

# MINERAL & ENERGY EXPERT IN BANGLADESH



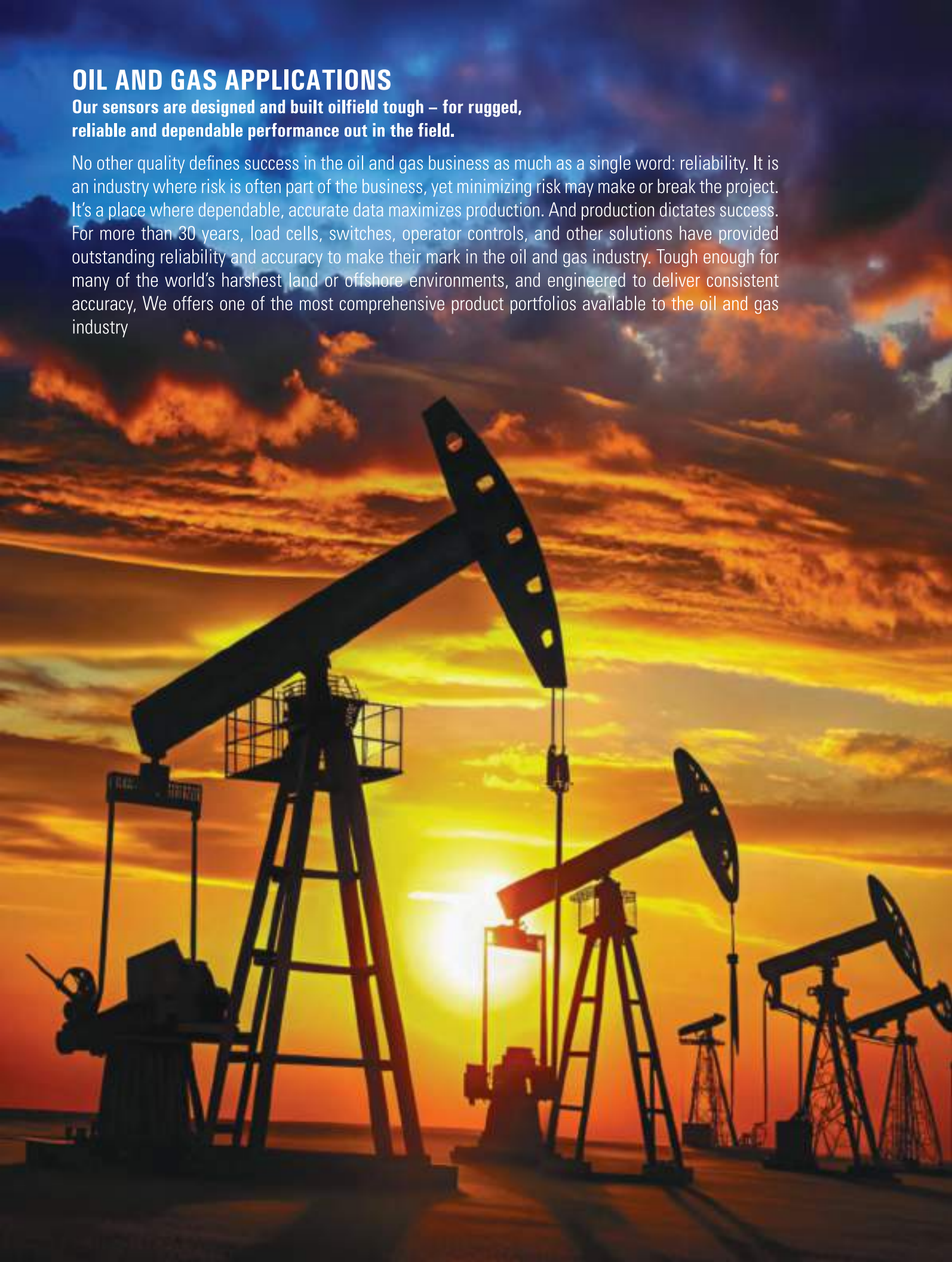
**AN ISO CERTIFIED COMPANY**



## OIL AND GAS APPLICATIONS

**Our sensors are designed and built oilfield tough – for rugged, reliable and dependable performance out in the field.**

No other quality defines success in the oil and gas business as much as a single word: reliability. It is an industry where risk is often part of the business, yet minimizing risk may make or break the project. It's a place where dependable, accurate data maximizes production. And production dictates success. For more than 30 years, load cells, switches, operator controls, and other solutions have provided outstanding reliability and accuracy to make their mark in the oil and gas industry. Tough enough for many of the world's harshest land or offshore environments, and engineered to deliver consistent accuracy, We offers one of the most comprehensive product portfolios available to the oil and gas industry



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## Introduction

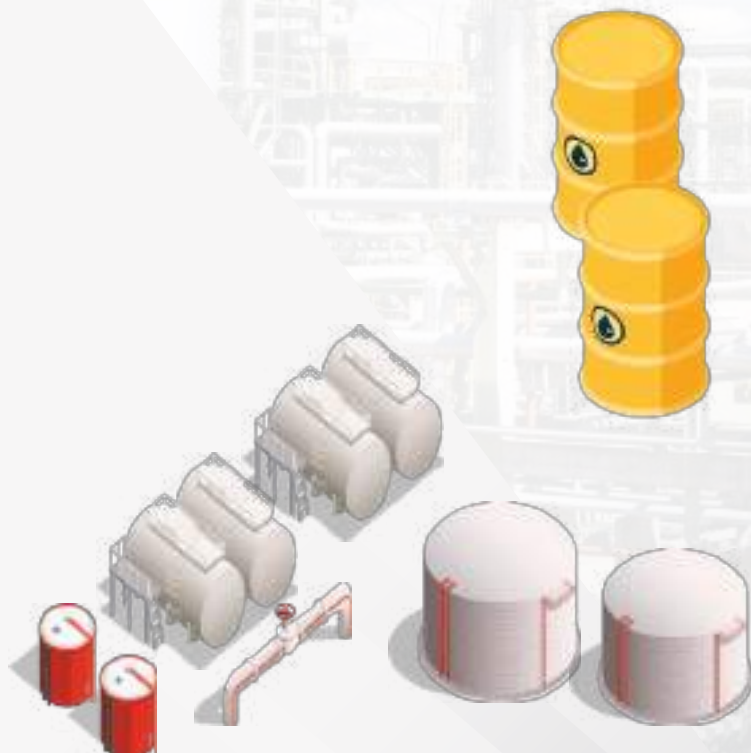
G. Mostafa Trade & M.A. SUFIAN ENGINEERING WORKS established the business in 1990. Over the period, GMT & MASEW turned out to be a successful business organization. We are continuously involved in diverse business activities, such as Engineering, Fabrication, Technical Manpower supply and consultancy in different Engineering issues. We also supply Hardware equipment and Machineries rental to many multinational and local companies in Energy sector of Bangladesh. GMT & MASEW is committed to follow engineering code of practice/standards with Health, Safety and Environment (HSE) at the top priority and client's ultimate contentment.

'We do what we do with perfection'

## Principles

It is the policy of G. Mostafa Trade & M.A. SUFIAN ENGINEERING WORKS to conduct its business activities strictly in accordance with all applicable laws, rules and regulations. The policy is based on the COMPLIANCE MANAGEMENT SYSTEM

**QUALITY**  
**INTEGRITY**  
**SAFETY**  
**PASSION**  
**TEAMWORK**



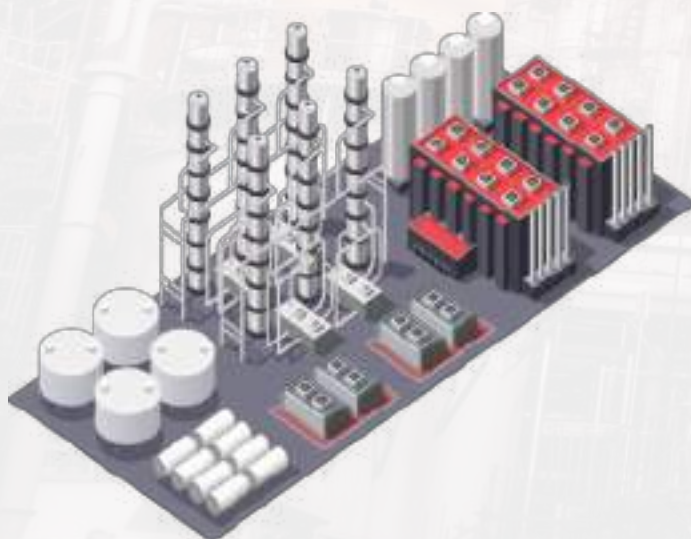


## Our Mission

Our mission is to provide crude oil, refine oil (Gas oil, Jet oil, HSFO, Mogas, Marine fuel) and natural gas (LNG, LPG, NGL and others) essential to the public and our economy through exploration and development using practices that provide sustainable business growth and enhance shareholder value.

## Our Vision

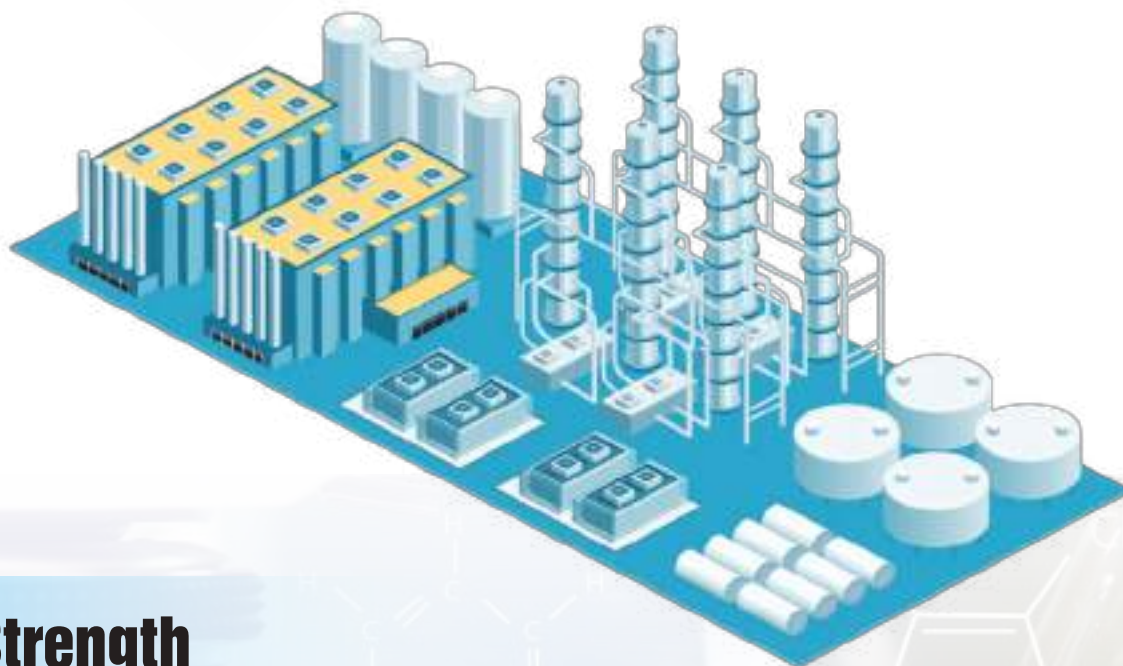
Our vision is to be a prominent independent oil and gas company in the bangladesh through exploration, property acquisition and optimization. By developing and nurturing a long-term strategic vision that drives company growth and profitability, we aspire to sustain value and create strong financial returns for our shareholders, employees, and partners. By continually innovating and improving our operational and organizational performance, we aim to meet or exceed the success of our peers.



**EXPERIENCE  
EMPOWERING  
EXCELLENCE**

## Our Strategy

- ✓ Operating by Technical Expert Team,
- ✓ Growing visibility & developing a high performing culture,
- ✓ Create network of excellence between government,
- ✓ Improve the resource collaboration.



## Our Strength

- ✓ Confident with honesty,
- ✓ Efficiency and effectiveness,
- ✓ Reliability with realism,
- ✓ Commitment.



# PROCESS EQUIPMENT



HEAVY  
EQUIPMENT

HYDRO  
MECHANICAL  
EQUIPMENT

RENEWABLES

CIVIL  
CONSTRUCTION

## COMPREHENSIVE PORTFOLIO

If you have a critical measurement to be made in the oilfield—from pressure and load, to torque, displacement or other measurements—our products are trusted for more accurate and reliable performance. We have a broad portfolio of sensors to meet nearly any application need.

## APPLICATION KNOWLEDGE AND EXPERTISE

With a tough oilfield application, you need a trusted partner with years of real-world experience in the oil and gas industry you have that partner. Our expertise with intrinsically safe designs, explosion-proof requirements, and approval organizations such as FM, CSA, Cenelec, ATEX, and DNV deliver peace of mind and superior product performance.

## QUALITY AND RELIABILITY

Oilfield components need to provide durable performance in some of the harshest environments. With our attention to design detail, rigorous manufacturing processes, and integration of high-quality materials, sensors offer reliability and accuracy over the long term.

## FASTER DELIVERY

Need it fast? We'll deliver the product you specify in the shortest time possible, even if it's a customized solution. Hundreds of stocked catalog products are out the door within short time.

## CUSTOM ENGINEERING

Have an idea of what you need, but no "standard" part seems just right? Our engineers will design a custom solution to your specifications by making minor – or sometimes major modifications to our sensors. In-house design, engineering, and manufacturing expertise means fast delivery for even large batches of custom-engineered solutions.





# WE ARE SPECIALIZED IN

## I. Project management

- ✓ Project management and owners respective services
- ✓ Project control
- ✓ Site Supervision
- ✓ Consultancy in Mechanical works and total project management
- ✓ Skilled manpower supply for a wide spectrum of Engineering and general requirement

## II. Mechanical engineering

- ✓ Pipe fabrication
- ✓ Welding
- ✓ Erection
- ✓ Insulation
- ✓ Cable tray
- ✓ various oil and gas industries services
- ✓ Structural fabrication and welding.
- ✓ Tank construction
- ✓ Sand blasting, painting and Scaffolding works
- ✓ High pressure gas line pipe welding
- ✓ Approved welders, workshops, Welding Procedure Specification (WPS) etc.
- ✓ Equipment rentals (Supply of Diesel Generator, Welding Generator, Air Compressor and other heavy equipments.



## III. Civil construction

- ✓ Buildings, Accommodation, Office complete works of architectural design and civil works
- ✓ Store
- ✓ Shed
- ✓ Retaining wall
- ✓ Walkways
- ✓ Roads
- ✓ Cable trench
- ✓ Water retaining structure etc.



## WORK DESCRIPTIONS

### ❖ **Halliburton International Inc.**

Steel Fabrication, Mechanical, Supply of Manpower experienced Engineer, Fabricators, Fitters, Foremen, Scaffolder, as well as Hardware Materials, Mechanical Parts, Compressor etc. at different drilling sites in Bangladesh.

### ❖ **Energy Explorer Ltd.**

The job consists of mechanical maintenance, fabrication, supply of tools and equipment, manpower.

### ❖ **Karnaphuli Fertilizer Co. Ltd (KAFCO)**

Carried out various types of fabrication, machining jobs etc. Supplied hardware equipment's.

### ❖ **Canadian Helicopters Company**

Rigged Helipad for CAIRN ENERGY PLC during their offshore Drilling in the Bay of Bengal and carried out various supply of material & technical personnel.

### ❖ **Shell Bangladesh Exploration and Development B.V**

We did various repairing, modifications and supply of Drilling material, Supplied certified manpower, engaged in offshore (Bay of Bengal) and onshore at Sangu Operations, Salimpur.

### ❖ **Chiyoda Corporation, Japan**

MASEW was subcontractor of Karnaphulli Fertilizer Co. Ltd (Kafco). Engaged for construction & implementation, Commissioning. We also carried out supply of various materials and technical personnel.

### ❖ **Basse Sambre-E. R. I. s. a. Belgium**

MASEW was subcontractor for the engineering, procurement and construction of a LPG terminal and filling center in Kumira, Chittagong. The terminal included the construction of two LPG storage spheres of 2500 M3 each as per French Standard Codap 95.

### ❖ **Bj Services Company, Middle East Ltd.**

We have done fabrication, maintenance, supply of tools, and rental of equipment at Chittagong Dry-dock

### ❖ **MCE, Machinery Construction Engineering, Austria**

MASEW did various tasks on Karnafuli Hydro Power Station Rehabilitation Project Unit 1 & 2, BPDB, Kaptai Hill Tracks.



#### ❖ **ABB Power Generation Ltd**

MASEW was a supplier and Manufacturer of various Mechanical parts and special tools, for Gas turbine Rehabilitation Project at Shahjibazar Power Station.

#### ❖ **PRIDE FORAMER-ENERGY EXPLORER IV OPERATIONS**

Supplied Hardware items, manpower, mechanical parts, tools and safety engineering and maintenance work at Energy Explorer EEIV (Rig) Block-16 and Drilling Rigs EE4 on Offshore.

#### ❖ **PSN Production Services Network.**

The job included supply of technical manpower, equipment, fabrication and installation of pipe spools and supports in the Slug Catcher Remedial Project on July until November 2006.

#### ❖ **OSJI Joint Venture.**

Supply, Fabrication and installation of Mooring Facility/Barge Anchor Points at Gumti Bridge Site during-2016 (Work Order # OSJI-WO-081 & OSJI-WO-221)

#### ❖ **Freyssinet Menard Northern Emirates, RNPP Project Bangladesh.**

Supplied high pressure Air Compressor and Diesel Generators.

#### ❖ **Tullow Bangladesh Ltd.**

[A wholly owned member of the Kris Energy Group]

Actively engaged in Engineering Steel Tank Fabrication, Mechanical, Supply of Manpower experienced Engineer, Fabricators, Fitters, Foremen, Scaffolders and Hardware Materials, Mechanical Parts, Diesel Generators, Compressor etc. at Bangora, Cumilla since 2003.

#### ❖ **ANDRITZ HYDRO**

We worked with Andritz Hydro for refurbishment works ( Unit-1,2) like Fabrication, Sand Blasting, Painting, Civil Works, Skilled Manpower Supply.

# Achievement Awards for Outstanding Services



## Received Safety Achievement Award from Sangu Operation:

**Mr. Jim Froster**, Field Manager, **Sangu Gas Plant** Awarded a crest for safety Achievement to Mr. M.A. Sufian, in a celebration party held at **Sangu Gas Field**, Salimpur, Chittagong on January 22, 2003. in recognition of the contribution to the Achievement of the 3 (three) million man hour without a lost time Injury (LTI). M.A. Sufian Engineering Works completed a number of Engineering projects for the plant.



Sangu Field Manager **ROLAND JONES** & Sangu HSE Adviser **DR. ADEEB QUADER**, Awarded a Crest of Safety Achievement to MR. M.A. SUFIAN, of M.A. SUFIAN ENGINEERING WORKS in Recognition of M.A. SUFIAN ENGINEERING WORKS Contribution to Sangu operation's Achievement of 5 Million Manhours without a lost time incidents (LTI). This unique milestone was Achieved on 20th September 2004. A celebration party held at Sangu Gas field Salimpur, Chittagong on 11th october 2004 during the reward ceremony. M.A. SUFIAN ENGINEERING WORKS completed a number of engineering projects for **SANGU GAS Field**.



Mr. M.A. Sufian Received Safety Achievement Award From **Mr. Jerome Lynch**, Global Operation Director, WGPSN on 27th November 2005 for Recognition of HSE Excellence of 6 (Six) million Man Hours with Zero lost time Injury (LTI)



25 Years of TULLOW OIL Celebration in presents of Honorable British High Commissioner **MR. STEPHEN EVANS CMG OBE** & **MR. JAMES BABER** Country Manager of TBL appreciate to MR. M.A. SUFIAN with warmest thanks and best wishes from Tullow Bangladesh Ltd. on 2012



SUFIAN ENGINEERING WORKS Received "**Outstanding Service Award**" on 2011 From Tullow Bangladesh Ltd.

## Project Team



At Bangora Gas Field



At Karnafuli Hydropower Station, Kaptai

## On Going Works And Works We Have Done (Previously)



The Construction of two LPG storage spheres of 2500 M<sup>3</sup> each as per French standard Codap 95 in Kumira, Chittagong



## Rig Repair at Gopalnagar



## Operation At Off-shore



## Ship Repair at Chittagong Dry Dock



Repair of Supply Vessel at Dry Dock

# Bangora Gas Terminal



## Various Project Works



Karnafuli Hydropower Station, Kaptai

## Various Project Works



Sand Blasting and Painting

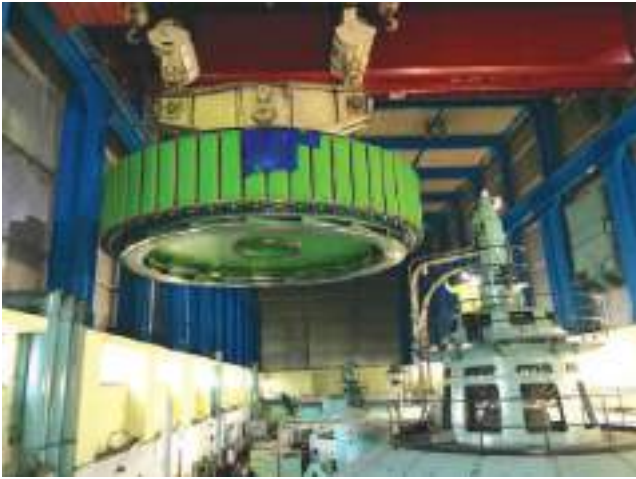
Penstock Painting

## Various Project Works



Inside draft tube of Turbine

## Various Project Works



Turbine over hauling



Bulk head gate maintenance

## Various Project Works



Substation work at Karnafull Hydropower Station, Kaptai

## Various Project Works



| Sl | Name of Material                   | Brand/Model          | Quantity | UOM  | Location                |
|----|------------------------------------|----------------------|----------|------|-------------------------|
| 1  | Diesel Air Compressor              | ELGI DT 450-150      | 1        | pcs  | Workshop                |
| 2  | Diesel Air Compressor              | ELGI PG 450-150      | 2        | pcs  | Workshop                |
| 3  | Diesel Air Compressor              | Doosan D 7/41        | 1        | pcs  | Workshop                |
| 4  | Electric Air Compressor-           | Atlas Copco          | 1        | pcs  | Workshop                |
| 5  | Welding Machine                    | LINCOLN              | 3        | pcs  | Workshop                |
| 6  | Welding Machine                    | DAIHEN               | 2        | pcs  | Workshop                |
| 7  | Welding Machine                    | Pannasonic           | 4        | sets | Workshop                |
| 8  | Welding Machine                    | (RILAND)             | 1        | pcs  | Workshop                |
| 9  | Compresor Air Separator            |                      | 4        | pcs  | R-2/Sh-3/Sec-3          |
| 10 | Cutting Machine (12")              |                      | 1        | set  | R-2/Sh-3/Sec-4          |
| 11 | Water Pump (2 HP)                  |                      | 1        | set  | R-2/Sh-3/Sec-5          |
| 12 | Submersible pump (0.5 HP)          |                      | 2        | nos  | R-2/Sh-3/Sec-1          |
| 13 | Submersible pump (1.5 HP)          |                      | 1        | nos  | R-2/Sh-3/Sec-3          |
| 14 | Sander Machine                     |                      | 3        | nos  | R-2/Sh-1/Sec-1          |
| 15 | Grinding Machine (4")              | CROWN                | 4        | pc   | R-2/Sh-1/Sec-1          |
| 16 | Large Micrometer (400-500Nm)       |                      | 1        | Box  | Container-2 (S1 B2)     |
| 17 | Inner Micrometer (400-500Nm)       |                      | 3        | PCS  | Container-2 (S1 B2)     |
| 18 | Outside Micrometer (300-400Nm)     |                      | 1        | Pcs  | Container-2 (S1 B2)     |
| 19 | Outside Micrometer(150-300Nm)      |                      | 1        | Pcs  | Container-2 (S1 B2)     |
| 20 | Pencil Grinder (GGS-28 (650W))     |                      | 2        | PCS  | Container-3 (S1 B4)     |
| 21 | Hydraulic Jack (100 ton)           |                      | 1        | PCS  | Container-3 (S1 B3)     |
| 22 | Hydraulic Jack (50 ton)            |                      | 2        | PCS  | Container-3 (S1 B3)     |
| 23 | Hydraulic Jack (40 ton)            |                      | 1        | PCS  | Container-3 (S1 B3)     |
| 24 | Hydraulic Jack (32 ton)            |                      | 2        | PCS  | Container-3 (S1 B3)     |
| 25 | Hydraulic Jack (2 ton)             |                      | 1        | PCS  | Container-3 (S1 B3)     |
| 26 | Hydraulic Jack Tools               |                      | 2        | SET  | Container-3 (S1 B3)     |
| 27 | Hydraulic Pump (HP 232)            |                      | 1        | PCS  | Container-3 (S1 B3)     |
| 28 | Hydraulic Pump (HP 110)            |                      | 3        | PCS  | Container-3 (S1 B3)     |
| 29 | Chain Block (20 ton)               |                      | 2        | PCS  | Container-3 (Left Side) |
| 30 | Chain Block (10 ton)               |                      | 2        | PCS  | Container-3 (Left Side) |
| 31 | Chain Block (3 ton)                |                      | 3        | PCS  | Container-3 (Left Side) |
| 32 | Chain Block (1.5 ton)              |                      | 2        | PCS  | Container-3 (Left Side) |
| 33 | Lifting Jack                       |                      | 3        | PCS  | R-2/Sh-2/Sec-1          |
| 34 | Lifting Belt ( (2M/2 Ton)          |                      | 5        | PCS  | R-2/Sh-3/Sec-4          |
| 35 | Lifting Belt (6M/5 Ton)            |                      | 1        | PCS  | R-2/Sh-3/Sec-4          |
| 36 | Paint Thickness Gauge              |                      | 1        | pc   | R-1/Sh-1/Sec-3          |
| 37 | Lever Block (6 ton)                |                      | 2        | PCS  | Container-3 (Left Side) |
| 38 | Lever Block (3 ton)                |                      | 2        | PCS  | Container-3 (Left Side) |
| 39 | Lever Block (1.5 ton)              |                      | 2        | PCS  | Container-3 (Left Side) |
| 40 | Lever Block Tools                  |                      | 3        | PCS  | Container-3 (S1 B2)     |
| 41 | Granite block frame                |                      | 1        | PCS  | Container-3 (S1 B2)     |
| 42 | Metal Frame                        |                      | 2        | PCS  | Container-3 (S1 B2)     |
| 43 | Metal Frame                        |                      | 1        | PCS  | Container-3 (S1 B2)     |
| 44 | Heat Gun                           |                      | 1        | nos  | R-2/Sh-1/Sec-1          |
| 45 | Ultrasonic Thickness Gauge         |                      | 1        | set  | R-2/Sh-1/Sec-1          |
| 46 | Hand Tap                           |                      | 2        | PCS  | Container-3 (S1 B4)     |
| 47 | Torque Wrench                      |                      | 1        | PCS  | R-1/Sh-1/Sec-3          |
| 48 | Socket (Torque Wrench)             |                      | 1        | Set  | Container-3 (S1 B3)     |
| 49 | Bending Pump                       |                      | 1        | PCS  | Container-3 (S1 B3)     |
| 50 | White Socket (46-80 mm)            |                      | 1        | Set  | Container-3 (S1 B2)     |
| 51 | White Socket (32-60 mm)            |                      | 1        | Set  | Container-3 (S1 B2)     |
| 52 | Band Saw                           |                      | 2        | PCS  | Container-3             |
| 53 | Magnetic Drill                     |                      | 2        | PCS  | Container-3             |
| 54 | Core Magnetic Drill                |                      | 1        | PCS  | Container-3             |
| 55 | Polygonal Socket                   |                      | 1        | Box  | Container-3 (S1 B4)     |
| 56 | Push Rod                           |                      | 3        | PCS  | Container-3 (S1 B2)     |
| 57 | Centrifugal Pump (RPM-2900)        |                      | 1        | PCS  | Container-3             |
| 58 | Impact Socket                      |                      | 2        | PCS  | Container-3(S1 B3)      |
| 59 | Bosch Impact Wrench (GDS-30, 240V) |                      | 1        | PCS  | Container-3 (S1 B4)     |
| 60 | Electrical Panel Board             | palazzoli DB36760063 | 1        | SET  | Container-3 (S1 B4)     |
| 61 | Electrical Panel Board             | palazzoli DB56760060 | 1        | SET  | Container-3 (S1 B4)     |
| 62 | Electrical Panel Board             | palazzoli DB66760060 | 1        | SET  | Container-3 (S1 B4)     |
| 63 | Electrical Panel Board             | palazzoli DB11615107 | 2        | SET  | Container-3 (S1 B4)     |
| 64 | Electrode Holder (Welding Machine) |                      | 6        | set  | R-1/Sh-3/Sec-3          |
| 65 | High pressure hose 1/2" dia        |                      | 3        | sets | R-1/Sh-1/Sec-1          |
| 66 | Silencer of Diesel Generator       |                      | 1        | pc   | R-1/Sh-1/Sec-4          |
| 67 | Welding cable                      |                      | 6        | sets | R-2/Sh-3/Sec-34         |
| 68 | High Pressure Machine              |                      | 2        | set  | R-2/Sh-3/Sec-2          |
| 69 | Circuit Breaker-SP 16              |                      | 4        | pcs  | R-1/Sh-1/Sec-4          |
| 70 | Circuit Breaker-DP 20              |                      | 1        | pc   | R-1/Sh-1/Sec-4          |
| 71 | Vernier Caliper                    |                      | 3        | PCS  | R-1/Sh-1/Sec-3          |
| 72 | Extension Cable                    |                      | 4        | pcs  | R-1/Sh-3/Sec-5          |
| 73 | Portable Hand Blower               |                      | 1        | set  | R-1/Sh-2/Sec-4          |

## Equipment list



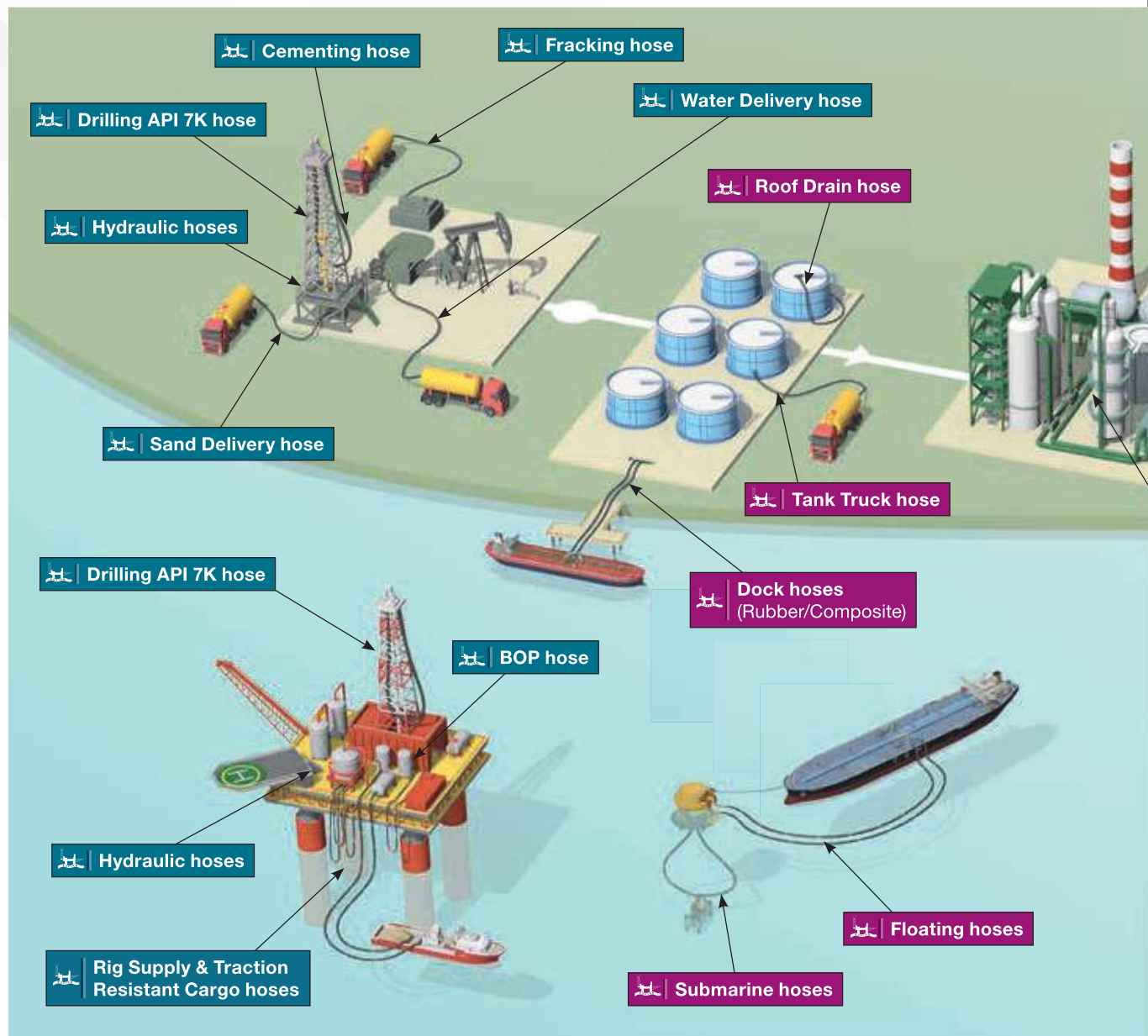
A welder wearing a white helmet, a blue and grey protective suit, and yellow gloves is kneeling on the ground, welding a large, rusted metal pipe. Bright sparks are flying from the welding point. The background is a dirt and rock construction site.

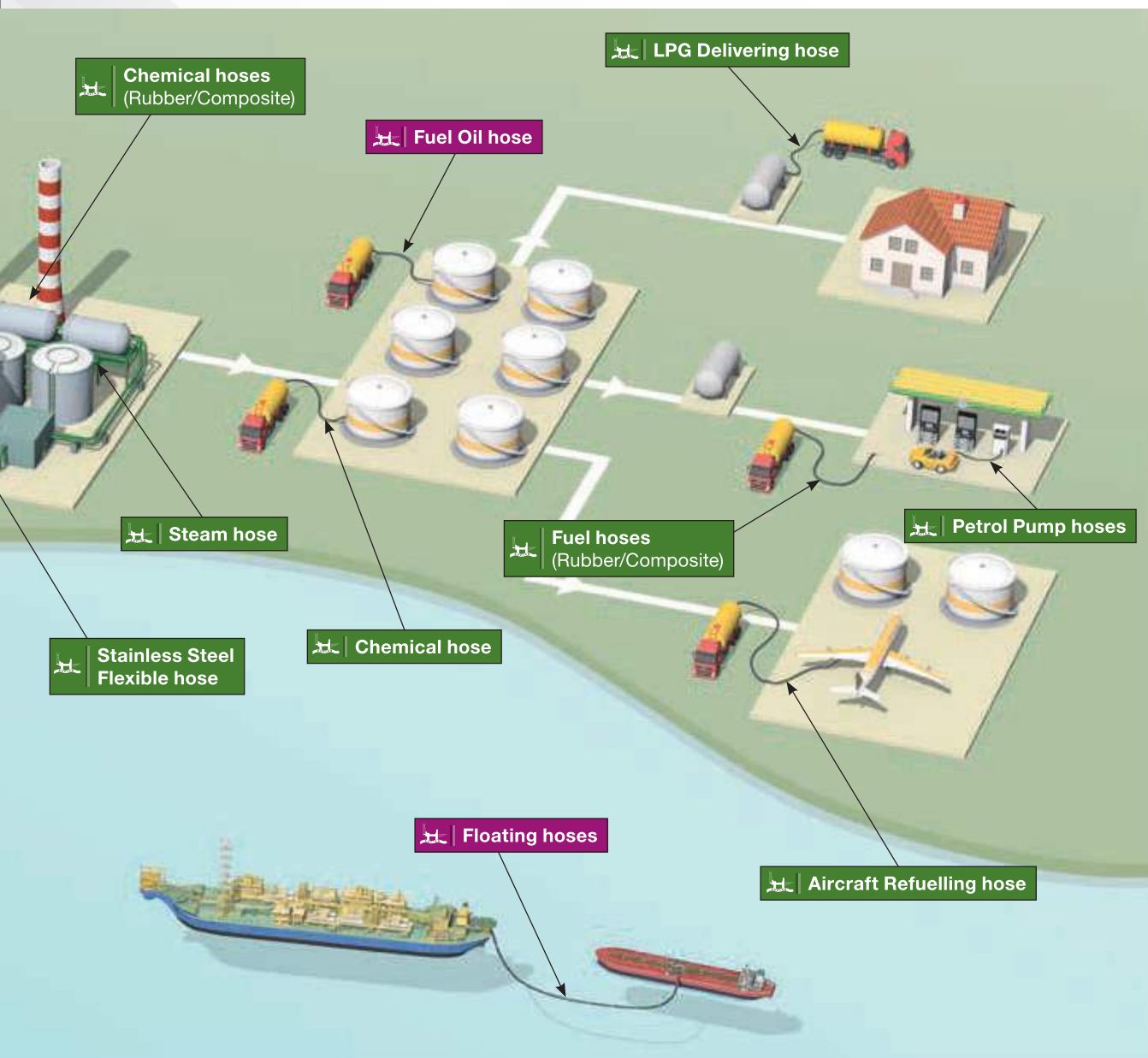
# Safety

Ensuring safety is critical; it's not just about keeping records and maintaining programs. We are committed to providing a safe and healthful workplace, incorporating "best practices" in our policies and procedures, and identifying and correcting risks. Our safety programs and commitment to safety are intended to foster an injury-free, productive workplace. We are proud to have earned the industry's highest safety ratings and our Experience Modification Rating (EMR) places us as a leader amongst our peers. In addition to providing an enjoyable, safe, and healthful work environment, we encourage and support employee health and wellness through a variety of fitness-related company activities throughout the year.

**Safety and wellness are more than just policies at Cannon—they are cornerstones to how we work in the field and in our offices.**

# OIL & GAS PRODUCT OVERVIEW









## Valuable Client List

- |                                             |                                                       |
|---------------------------------------------|-------------------------------------------------------|
| 1) ABB                                      | 11) CHIYODA Corporation                               |
| 2) MCE (Machinery Construction Engineering) | 12) BS Engineering                                    |
| 3) Pride Foramer                            | 13) KBR                                               |
| 4) Halliburton                              | 14) Shell Bangladesh Exploration and development B.V. |
| 5) Cairn                                    | 15) Santos Sangu Field Ltd                            |
| 6) EENV (Energy Explorer N.V.)              | 16) Tullow & Kris Energy                              |
| 7) ENTERPOSE DB                             | 17) OSIL                                              |
| 8) TECHNIP                                  | 18) Freyssinet Menard Northern Emirates               |
| 9) BJ Services Company Middle East Ltd      | 19) Andritz Hydro Sri                                 |
| 10) Canadian Helicopters                    | 20) Adani                                             |



HALLIBURTON



KBR



CONTACT US 

[www.gmostafa.com](http://www.gmostafa.com)



-  Dhaka Corporate Office: House # 02/C, Road # 13, Nikunja – 02, Khilkhet, Dhaka-1229, Bangladesh.
-  Dhaka Register Office : Ka-98/5, Mohakhali Dakkhin Para, Dhaka-1212, Bangladesh.
-  Chattogram Office : 3414/A, Beach Road, Katghar, South Patenga, Chattogram, Bangladesh.
-  +88 01737-064466 +88 01718-122270, +88 01819-311561
-  [info@gmostafa.com](mailto:info@gmostafa.com)