



Realization and construction of pipeline systems for the following products: natural gas petrol, mud, multiphase.

SAHARA GROUP, and more precisely SAHARA PETROLEUM is one of the most qualified constructor's of pipelines in the world, this is due to 30 year's of experience in the business.

Feasibility studies, Basic engineering, direction, way, place, specialists reports, rights of way, ground acquisition, are all parts of our competence's.

SAHARA PETROLEUM is a specialist in the realization of projects under the most difficult of conditions, i.e. climate changes (freezing, snow, heat, dessert, heavy rains) geological changes ( mountains, jungle, tundra, swamps).

Our modern equipment and applied procedures allow us to save time and money.

We offer a large range of steel tubes respecting HFI norms from 40 mm to 500 mm diameters. As for your specific needs of your order and the biggest tubes required for the offshore construction: we offer you superior quality steel tubes up to 18 meters maximum length; the doubling and the products to protect the tubes, limiting leaks during transport of the fluids and guaranteeing minimal internal friction.

The tubes we supply support transport of all fluids and gases such as, petrol, natural gas, or other gases, inflammable liquids, pulverized powdered solids, drinking and salted water.

High frequency induction (HFI) in the range of welded tubes allows the circulation of a comprehensive range of products, over whatever a distance, at whatever moment in time you wish, rapidly, safely, 24 hours a day, whatever the weather. Our pipelines for you, will be the best form of transport for your liquids and gases, with least risk, least cost.

## **PIPELINES**

Start-up services for all of Pipelines, including Oil, natural Gas, and Slurry, Multiphase, and refined-products systems.

- \* Most qualified pipeline builder in the world-core team averages 30 years experience.
- \* Capabilities include feasibility studies, basic engineering, route location, surveying, right-of-way and fee land acquisition.
- \* Specialists in difficult terrain-mountain, jungle, tundra.
- \* Innovative equipment and procedures to save time and money.

We can supply you with the optimum technical and economic solutions for all your HFI steel lie pipe needs, with our wide range of line pipe materials and nominal widths of 40 to 500 mm, outside diameters of 48 to 508mm and wall sicknesses of 4 to 16mm.

For example, we can meet the special requirements for pipes needed for offshore applications by using high-grade steel and wall sicknesses of up to 16mm.

We help reduce pipe laying costs by supplying pipes lengths of up to 18m, to minimize welding and field coating requirements, on request we supply linings and coatings for pipe protection. This also optimizes pipe safety and reduces the energy expended to transport the medium, by ensuring minimum friction inside the pipe.

Whether it's natural or other gases' oil ' petrol or other inflammable liquids, pulverized or granular solids, drinking , process or waste water.



The high-frequency induction (HFI) welded steel line pipe will enable you to convey what you need to where you need it – whether it's a few hundred meters or hundreds of kilometers, quickly and reliably, round the clock, whatever the weather, exceptionally safely and more consciously than by any other means.

Please note all of the projects with the governments, will be built on B.O.T. or B.O.O.T, which means we arrange for the construction and the contractors like (siemens or others). It depends on the type of the project as well as we arrange 100% of the finance of each project. Some of the projects will require sovereign government guarantee, and others we enter into private finance and own the project for a period agreed with the government - between 30 to 50 years – that will depend on the cash flow of each transaction. Recently, we have been invited governments

Organizations to be apart of one of the acceptable groups to finance, build and operate the pipe lines all over the world

## **Our Capabilities**

Sahara Group UK'S ambition is to be a Total Solutions Provider to the built and infrastructure environment. We work with clients, as part of their team, from project conception through to delivery and on-going operations. This integrated method of delivery along with Sahara Group UK's extensive capabilities across all elements of a projects lifecycle, allow us to deliver world-class projects on time, on budget and to exacting standards.

With our focus on innovation we continually strive to develop the solutions which meet and exceed our client's needs. Through our self-delivery capabilities, the Sahara group are able to deliver a broad offering that drives out waste, mitigates risk and allows us to integrate project resources quickly and effectively, thereby increasing productivity.

## **Mohammed M. El Sayed Hawas**

### **Chairman of Hawas Holding GROUP**

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SAHARA GROUP, established and registered in the Eighties, in the world.

As is generally known, our historic success has been largely related to achievements directly associated with matters mostly involving the provision of crude oil and processing of the oil into refined products of all tYpEs – both in European and American geographical areas.

To a large extend, this has been made possible bY our remaining **a praviledget assignee of valid multiple digit Petromin Number** and because we have managed to maintain excellent relations with the country'S" producers of the crude oil.

In this connection, it has become our policy to be the actual purchasers of the crude oil from the originating sourceS, and from thERE on to conduct related follow – on transactions with the ultimate end users.



Participating through separate international financial procedures on wholly governmental basis, we are also commencing identical procedures with various other nations worldwide.

In this connection we enter the field of international financing, where THERE ARE not only a need, BUT there are corresponding natural resources. That automatically involves the entire spectrum of energy and TECHNOLOGY.

Further ahead, we find ourselves in the sphere of high technology in as much as it applies to our historic efforts in the areas of fuel and related projects, within domain of modern oil operations, power generation and communications on wholly integrated basis worldwide.

Over the years, the Group has branched-out into many diversified sectors with added value to our Customer's Projects by looking beyond the everyday developing practical solutions combining world class experience and cutting edge thinking with commitment and best practice.

Our Staff around the World presents a breadth depth and caliber of technical expertise that's second to none.

We Are wholly independent, global Company with large turnover and in over many Countries on Projects in all sectors from Transport, Energy, Building, Water and the Environment to industry, Communications, Social development, Health and Education.

Our Customers include National and Governments, Public and Private Utilities, Industry and Commercial Companies, Developers, Banks, funding Agencies and private Individuals.

The reality coupled with the vision of the tasks, missions and functions which now apply with our corporation derive from the history and projections that I have outlined briefly above, have motivated the realignment of our board as herein indicated.

The major modification and expansion within our management organization, which has been brought about and necessitated by our expansion as worldwide organization has been done as a result of energetic work on all matters we are dealing with.

#### BUSINESS ACTIVITIES:

##### § INTERNATIONAL TRADING

§ GAS, NATURAL GAS, Crude oil and crude oil products

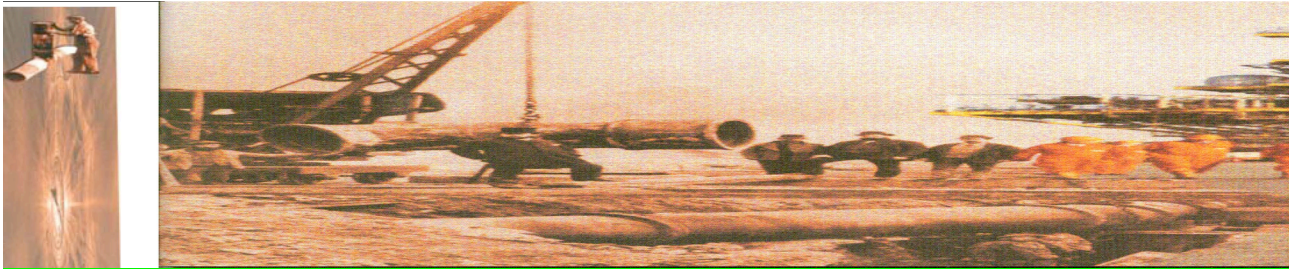
§ "AU" AND Precious metals

##### § FINANCING

**Mohammed M. El Sayed Hawas**

**Chairman of SAHARA GROUP**

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