



## COMPANY PROFILE



# POWER HOUSE

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⚡ FOUNDED IN 1993; HEADQUARTERED IN THE 6<sup>TH</sup> OF OCTOBER CITY (CAIRO); FREE ZONE NEAR SUEZ.

⚡ ISO-CERTIFIED

⚡ **INTEGRATED SERVICE PROVIDER AND PACKAGER DELIVERING TURNKEY SOLUTIONS:**  
OIL & GAS SERVICES, POWER GENERATION, PUMPING SERVICES,  
ELECTROMECHANICAL CONTRACTING AND WATER DESALINATION.

⚡ FOCUSED ON ACHIEVING **HIGHEST COST SAVINGS, FASTEST LEAD TIME AND TOP QUALITY SOLUTIONS** FOR OUR CLIENTS.

# VISION & MISSION



To earn the highest levels of **customer satisfaction** and trust

To contribute to the Egyptian economy by **creating jobs** and **business opportunities**



To foster mutually rewarding **customer relationships**

To pursue the transition towards **clean energy** generation.

To become a public joint-stock company and a leading regional provider of power and engineering solutions



# PRODUCTS & SERVICES

◇IN STOCK EQUIPMENT-READY FOR RENTAL ◇MAINTENANCE, REPAIR AND OPERATIONS



**DIESEL & GAS  
GENERATORS**



**AIR & GAS  
COMPRESSORS**



**PUMPS**



**OTHER OIL &  
GAS  
SERVICES**



**ELECTRICAL  
SERVICES**



**ELECTRO-  
MECHANICAL  
CONTRACTING**



**OTHER  
PRODUCTS &  
SERVICES**

# DIESEL & GAS GENERATOR PACKAGES

LARGE FLEET OF NEW AND USED GENERATORS AVAILABLE IN STOCK TODAY

30+ YEARS' EXPERIENCE IN MAINTENANCE, REPAIR AND OPERATIONS (MRO) AND IN PACKAGING ENGINES (ALTERNATORS, RADIATORS, SKIDS, CERTIFIED CONTAINERS INCLUDING GAS DETECTION/FIRE ALARM/FIRE FIGHTING SYSTEMS AND SYNCHRONIZATION PANELS)

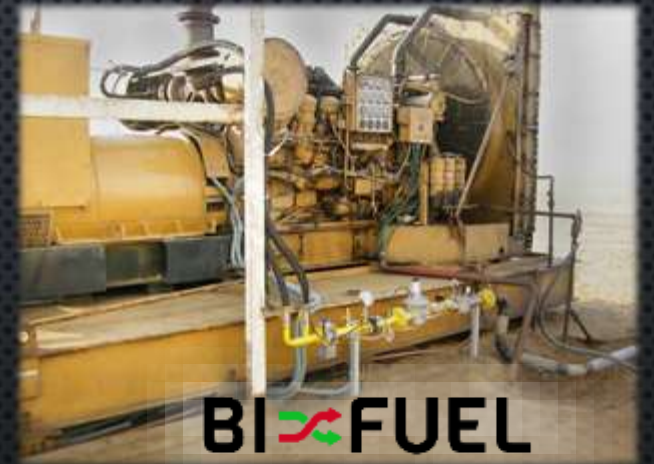
LARGE POWER RANGE: 150 TO 30,000 KVA (50 OR 60 Hz)



**200+ DIESEL GENERATORS**



**20+ GAS GENERATORS**  
EQUIPPED WITH GAS TRAINS AND GAS  
FILTRATION SKIDS.



**COMBINED FUEL (DIESEL/GAS)  
GENERATORS**

CONVERSION OF DIESEL GENERATORS INTO  
COMBINED FUEL GENERATORS.



# DIESEL & GAS GENERATORS PACKAGES

◇IN STOCK EQUIPMENT-READY FOR RENTAL ◇MAINTENANCE, REPAIR AND OPERATIONS



**POWER STATION (GAS GENERATORS)–AGIBA PETROLEUM COMPANY (SWM FIELD)**

3 SYNCHRONIZED GAS GENERATORS (1 MW EACH) AND 2 DIESEL GENERATORS (1.25 MW EACH).



**10MW POWER STATION (DIESEL GENERATORS)–EGYPTIAN STEEL CO.**  
SYNCHRONIZED DIESEL GENERATORS POWER STATION (INCLUDING 22,000 V STEP-UP TRANSFORMERS, CABLES, FUEL TANKS AND SYNCHRONIZATION PANELS).



**1.5 MW POWER STATION–PETROBEL**  
SYNCHRONIZED DIESEL AND GAS GENERATORS

# GAS COMPRESSOR PACKAGES

◇IN STOCK EQUIPMENT-READY FOR RENTAL ◇MAINTENANCE, REPAIR AND OPERATIONS



## GAS LIFT PROJECT (AMAL PETROLEUM COMPANY)

ARIEL **GAS COMPRESSION PACKAGE** FOR GAS LIFT DELIVERING 8 MMSCFD FROM 150 PSI SUCTION PRESSURE TO 1800 PSI DISCHARGE PRESSURE. THE PACKAGE INCLUDES A GLYCOL DEHYDRATION UNIT TO REDUCE GAS MOISTURE CONTENT FROM 1400 PPM TO 150 PPM.



## GAS LIFT PROJECT (WEPCO, BADR-1 FIELD)

DRESSER-RAND **RECIPROCATING GAS COMPRESSOR** FOR GAS LIFT DELIVERING 5 MMSCFD GAS FROM 37 PSI SUCTION PRESSURE TO 1300 PSI DISCHARGE PRESSURE TO INCREASE CRUDE OIL PRODUCTION.

# GAS COMPRESSOR PACKAGES

◇IN STOCK EQUIPMENT-READY FOR RENTAL ◇MAINTENANCE, REPAIR AND OPERATIONS



## BOOSTER GAS COMPRESSOR TURNKEY PROJECT

CUSTOMER: GENERAL PETROLEUM COMPANY (WESTERN DESERT)

RENTAL OF BOOSTER GAS COMPRESSOR TO BOOST 5 MMSCFD GAS FROM 1.5 BAR SUCTION PRESSURE TO 68 BAR DISCHARGE PRESSURE.



## VARIABLE INLET PRESSURE GAS COMPRESSOR (ELECTRIC MOTOR DRIVEN)

SUITABLE FOR HAZARDOUS AREAS.  
IDEAL WHEN MORE FEED GAS PRESSURE (UP TO 1,000 PSI) IS NEEDED TO TRANSFER GAS BETWEEN TWO LOCATIONS OR FOR GAS LIFT TO INCREASE CRUDE OIL PRODUCTION THROUGH GAS INJECTION..

# AIR COMPRESSORS

◇RENTAL ◇PURCHASE ◇MAINTENANCE, REPAIR & OPERATIONS

**POWER HOUSE IS AN AUTHORIZED DEALER FOR SULLAIR® AIR COMPRESSORS & AIR DRYERS IN EGYPT, OFFERING A WIDE VARIETY OF EXCELLENT QUALITY PRODUCTS INCLUDING:**

**DIESEL AND ELECTRICAL-DRIVEN AIR COMPRESSORS**

**OIL-FREE & OIL-FLOODED AIR COMPRESSORS**

**ROTARY-SCREW & CENTRIFUGAL AIR COMPRESSORS**

**REFRIGERATED AND DESICCANT AIR DRYERS**

**SULLAIR® AIR COMPRESSORS** ARE THE PERFECT SOLUTION FOR GAS COMPRESSION AND DRILLING FOR OFFSHORE RIGS AND INLAND LOCATIONS, WITH PROVEN PERFORMANCE EVEN IN THE MOST DEMANDING AND HARSHTEST OF ENVIRONMENTAL CONDITIONS.



AUTHORIZED DEALER



**A Hitachi Group Company**



*\*More details about our Sullair Air Compressors are available in a separate presentation.*

# STATIC EQUIPMENT

◇IN STOCK EQUIPMENT-READY FOR RENTAL

**POWER HOUSE OFFERS A DIVERSE FLEET OF STATIC EQUIPMENT FOR DOWNSTREAM WELLHEAD OPERATIONS INCLUDING:**

- ⚡ **3-PHASE SEPARATORS** WITH VARIOUS PRESSURE RATINGS FOR OIL, WATER AND GAS SEPARATION BEFORE TREATMENT
- ⚡ **GAS PRODUCTION UNITS (GPUs)** TO AID IN GAS PRODUCTION FROM LOW-PRODUCTIVITY WELLS
- ⚡ **INDIRECT HEATERS** FOR REDUCTION OF WATER AND SALT CONTENT IN CRUDE OIL
- ⚡ **DEHYDRATION UNITS** FOR WATER AND MOISTURE SEPARATION FROM PRODUCED GASES
- ⚡ **LOW TEMPERATURE SEPARATION (LTS) SYSTEMS** FOR GAS DEPRESSURIZATION FOR CONDENSATE REDUCTION FROM PRODUCED GAS
- ⚡ **API STANDARD 650 TANKS** FOR OIL STORAGE



**3-PHASE SEPARATOR  
PRODUCING 4,000  
BARRELS PER DAY  
OIL AND 0.5  
MMSCFD OF  
ASSOCIATED GAS**

CUSTOMER: DUBLIN  
INTERNATIONAL  
PETROLEUM EGYPT



**Indirect Heater**

# PUMP PACKAGES

◇ READY FOR RENTAL ◇ MAINTENANCE, REPAIR AND OPERATIONS

## DIESEL & ELECTRIC-DRIVEN PUMPS

CENTRIFUGAL (Single-Stage, Multistage/Submersible)

POSITIVE DISPLACEMENT (Gear, Plunger)

## APPLICATIONS

CRUDE OIL PUMPING

WATER FLOODING

WATER INJECTION

WATER DISPOSAL

WATER TREATMENT



ALLWEILER



CRUDE OIL SHIPPING PUMPING STATION (PETROBEL)



WATER INJECTION PUMPING STATION (AGIBA: MELIHA FIELD)

BYRON JACKSON PUMPS DISPOSING 20,000 BPD OF WATER IN A DISPOSAL WELL AT A 750 PSI DISCHARGE PRESSURE



CRUDE OIL PUMPING STATION (BAPETCO: NEAG-1 FIELD)

CRUDE OIL SHIPPING AT 15,000 BPD AND 6,000 BPD



# NITROGEN GENERATION PACKAGES

◇RENTAL ◇PURCHASE ◇MAINTENANCE, REPAIR AND OPERATIONS



**CUSTOMER: PETROJET**

**DIESEL-DRIVEN SULLAIR® AIR COMPRESSORS & NITROGEN GENERATION UNIT (NGU) PACKAGE INSIDE DNV-CERTIFIED CONTAINER**

DELIVERING 2,000 CUBIC FEET OF ENRICHED NITROGEN PER HOUR.

INCLUDES ONE DIESEL GENERATOR (CAT C9).



# WATER FLOODING SYSTEMS

◇BOO ◇BOT ◇MAINTENANCE, REPAIR AND OPERATIONS

WATER FLOODING IS A FORM OF OIL RECOVERY WHEREIN THE ENERGY REQUIRED TO MOVE THE OIL FROM THE RESERVOIR ROCK INTO A PRODUCING WELL IS SUPPLIED BY WATER INJECTION FROM THE SURFACE (AND ITS INDUCED PRESSURE).

THE WATER FLOODING SYSTEM CONSISTED OF:

- ✍ BOOSTER PUMPS
- ✍ PRODUCED WATER TANK
- ✍ HYDROCARBON ELIMINATION SYSTEM
- ✍ MAIN FILTRATION SYSTEM
- ✍ CARTRIDGE FILTER AT WELLHEAD
- ✍ CHEMICAL TREATMENT SYSTEM
- ✍ POWER SUPPLY AND CONTROL PANEL



**SKIM TANKS-DAPETCO**



**WATER FILTRATION & PUMPS AREA-DAPETCO**

# WATER DESALINATION PLANTS

◇BOO ◇BOT ◇SELLING DESALINATED WATER

REMOVAL OF MINERAL COMPONENTS FROM SALINE WATER (SEAWATER OR OTHER BRACKISH WATER) THROUGH REVERSE OSMOSIS TECHNOLOGY.

INVOLVES APPLYING PRESSURE TO INDUCE WATER PERMEATION THROUGH A MEMBRANE WHILE FILTERING SALTS.

REVERSE OSMOSIS PLANT MEMBRANE SYSTEMS TYPICALLY USE LESS ENERGY THAN THERMAL DESALINATION PROCESSES.



**BOO WATER DESALINATION STATION (CAPACITY OF 1,200 M3 PER DAY) – MAKADI RESORT (HURGHADA)**

# ELECTRICAL PRODUCTS & SERVICES

◇ IN STOCK EQUIPMENT-READY FOR RENTAL ◇ MAINTENANCE, REPAIR AND OPERATIONS



## LOAD BANKS

- ⚡ HEAVY-DUTY RESISTIVE LOAD BANKS OF UP TO 30 MW.
- ⚡ FINE STEP LOADS (DOWN TO 1 kW).
- ⚡ CAN OPERATE ON BOTH DC AND AC LOADS (50/60 HZ).
- ⚡ SUITABLE FOR BOTH OF ONSHORE AND OFFSHORE APPLICATIONS.



## TRANSFORMERS

STEP-UP AND STEP-DOWN TRANSFORMERS COVERING A WIDE RANGE OF VOLTAGES FROM 380V TO 22,000V.



**LOAD BANKS TESTING 8 MW POWER STATION (DIESEL GENERATORS)-SOKARI MINE**



## ELECTRICAL PANELS

- ⚡ CERTIFIED **LOW VOLTAGE PANELS** AND **MEDIUM VOLTAGE PANELS (RMU)**
- ⚡ **SYNCHRONIZATION PANELS**
- ⚡ **VSDs** (Variable Speed Drives) Up to 630 kW
- ⚡ **PLCs** (Programmable Logic Controllers)

# ELECTROMECHANICAL CONTRACTING

## ACOUSTIC INSULATION

POWER HOUSE UNDERTOOK A MAJOR SOUND INSULATION PROJECT COVERING WORKS IN 24 MINISTERIAL BUILDINGS IN THE NEW ADMINISTRATIVE CAPITAL OF EGYPT.

ACOUSTIC INSULATION FOR NOISE AND VIBRATION PROTECTION IS TAILORED BASED ON CUSTOMERS' REQUIREMENTS. WE PROVIDE STANDARD SOUNDPROOFING PANELS FOR WALLS AND CEILINGS AS WELL AS INDUSTRIAL-GRADE ACOUSTIC PANELING FOR LARGER STRUCTURES.



ACOUSTIC INSULATION PROJECT FOR MINISTERIAL BUILDINGS IN NEW ADMINISTRATIVE CAPITAL

# METALWORKS AND FABRICATION

ENGINEERING, DESIGN AND FABRICATION OF ALL OF THE FOLLOWING:

- ⚡ HEAVY STEEL STRUCTURES MADE FROM ROLLED SECTIONS SUCH AS GABLES.
- ⚡ FIXED OR PORTABLE STORAGE TANKS AND CONTAINERS IN ACCORDANCE WITH API 620 OR API 650 STANDARDS.
- ⚡ CUSTOM PACKAGE SKIDS AND PLATE WORK.



**TAMEER**

**WAREHOUSE STEEL STRUCTURE FABRICATION AND INSTALLATION-  
TAMEER COMPANY STORAGE FACILITY (6TH OCTOBER CITY)**



**POWER HOUSE**  
POWER WITHOUT LIMITS

# INSPECTION & TESTING SERVICES\*

OUR EXPERIENCED QUALITY ASSURANCE AND QUALITY CONTROL ENGINEERS ARE HIGHLY TRAINED AND EQUIPPED WITH A RANGE OF ADVANCED INSTRUMENTS FOR **NON-DESTRUCTIVE TESTS AND CONDITION MONITORING** INCLUDING:

- BORESCOPE/VIDEOSCOPE
- LUBRICANT OIL ANALYSIS
- FUEL INJECTION TESTING
- POSITIVE MATERIAL IDENTIFICATION
- MAGNETIC PARTICLE TEST (MPT)
- ULTRASONIC TEST
- VIBRATION MEASUREMENT AND ANALYSIS
- BALANCING TEST
- DIESEL INJECTORS AND INJECTION PUMPS TESTING
- THERMAL IMAGING
- WINDING INSULATION MEASUREMENT
- SOUND LEVELS & LIGHTING INTENSITY MEASUREMENT
- GAS DETECTION AND MONITORING
- PUMPS PERFORMANCE TESTING



*\*More details about our Inspection & Quality Testing Services are available in a separate presentation.*

# WATER EVAPORATORS

◇RENTAL ◇PURCHASE ◇LEASE-TO-PURCHASE

A TRULY VERSATILE PIECE OF EQUIPMENT, IT CONSISTS OF A POWERFUL FAN WITH AN ADJUSTABLE INCLINATION ANGLE. WATER IS PUMPED INTO THE NOZZLES WHICH IS THEN SPRAYED AND EVAPORATED BY THE AIR FLOW DUCTED FROM A POWERFUL FAN. ENVIRONMENTAL, HEALTH AND SAFETY APPLICATIONS INCLUDE:

- EVAPORATING PRODUCED WASTERWATER IN OIL & GAS FIELDS
- CONTROLLING AND REDUCING DUST IN CONSTRUCTION, INDUSTRIAL AND MINING SITES
- MITIGATION OF COAL OR WOOD SELF-IGNITION BY COOLING HOT DRY WEATHER

## PORTABLE AIR CONDITIONING UNITS

SUPPLEMENTAL OR EMERGENCY COOLING FOR VARIOUS APPLICATIONS IN REFINERIES, POWER STATIONS, COMMERCIAL BUILDINGS AND OUTDOOR EVENTS.



Water evaporators were utilized during the Covid-19 crisis to spread and diffuse clouds of sterilizing liquids in open areas.



# OUR PROJECTS



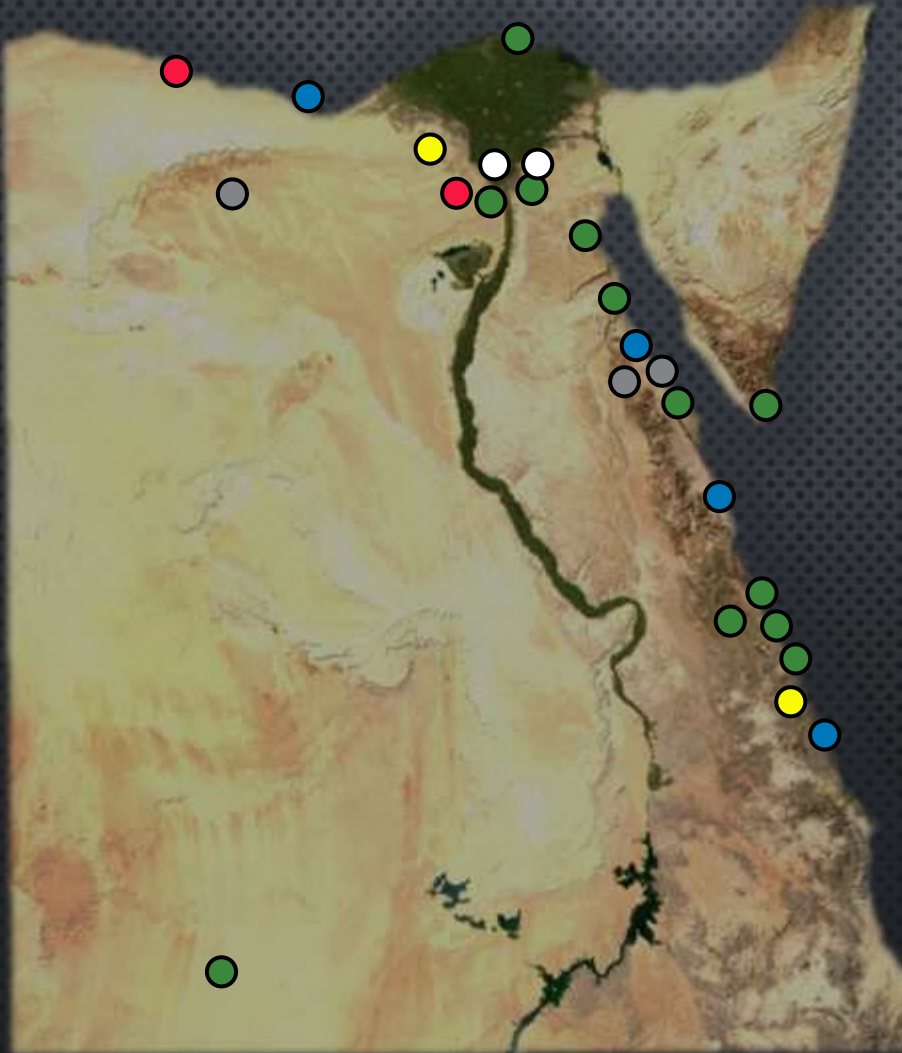
Power  
Generation



Gas  
Compression



Pumping  
Services



Water  
Desalination



Air  
Compression



Other  
Services  
(Acoustic Insulation,  
Metalworks...)

# 200+

## PROJECTS

Since 1993

# 400+

## EMPLOYEES

# OUR PEOPLE

WE OWE OUR **SUCCESS** TO EACH AND EVERY MEMBER OF **OUR TEAM**. OUR **EMPLOYEES** BRING A **DIVERSITY** OF **THOUGHT**, **CREATIVITY**, **PERSPECTIVES**, **OPPORTUNITIES**, AND **PROBLEM-SOLVING** TO **POWER HOUSE**.



# CLIENT TESTIMONIALS „



General Petroleum Company

“General Petroleum Company - Western Desert Fields Region, is pleased to grant this certificate to the employees of Power House in recognition of their outstanding efforts in the gas compressor facilities in the Abu Sannan area.”

General Manager

General Petroleum Company - Western Desert Fields Region



AURORA  
HOSPITALITY MANAGEMENT

“On behalf of our company’s Board of Directors, I take this opportunity to convey our sincerest thanks and appreciation for your exceptional efforts in the safe and timely implementation and management of our hotel’s power generation requirements.”

Ahmed Iraqi - Finance Director  
Aurora Hospitality Management



“With regard to evaluating the safety performance of the contractors located in the Dara and West Bakr site in the Red Sea during the second quarter of 2021, we inform you that Power House came first in the ranking among all the contractors on the site.”

Health and Safety Department

Dara & West Bakr Petroleum Company

# EGYPT'S MOST REPUTABLE COMPANIES RELY ON US...

## OIL & GAS SERVICES



## OTHER SECTORS POWER GENERATION & EQUIPMENT RENTAL



# EGYPT'S MOST REPUTABLE COMPANIES RELY ON US...

## FABRICATION AND STEEL STRUCTURES

**Nilesat**



## ELECTROMECHANICAL CONTRACTING



## WATER DESALINATION PROJECTS



# THANK YOU!

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