



FIRE PROTECTION AND SAFETY

Safety and Innovative
Transformation



The sole representative
of I.S.I France



FIRE PROTECTION AND SAFETY

Safety and Innovative Transformation



MAGENAC

ULTIMATE CHOICE IN FIRE PROTECTION



Magenac is quick in recognizing that to provide unrivalled services to the Nigerian oil and Gas industry. There is need to be in strategic partnership with world class original equipment manufacturer (OEM). We are currently in partnership with Industrie service international, the leading fire equipment manufacturer in France.



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MAGENAC

INTRODUCTION



We understand the complex issues facing the Oil & Gas Safety and have invested in equipment and technologies that save time and cost for our clients; enabling them to optimize production.

We have built a professional culture around the Nigerian system that enables us to conduct business ethically without losing the conviviality surrounding world class service.

To distinguish ourselves, we emphasize on technical expertise, customer focus, on-time delivery, cost competitiveness, quality of service and commitment to professional practices .

With the benefit of hindsight, Magenac Limited adheres to global standards and best practices across The Industry; and we employ, train and retrain highly qualified and experienced professionals with whom we are well positioned to provide best-in-class services to Oil & Gas sector.

This is further substantiated by our technical synergies with our foreign and local partners with whom we boast of more than half a century Oil & Gas servicing experience.

WHAT WE DO

- Fire Engineering
- Global Procurement/Supplychain services
- Fire Fighting systems Design
- Fire Fighting Materials
- Fire Pumps Solution
- NPSH Calculation and Verification
- AFFF Foam Concentrates
- Design Installation/Maintenanc and Repair



COMPANY PROFILE

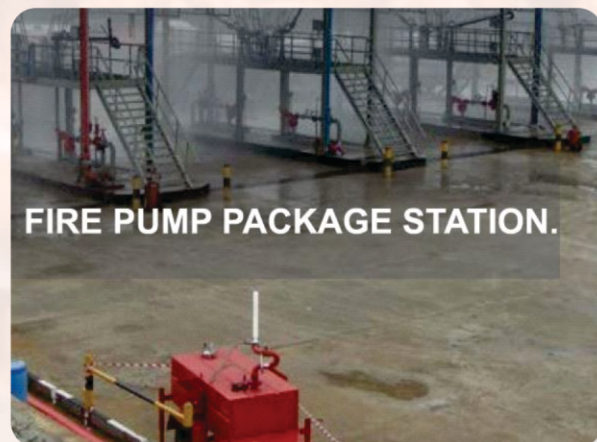


Magenac International Ltd is an EPCIM company with highly innovative and technically oriented Engineering company registered in Nigeria with RC NO: 1558161.

We are sole representatives of Industries service international (ISI) France.

We are highly experienced in the industry with various IOC's, manufacturing and petrochemical companies in -country delivery, critical turnkey offshore and onshore projects in line with industries standards and specifications taking quality and HSE policies as a key part of our Services.

With our well trained efficient experts and modern facilities we guarantee quality safety service delivery to our highly esteemed clients across the globe.



MAGENAC

COMPANY STATEMENT

Mission Statement



To develop exceptional values to our clients in the area of Engineering, Procurement and Project Management with regards to Fire Protection and Prevention in the oil and gas industry.

Vision Statement



To be the leading, Indigenous most innovative oil and gas service company with rapid and quality services

Core Value



- * Quality
- * Safety
- * Trust



MAGENAC

OUR CLIENTS



OUR SERVICES

- Fire Engineering
- Global Procurement/Supplychain services
- Fire Fighting systems Design
- Fire Fighting Materials
- Fire Pumps Solution
- NPSH Calculation and Verification
- AFFF Foam Concentrates
- Design Installation/Maintenance and Repair



FIRE PROTECTION/PREVENTION

Pump & water/foam/powder/Gas Extinguishing system

Over the years we have built technical capacity of Fire Protection Systems for both the Upstream and Downstream sector of the Oil and Gas Industry.

We provide preliminary assessment and installation of safety mechanism required to prevent and combat fire in oil and gas operations, Fire scenario calculation, material requirements, hydraulic calculation and Layouts



MAGENAC

OUR SERVICES

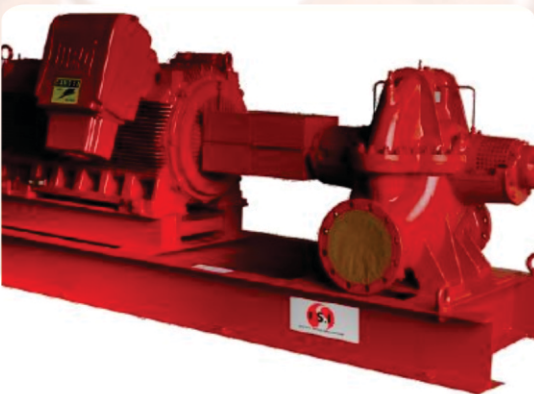
First attack and manual materials

Manual nozzles, fire hoses, fire cabinets, mobile monitors and foam units, trailer, trucks accessories



Fixed Installation Materials

Monitors, foam generators, water spray and foam nozzles, powder skids, twin agents, tanks: Hydrants, Hose reels. Consumables: Powder, foam concentrates,



Electrical pump sets

Skids and Prefabricated packages

Pump skids, deluge systems, foam mixing systems, powder systems, bespoke systems upon requirements

Full firefighting equipment packages (materials, pumps, special valves)

OUR SERVICES

Offshore/Onshore Solutions

On-board a ship, platform or rig, fire is potentially greatest single threat to safety, and therefore choosing the right fire protection is a serious business. In the event of fire, there is no municipal brigade to call, it's down to the crew to regain control. So effective extinguishing systems and fire fighting equipment are vital.

Magenac has an extensive experience of all aspects of fire detection, fire extinguishing and safety services for the mainstream and offshore industry.

which includes the design, manufacture, supply and installation of new systems, the supply of approved equipment, servicing and maintenance, repair and renovation, as well as foam testing and certification.



Foam Extinguishing Materials

We offer a range of foam extinguishment materials ranging from atmospheric foam tanks, Gas propelled foam mixers, high expansion foam pourers, Medium expansion foam pourers, low expansion foam pourers, fixed roof foam pourers, Atmospheric foam tanks, vertical and horizontal bladder tanks, foam concentrates AFFF/FFFP

FIRE ENGINEERING



Hydraulic remote controled Monitors

All Monitors can be made to client's standards and needs with

- Special flanges any sizes and pressure rating
- Beam nozzles
- Variable jet nozzle (cone and flai)
- Special materials and coatings
- Special Flows

Fixed Monitors

We offer range of foam extinguishment materials ranging from atmospheric foam tanks, Gas propelled foam mixers, high expansion foam pourers, Medium expansion foam pourers,

low expansion foam pourers.

fixed roof foam pourers, Atmospheric foam tanks, vertical and horizontal

bladder tanks, foam concentrates AFFF/FFFP

Portable fire extinguishers

We offer a comprehensive range of marine approved fire extinguishers,

Including traditional water, foam, powder

And 002 extinguishers to cover most areas of rist.



Fixed Monitors

Our range of Monitors goes up to 200001/mm at 7bar with variable Jet Nozzle

Safety products

Magenac offers a full range of offshore/onshore approved fire protection and safety products through our technical Partners Industrie Service International(ISI)



OUR SERVICES

Jetty fire protection

Jeffies are a very high-risk area bringing risks for people, equipment and environment because they are:
Connected to tankers
Connected to tank farms

- * Operated by people
- * With flammable liquid capacity and liquid movement
- * With risks of leakage of equipment (valve, flanges, pumps, hoses)
- * A valuable and strategic asset that cannot be switched off
Our goal is to
- * Protect the Jeffy against fires around It
- * Protect the ship against fires around it
- * Protect the jetty and the ship against fire on the jelly or onboard* Protect neighbourhood.



Global Procurement/Supply Chain Services.

Magenac Ltd adopts a systematic procurement management system in its major projects by preparing and implementing a comprehensive procurement program to supply equipment, materials and services for the project.

The procurement plan is based on an approach to achieve optimum project objectives in terms of safety, schedule, cost, technical and commercial compliance as well as local participation initiatives.

Magenac Ltd provides procurement services as follows:.

Material Requisitions.

Bid Evaluation.

Vendor Documents Follow up.



FIRE ENGINEERING

Fire Fighting System Designs

We also carry out firefighting system designs, our technical partners ISI is a world class leader in design and manufacturing of firefighting systems for industrial hazards: basic design. P&ID, Fire scenario calculation, material requirements, pump capacity requirements, hydraulic calculations, layout
We offer a wide range of solutions for your facilities such as:



A Detection Solution

At Magenac we provide you with detection capabilities. We provide the latest technology in enabling modern systems to get much smarter about fire detection from our wide range of products.

Our heat detector is capable of triggering an alarm before smoke is present will give an even higher level of protection. The difference between a good detection system and a bad detection system is often the difference being able to stop a small fire and a small fire growing into something much more damaging.

Deluge Systems

Magenac Deluge systems provide protection against fires. They are composed of open sprinklers attached to a piping system that is connected to a water supply through a heat responsive valve. When this valve opens, water is discharged into the piping system and through the open sprinklers. This discharge must occur rapidly and efficiently in response to a fire. Deluge systems can also release other extinguishing materials water, such as foam, dry powder chemicals or inert gases.



FIRE ENGINEERING

Fire Suppression(Sprinkler System)

When the alarm system is triggered, it engages a suppression system designed to at least contain a fire until it can be extinguished.

A sprinkler system is the most common form of suppression.

For facilities where sprinklers are not an option(for Instance, If water suppression will destroy sensitive equipment),chemical suppression systems are an option.

Installation Maintenance and Repairs of fire protection systems

At MAGENAC we carry out full testing, design, maintenance, Installation and repair services for fire protection systems

As a part of our fire safety equipment installation services, we provide installation of fire safety systems such as fire detection, fire sprinklers, fire suppression systems, fire alarms, and a lot more.

Our engineer's design superior-quality fire protection systems that are best-suited for your structure and will respond immediately to fire to ensure you and your employees' safety and greatly reduce the loss of property, We work with you from inception to the end of your fire safety project

The success of our fire protection equipment installation services comes from collaboration. We team up with you, contractors, architects, and other stakeholders to make sure that the fire protection systems are seamlessly installed in your structure as to not affect its aesthetics. This is especially important when working in historic properties, in which we have decades of experience.

Once the fire safety equipment installation is complete, we test the system to make sure it is operating perfectly.

The performance of a fire safety system depends on its installation and design. Yes, that's true. A fire protection system that is not installed properly will not function properly. Some common problems are marginal installation such as voltage transients and improper grounding.

The right installation techniques ensure that your fire safety equipment does not malfunction when you need it the most.

PRODUCT CATALOGUE

How we plan fire safety equipment installation?

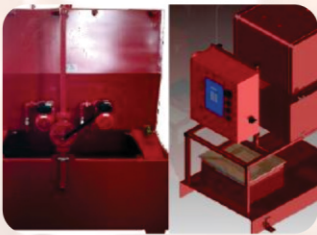
- Here are the steps we follow when installing fire safety equipment:
 - Understand the architecture of your facility and the design of the fire protection system.
 - = Understand your requirements (deadline, budget, etc.)
 - Collection of material required for the fire safety equipment installation - control valves, pressure gauges, hangers, sprinklers, alarms, etc.
 - Fire safety equipment installation.
 - Completion of the Installation by conducting a final Inspection and testing.
- Our partners ISI guarantees the compliance of its products and services with clear and detailed procedures based on ISO 9001:2008
- Our pumps are CE Certified
- We are equipped with a hydraulic test and bench for both water and foam concentrates.



Fire Pumps
Control panel



Bespoke electrical
pump sets



Fire Pumps
Diesel - Fuel Tank



Towers for Fire
Monitors < 10m



Transportable
Monitors



Light Monitors
Trailers



Medium Monitors
Trailers



Heavy Monitors
Trailers

PRODUCT CATALOGUE



**Vertical and
Horizontal Bladder
tanks**



**Foam Concentrates
AFFF/FFFP**



**In Line Mixers
(Inductors)**



**Gaz Propelled
Foam Mixer**



**Fixed Root Foam
Pourer (Foam Chambers)
NFPA 11**



**Floating Root Rimseal
Foam Pourer
NFPA 11**



**Gaz Propelled
Foam Mixer**



**Atmospheric
Foam Tanks**



**Foam Concentrates
AFFF/FFFP**



**Medium Expansion
Foam Pourer
NFPA 11**

PRODUCT CATALOGUE

Mobile Monitors



Fire Cabinets



**Underground
Connected Hydrants**



**Towers for Fire
Monitors < 10**



**Aerial Connection
Standard or Bespoke
Hydrants**



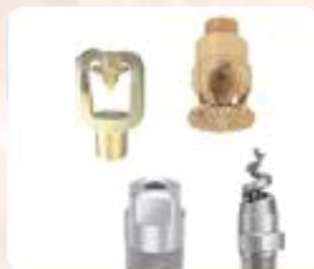
Fire Hoses



**Containers Pump
Stations 10' 20' 40'**



**Foam/Water
Deluge Nozzles
for tank rings**



**Full Cone Spray
nozzles Medium and
High Velocity and
Spiral type**



**Water Curtain
Nozzles**



Flat Spray Nozzles

PRODUCT CATALOGUE

Spray Materials



**Deluge Preaction
Sprinkler**



**Deluge Preaction
Sprinkler**



**Couplings divisions
and standard**



**Reducers and adaptation
any standard**



Couplings Keys



**Fixed Manual
Monitors**



**Fixed Manual
Monitors**



**Electric remote
controlled Monitor**



**Foam/Water
Deluge Nozzles**



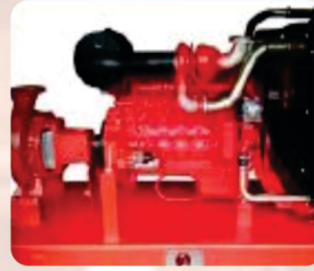
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PRODUCT CATALOGUE

Fire Pumps Water/Foam



**Bespoke electrical
pump sets**



**Air Cooled Diesel
pump sets**



**Trailer Mounted
Pumps**



**Water Cooled
Diesel pump sets**



**Special skids:
Explosion proof,
with pipes, valves,
instrumentation**



**Special skids:
Jockey pumps,
A Sources, Safety
shower pumps,
Hose reels and
Hydrants pumps**



**Standard electrical
pump sets**



Offshore Solutions



PRODUCT CATALOGUE



Jet fire protection



Pump house water spray



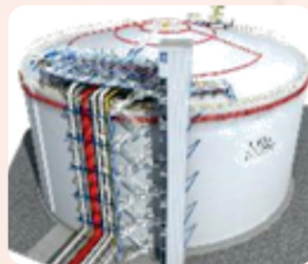
Hydrants & Manual Equipment



GPL Storage



Small Electrical Pumps



Offshore Extraction



Diesel Fire water



Bottling



Transformer Fire Protection



Valves for Fire Fighting systems

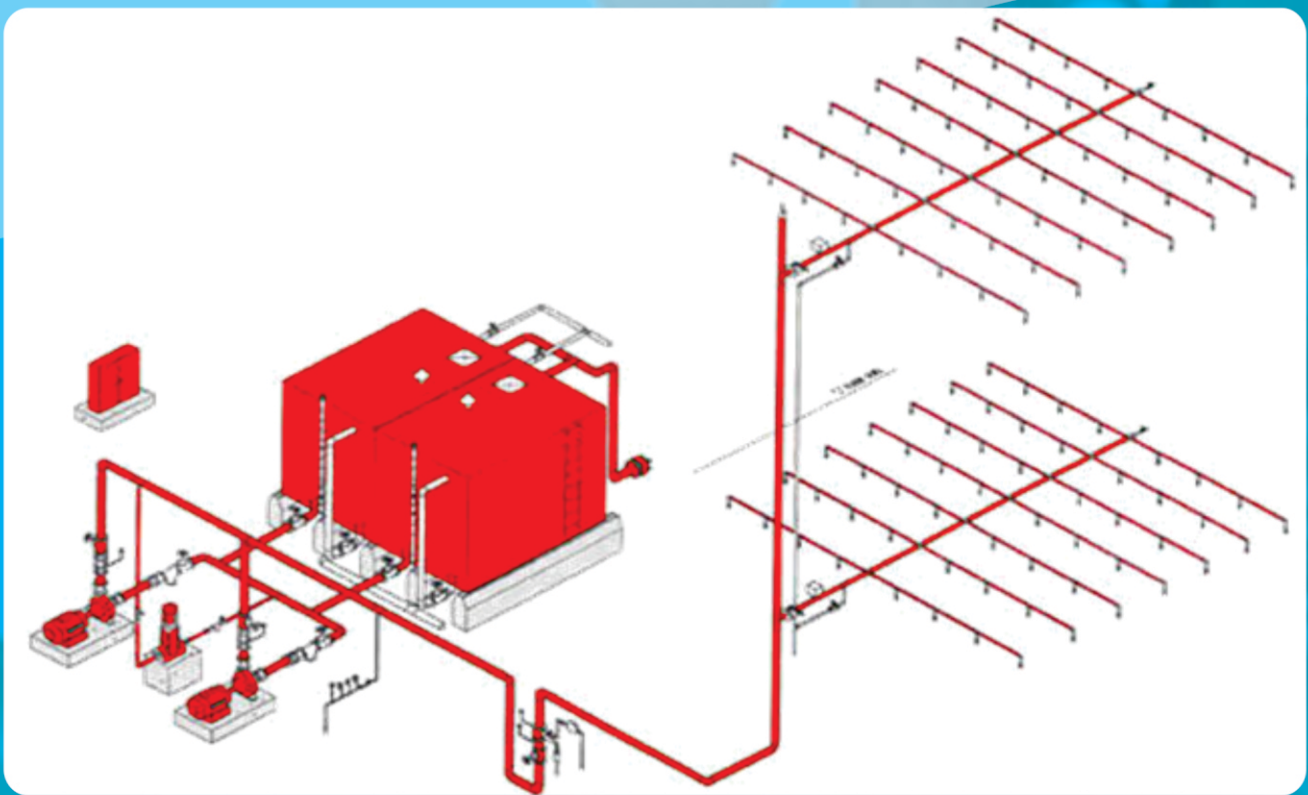


Fire water Pump station in container



Fire water and foam Pump station

SPRINKLER SYSTEMS



MAGENAC



The sole representative
of I.S.I France

OUR CONTACT



Fire Protection Systems



Lagos: 19 Olori street ikeja Lagos

Rivers: 94 Obiwall Road Rumuigbo
Portharcourt Rivers state.

London: 31b Albert Square Sw8 1D London
United Kingdom



info@magenac.com



+234-705-668-3688
+44-771-735-3527



www.magenac.com



The sole representative
of I.S.I France



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