



AL-SADI TRADING GROUP

مجموعة السعدي التجارية



At a Glance

Al Sadi Trading Group (ATG) corporate philosophy has always been to promote advancements towards modernization and to further development of basic needs. That is through maintaining the highest level of customer satisfaction through our quality services.

Established in the year 1991, ATG is one of the leading companies in the Republic of Yemen with nearly 30 years of carrying out international projects. ATG operates in the expertise of electrical power generation, solar power, security systems, aluminum and Glass fabrication and installation, industrial Marbles and cement manufacturing , investment and agent for international companies.

In short, ATG can be labelled as a “total solution” provider under one roof with an excellent reputation in a wide range of industries by finding the right niche and by meeting the needs of our distinguished clients in Yemen and around the globe.

Companies and Divisions of Al-Sadi Trading Group

- Abdulmajid Al Sadi Trading Fze
- Advance Technology Co. Ltd
- Aden Industrial Zones Development Co. Ltd
- Aden Internal Hall
- Al Sadi Malta Ltd.
- ATG Italia
- CAC International Bank Djibouti
- International Agencies Department
- Korean Divisions LG Hausys Surface Materials, Industrial Marbles
- Mitsubishi Elevators
- Power Projects Department (Diesel/Gas/HFO Gensets and solar power systems)
- Union Cement Co. Ltd
- Yemen Emirates Investment Co. LLC
- Yemen Italian Aluminium Co. Ltd (YEMITAL)
- Yemen Aluminium Extrusion and Painting Company





AL-SADI TRADING GROUP

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Fast-track, Turn-key Power Projects

Power Projects

Temporary **Power Solutions**

Al Sadi Trading Group, in cooperation with Aggreko, has become a leading supplier of temporary utility power solutions in the Republic of Yemen with the ability to deliver fast-track, turnkey power projects in just weeks. In addition, we have over 225MW spread across 19 locations in the country supporting the national grid.

Over the years, we have accumulated a vast experience in this field, and with our knowledgeable professionals we are well positioned and qualified to cover all the components of a Power Generation Plant.

When is our power project **the right solution?**

Anytime! Whenever a utility or industry requires a *fast, temporary supply of power* ranging from a few megawatts of construction power spread across a green field site to hundreds of megawatts of baseload to support the national grid.

We understand the needs of the utility sector. Our equipment and services have been developed to meet the needs of our clients for reliable and flexible power in the most cost-effective manner.



60MW Power Plant, Al Mansura, Yemen



Move forward in confidence with...

A solid, reliable and reputed partner

Our solutions address the core of any power needs: a stable, reliable and sufficient power supply. We deliver customised power packages that fit the requirements of each and every individual project.

Whatever the reason for power shortage, Al Sadi power projects are a cost-effective solution which enables customers to hire the power they need for as long as they need.



60MW Grid Support Al Mansura, Aden, Yemen

APPLICATIONS OF ATG TEMPORARY POWER GENERATION

☐ **Supplementing the grid**

Baseload power to cover generation capacity constraints and to reduce the gap between increasing power demand and available supply.

☐ **Seasonal Peak Shaving**

To cover generation capacity constraints and to meet increased seasonal power demand i.e during summertime.

☐ **Overcoming transmission and distribution limitations**

Power Projects can be used to support a utility grid whilst upgrading infrastructure and to power remote areas that are not yet connected to the grid network.

☐ **Power during planned maintenance**

Power projects can be installed quickly to provide power during temporary shortages caused by maintenance of power equipment.

☐ **Power for Construction and Commissioning**

Power for construction and commissioning activities at a new project site.



37MW Power Plant, Mareb, Yemen



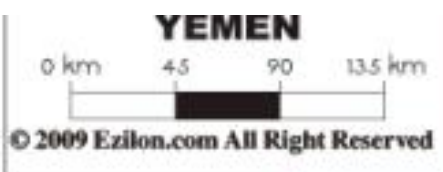
20MW Grid Support - Lahj, Yemen

When you **choose us...**

You choose a proven, highly qualified team with more than 30 years of experience. You get the breadth and depth of expertise that no one else can offer along with the peace of mind that comes from working with a company holding an international reputation.



Yemen Sites powered by ATG





5MW Grid Support, Al Dees - Hadramout , Yemen



14MW Island Mode, Attaq - Shabwah, Yemen



15MW Power Plant, Lawdar - Abyan , Yemen



5MW Grid Support, Fowah - Hadramout, Yemen

Certificates

REPUBLIC OF YEMEN
Ministry Of Electricity and Energy
Public Electricity corporation
Mareb Area

الجمهورية اليمنية
وزارة الكهرباء والطاقة
المؤسسة العامة للكهرباء
منطقة مأرب

Date: 2020/03/24
No: _____

التاريخ :
الرقم :

Certificate of Achievement
شهادة إنجاز

This Certificate is awarded to
تم منح هذه الشهادة للإخوة

Al Sadi Trading Group
مجموعة السعدي التجارية

On behalf of Public Electricity Corporation
نيابة عن المؤسسة العامة للكهرباء

Mareb Governorate – Republic of Yemen
محافظة مأرب - الجمهورية اليمنية

In recognition of their long exceptional contribution to
تقديرًا لمساهمتها الطويلة والاستثنائية

the production of
1,842,163,550 kWh
to PEC's Grid

في إنتاج
1,842,163,550
كيلو واط ساعة إلى الشبكة

during the period from July 2012 to December 2019. وذلك خلال الفترة من يوليو 2012 إلى ديسمبر 2019

مدير عام المنطقة
عبد الهادي صالح جابر الشبواني

عناوين الاتصال : ص.ب : ٩٧٥٤٩ - مأرب - تليفاكس : ٣٠٣٦٥٥ - هاتف : ٣٠٢٢٣١ - الجمهورية اليمنية
Address Tel : P.O. Box : 97549 -Mareb - Telefax : 303655 . Tel : 302231 Republic of yemen

"We reached out to ATG without hesitation due to their reputation for providing power with speed and agility. We also needed a provider who could be flexible, due to the uncertain demand.

ATG proved to be a reliable and adaptable power provider, addressing our rather urgent needs seamlessly, and ensuring Power demands during summer peaks are covered without interruption "

**Abdallah Doghesh – Asst. General Manager
Public Electricity Corporation, Mareb - Yemen**



Certificate of Achievement

This certificate is presented to

AL SADI TRADING GROUP

for your extraordinary services and long-term dedication to

5 MW Rental Power Contract - Foah Site

with PEC Hadhramout Coastal Zone, Republic of Yemen.

4th, September, 2012 - 2nd, July, 2016.


Abdullah Faraj Hamran
General Manager - PEC Hadhramout Coastal Zone




Talal Mohammed Salem Al Habushi
Rental Power Manager - PEC Hadhramout Coastal Zone



Certificate of Achievement

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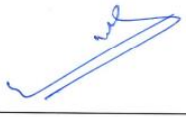
6 MW Rental Power Contract - Al Raidah Site

with PEC Hadhramout Coastal Zone, Republic of Yemen.

1st, July, 2012 – 21st, January, 2019.


Abdullah Faraj Hamran
General Manager - PEC Hadhramout Coastal Zone




Talal Mohammed Salem Al Habushi
Rental Power Manager - PEC Hadhramout Coastal Zone



Certificate of Achievement

This certificate is presented to

AL SADI TRADING GROUP

for your extraordinary services and long-term dedication to

10 MW Rental Power Contract - Al Munawara Site

with PEC Hadhramout Coastal Zone, Republic of Yemen.

13th, September, 2012 – 21st, January, 2019.


Abdullah Faraj Hamran
General Manager - PEC Hadhramout Coastal Zone




Talal Mohammed Salem Al Habushi
Rental Power Manager - PEC Hadhramout Coastal Zone



Certificate of Achievement

This certificate is presented to

AL SADI TRADING GROUP

for your extraordinary services and long-term dedication to

5 MW Rental Power Contract - Al Dees Site

with PEC Hadhramout Coastal Zone, Republic of Yemen.

27th, August, 2012 – 30th, September, 2017.


Abdullah Faraj Hamran
General Manager - PEC Hadhramout Coastal Zone




Talal Mohammed Salem Al Habushi
Rental Power Manager - PEC Hadhramout Coastal Zone

Benefits of

ATG Temporary Power Generation

❑ Rapid response

Our rental equipment is available at short notice and can be delivered and installed in the shortest possible time-frame to meet your needs.

❑ Total Turn-key Responsibility

ATG does not just rent equipment, our services include initial assessment of the power need, site visit and evaluation, engineering studies and plant design, mobilization and delivery of equipment, site preparation, equipment installation and commissioning, operation and maintenance, decommissioning and site clean up.

❑ Flexible capacity

ATG has the flexibility to deliver power plants of any capacity - from a single generator installation to multi megawatt power systems. The installed capacity can be increased or decreased during the course of the project and equipment can be rented on a short or long term basis, depending on your power needs.

The modular design of our rental package allows us to operate in parallel with the grid or in “island” mode which allows us to deliver power at any standard utility voltage and in capacities suitable for each connection point.

❑ Guaranteed reliability

Built-in/On- site redundancy – you can rest assure that the power supplied by an ATG Power Project is reliable and will run 24/7 if needed.

❑ Flexible fuels

ATG offers Power Projects that run on diesel, HFO and gas.

❑ No Capital Outlay

Buying energy via temporary power plant releases you from the costs and administration associated with plant ownership and frees up your capital. You simply pay for the capacity and energy you need.



10MW Grid Support, Al Munawara- Yemen



ATG TYPICAL

TEMPORARY POWER PLANT



SITE

- No special foundations or civil works required
- Equipment can be installed on a levelled, well drained surface



FUEL SKID

- For unloading and transfer of fuel to bulk storage tanks.
- Includes high accuracy fuel flow metering.



FUEL TANKS

- Flexible fuel storage capacities to meet your requirement
- Environmentally safe tanks – Double wall construction
- Containerized or cylindrical design with drip tray

3



GENERATORS

- Diesel, HFO or natural gas powered
- Dual frequency capable -50Hz or 60Hz
- Suitable for high ambient temperatures and harsh environments
- Sound attenuated enclosures
- Spark arrester silencers
- Saves all containment base – prevents spillage or fluids or fuel and eliminates need for temporary bunds.



HIGH VOLTAGE SWITCHGEAR (Optional)

- Range of feeder, and bus bar ratings up to 2000A and 24kV
- Dedicated ABB switchgear arrangements for larger power evacuation
- High level of safety with metal clad, multi-compartment housing and comprehensive interlocking schemes
- Facility for energy metering



4

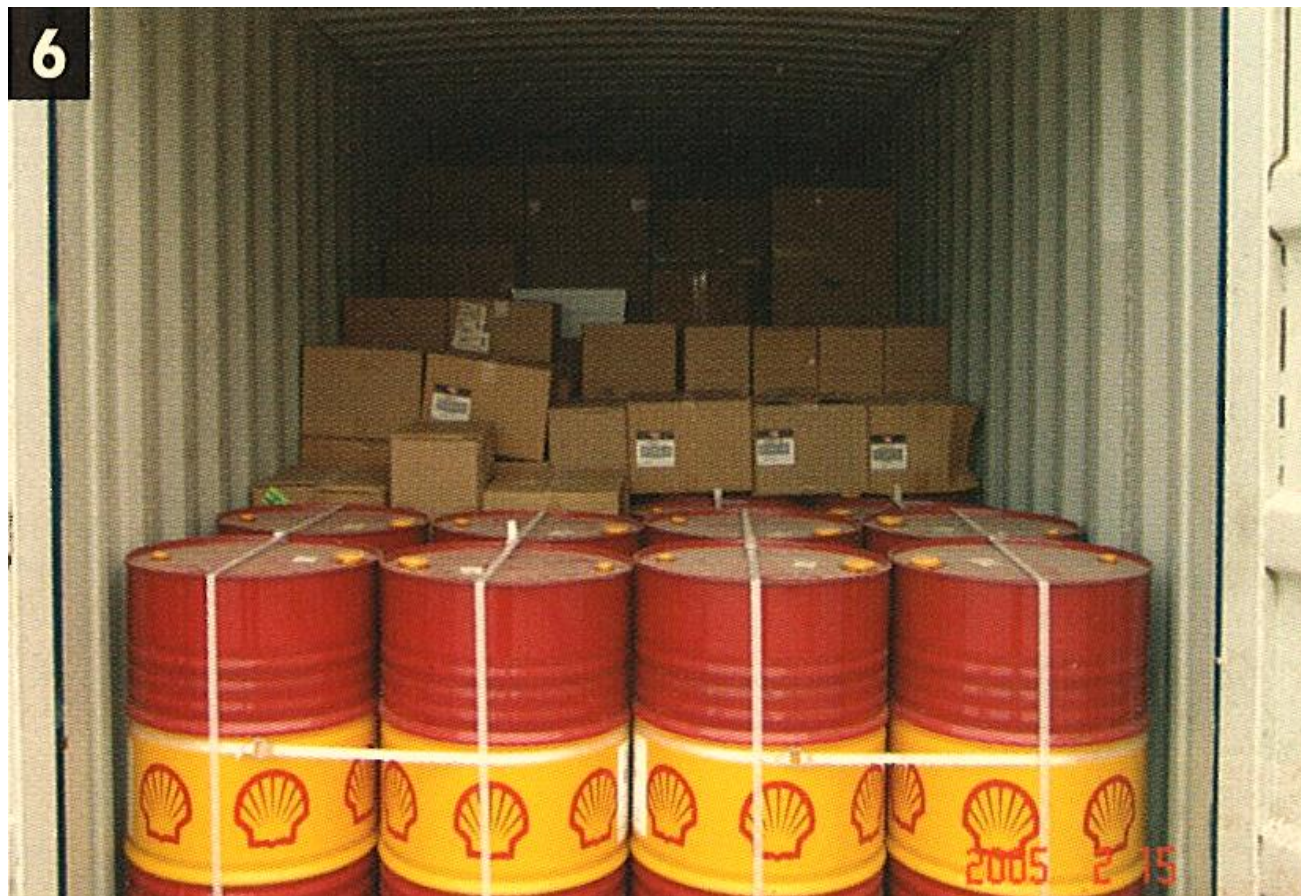
POWER TRANSFORMER

- Flexibility of integration at different points within a utility system
- Multi-tap, multi-voltage capacity - Range of common utility voltage from 3.3kV up to 115kV and more
- Self- contained modules with switchgear and built-in protection.
- Save all containment base



CONTROL ROOM

- Monitoring and control of multiple generators from one central location
- Can be integrate with main utility control system



SPARES CONTAINER

- A comprehensive stock of spare parts and consumables are always available at site

Turn-key power projects delivered in **Weeks**

Mobilization

Equipment is fully tested and prepared for shipment by Aggreko from strategically-placed depots, enabling the fastest mobilization of equipment.

Installation

Once on site, we can install major power plants in just a few days. Our commissioning team brings the knowledge and experience of delivering countless projects in demanding situations around the world.

Commissioning

Power projects are provided as turn-key packages, so all aspects of the project including commissioning and testing, are handled by our expert technicians and commissioning Engineers.





6MW Al Raida, Hadramout, Yemen



8MW Al Ghaydah, Al Mahra, Yemen

Al - Sadi Solar **Power Systems**

Al Sadi Trading Group (ATG) is among the leading provider of complete solar power solutions and a globally active company with partners worldwide.

As a group, we promote advancements towards modernization and further development, we excel at maximizing the clean energy potential of this renewable power technology.

For our clients, we manage the entire down stream section of the solar value chain – from component selection to project development and operational management whether for utility scale solar energy facilities, large scale energy storage solutions, large scale off-grid systems or large scale commercial rooftop applications, those who sign up for our expert solar solutions gain access to a diverse European technology team supported by German engineers with extensive experience in solar development and management.

What drives us:

- is the idea that solar energy will play a crucial role in sustainable energy supply almost in every location around the globe.
- is the goal of providing people and companies with decentralized solar energy , it is affordable, profitable, independent and secure.
- is the desire to further spread solar energy as the cheapest form of energy generation so that fossil fuels can be replaced faster.
- is the knowledge that we are investing our energy in the implementation of advanced technology that has significant impact on protecting the planet`s climate.



A few of the lesser-known benefits of solar energy

- Zero energy-production costs.
- Less energy lost during long-distance transport.
- Versatile installation.
- Economic savings.
- Energy production coincides with the times of maximum demand.
- Improved security of the power grid.
- Renewable Energy Source. Among all the benefits of solar, the most important thing is that solar energy is a truly renewable energy source.



Our Specialized Services

As a turnkey solution provider with many years of international project experience in international markets, we can proudly look back on our success stories and established reputation as a reliable partner. We are also a specialist within the solar power industry in terms of technology, sales, installation and development of eco friendly photovoltaic solar systems. ATG specializes in:

- Solar water Heating
- Home Solar System
- Solar street lighting
- Solar Powered Billboard Lighting
- Solar Water Pumping System
- Power supply for telecommunication
- On Grid Photovoltaic Solar systems
- Off Grid Photovoltaic Solar System

Solar Water Heating

Solar water heating (SWH) is the conversion of sunlight into renewable energy for water heating using a solar thermal collector. SWH is a cost-effective way to generate hot water for households, commercial customers and hotels. It can be used in any climate, and the fuel it uses is sunshine which is free!



Home Solar System

Solar home systems (SHS) are stand – alone photovoltaic systems that offer a cost-effective mode of supplying amenity power for lighting and appliance to remote off-grid households. In rural areas, that are not connected to the grid, SHS can be used to meet a household`s energy demand fulfilling basic electric needs.



Solar Street Lighting Systems

Street-lights are designed to improve life quality and increases safety and security on public and private roads.

ATG offers the solution for decentralized and grid independent solar lighting systems for various purposes such as street lighting, security lighting or site lighting for telecommunication systems.

This system also saves cost by eliminating the need to trench standard electric wires for installation and providing no electric bill for the life of the system.

Solar Powered Billboard Lighting

ATG's solar billboard lighting systems are an efficient means to provide lighting without the need for standard utility power. Every system provides cost savings by eliminating the need to trench standard electric wires for installation and providing no electric bill for the life of the system. Solar billboard lights have been installed for many businesses and provide security, sustainability and an overall green image.



Solar Water Pumping Systems

When the sun rises in the morning, the electricity from the photovoltaic module is powering the submersible pump which pumps water into a storage tank. At sunset, the pump stops automatically. No batteries are required. Pumping water with solar modules is more economic than using diesel generators, it is silent, clean and maintenance free.



Power Supply for Telecommunication

Often telecommunication sites are located in remote areas with unstable or no access to the electricity utility grid at all. In these cases an Off-Grid system is best solution.



On-Grid Photovoltaic Solar Systems

On-Grid PV systems are continuously connected to the electric utility grid. It consists of solar panels, solar inverters and a connection to the grid. This kind of system allows power generated from the solar PV array to be directly utilized by the loads/appliances connected to the on-grid solar inverter.



Off-Grid Photovoltaic Solar Systems

Off-Grid PV systems are the key to independence in regions without access to the electric utility grid and are an efficient and sustainable alternative to diesel generators. It consists of solar panels, solar inverters and a battery system.



Turn-key PV Solar **Power Plants**

Scope of Services

Project Development

When developing Photovoltaic (PV) plants in our network, we take all regulatory, legal, technical and economic factors into consideration.

We invest in local development partnerships and contribute our international expertise, from site selection and permitting to grid connection and power purchase agreements (PPA's).

Engineering, Procurement and Construction (EPC)

ATG specialises in comprehensive EPC solutions for our clients. Our expertise is centred on maximising energy yields and plant reliability through superior design and high quality component selection.

Ensuring strong operational and financial performance based on “Engineering in Germany” are key aspects of our engineering services.

Operation and Maintenance

Throughout the operational lifetime, we continuously maximize power generation and minimize downtime. We control expenses by ensuring fewer repairs, faster recoveries and less downtime.

Solar Power asset management

We take over the entire management of your plant. This includes managing technical and administrative processes, verifying contractual obligations and managing supplier and customer relationships.



Customer Satisfaction

We make a difference

In order to solve the challenges of today's world you need high quality solutions focusing on efficiency and sustainability.

ATG continuously strives to provide state of the art technology for customers and end-users. Therefore we are exclusively using first class components of renown manufacturers - perfectly tuned and customized to your requirements and needs.

For us, customer satisfaction is more than a matter of course – it is the basis of our business success. So long as we are independent from manufacturers and wholesalers, we can consistently offer efficient, cost-effective and individual products and solutions made-to-measure.

Specialists

Committed to delivering extraordinary results

We ensure that the best expertise and resources are deployed for each project to achieve high standards in terms of time, cost, quality and performance.

ENGINEERING

- Personal Consulting
- Project Planning & Monitoring
- Basic Evaluation
- Economic Analysis

INSTALLATION

- Assembly
- Construction
- Commissioning
- Economic Analysis

DISTRIBUTION

- Distribution of multi supplier solar components
- Wholesaler with a vast stock warehouse.

TRAININGS

- For PV Installers
- For PV retailers
- On-site training in the course of project

Q

Quality

H

Health

S

Safety

E

Environment



ATG is committed to working in a safe ethical and responsible manner – driving safety with continuous improvement from the boardroom to the remotest of environments.

It is ATG`s goal to create a zero-incident culture. Our leadership primary focus and deep commitment goes to quality, the health of our people and our customers, safety, and the protection of the environment that we work in.

At ATG we empower our employees to stop the job at any time and at any cost to ensure all safety preventive measures are taken and risks are mitigated.

Our Quality, Health, Safety, and Environment (QHSE) system is crucial to our long-term business success.





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AL-SADI TRADING GROUP





Al-Sadi Trading Group
P.O. Box 4141, Aden,
Khormakser - Yemen
Tel: +967 (2) 272376
Email: majid@al-
sadigroup.com
Website: www.al-
sadigroup.com

Unleash world-class services.

We help you find downright solutions, best durability, reliability, performance and long-term value services.



“ADVANCEMENTS TOWARDS MODERNIZATION”
