hydrostatic Pressure Relief Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Back Check Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	Pressure Regulator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	PRDP Cabinet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	Pressure Gauge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Isolation Valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Cylinder Manifold	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	Piping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	Flexible hoses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

OBSERVATION/
RECOMENDATION

C	ZONAL KITCHENS:	STATUS/ CONDITION			REMARKS
		OK	FAULT	N/A	
1	Control Panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Emergency Shutdown Switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Fire Alarm Interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Sounder/ Flasher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	LPG Solenoid valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Cabling/ Conduiting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	LPG Meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	LPG Detector Zone 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

OBSERVATION/
RECOMENDATION

D	ZONAL KITCHENS:	STATUS/ CONDITION			REMARKS
		OK	FAULT	N/A	
1	Control Panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Emergency Shutdown Switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Fire Alarm Interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Sounder/ Flasher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	LPG Solenoid valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Cabling/ Conduiting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	LPG Meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	LPG Detector Zone 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

OBSERVATION/
RECOMENDATION

E	ZONAL KITCHENS:	STATUS/ CONDITION			REMARKS
		OK	FAULT	N/A	
1	Control Panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Emergency Shutdown Switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Fire Alarm Interface	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Sounder/ Flasher	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	LPG Solenoid valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Cabling/ Conduiting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	LPG Meter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	LPG Detector Zone 1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	LPG Detector Zone 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

OBSERVATION/
RECOMENDATION

INSPECTION CONDUCTED BY:

APPROVED BY:

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OFFICE ADDRESS

PO BOX, 26111, DUBAI, UAE

OFFICE LOCATION

HAMSAH BUILDING, OFFICE BLOCK, OFFICE A / 112

ZABEEL ROAD, DUBAI, UAE

CONTACT DETAILS

TELEPHONE: + 971 4 3966977 / 3964150

FAX: + 971 4 3964151 / 3961741

EMAIL: info@alsholagas.com

www.alsholagas.com