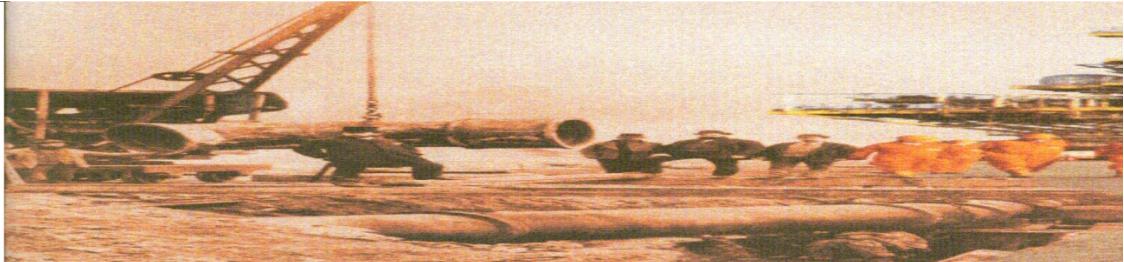


SAHARA INDUSTRIAL AND DEVELOPMENT

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.

WATER

Comprehensive consultancy, engineering, construction, and project management services for all aspects of water and wastewater treatment through international group for water technology worldwide.

- * More than 150 wastewater treatment facilities completed.
- * More than 40 water treatment facilities completed.
- * Completed projects totaling more than 1.5 billion USD during past five years.
- * Expertise includes water treatment plants, sewage systems, sludge handling, and desalination facilities.
- * Professional and technical staff of 1,200 provides primary knowledge and resource base for projects worldwide.
- * International water limited SAHARA GROUPS affiliate-pursues privatized, concession, BOT/BOOT water and wastewater treatment projects outside A America.
- * SAHARA GROUP UK S.A affiliate – pursues privatization and concession projects in America.

Wherever water power can be harnessed economically, it is usually the preferred source for electricity supply.

Problems of pollution, uncertain future fuel prices, and finite reserves of fuel, are avoided, with care and sensitivity it is also possible to preserve and enhance amenity, and often to incorporate associated benefits such as irrigation and flood control.

Long-established technology has been refined for high efficiency and reliability and for convenience and economy, on both large and small scale. The development of small hydro demands appropriate technology and cost-effective solutions which may differ significantly from the approach adopted in large scale developments.

SAHARA GROUP UK S.A has found that successful implementation of small hydro schemes requires innovative design as well as the standardization of features across a number of sites within a region.

During its long life, a hydro-electric scheme may be significantly modernized and up-rated when items of plant are replaced or reconditioned.

SAHARA GROUP UK S.A is proud of its world-wide contributions to the provision of reliable and economical hydro-electricity.

SAHARA Group's engineers have played a leading part in most of the major studies on tidal power development, and have for many years provided specialist consultancy services in connection with the safety and insurance of dams and other important works. Services provided to individual clients include investigations, planning, feasibility studies, design, and contract. Procedures and administration, supervision of construction, and specialist advice.

ENVIRONMENTAL



Effective solutions for environmental restoration Including design, consulting, construction, and radiation.

- * Rated leading environmental contractor by engineering news-record.
- * More than 500 hazardous waste cleanups completed.
- * More than 150 major environmental assignments completed.
- * Expertise includes hazardous waste, water quality, and air quality.
- * Integrates disparate environmental activities on large, complex sites.
- * Tight controls and management systems to coordinate multiple locations.
- * Depth of resources and flexibility to move people quickly the world.

TECHNOLOGY & CONSULTING

Development and commercialization of advanced technologies, and technical and management consulting in key industrial sectors.

- * Value engineering of advanced concepts, such as developing treatment technologies for nuclear materials.
- * Engineering, construction, and start-up of advanced power technologies.
- * Leadership of consortia to develop and demonstrate advanced transportation technologies.
- * Positioning SAHARA in new business areas, such as distributed power generation and health care treatment technologies.
- * Electric power and natural gas consulting-planning and operations.
- * Energy management services-policy and planning, program implementation, facility assessment, and facility implementation.
- * Resource management services-energy, mineral, and water resources planning, institutional strengthening, and privatization, technology management, and industrial ecology.
- * Information integration-integrated plant automation system optimization and planning, and power quality and energy services.
- * Oil and gas systems-planning, strategy development and implementation, and resource allocation, development, ownership, and operations.

<file:///F:/webfinal/full about>

[SG.htm](#)

INDUSTRIAL



Facilities for a wide variety of light and heavy manufacturing industries, including Microelectronics Biotechnology, Pharmaceuticals, Food and Beverage, Automotive / Manufacturing, consumer products, and Pulp and Paper.

- * More than commercial and industrial building completed
- * More than manufacturing projects completed
- * Microelectronics capabilities include silicon wafer manufacturing, wafer fabrication, photo mask, consumer electronics, semiconductor, and specialty gas and chemicals.
- * Biotechnology capabilities include fermentation and cell culture, infiltration and ultration, and plant and high-purity utilities
- * Pharmaceuticals capabilities include chemical synthesis, solvent extraction, crystallization and centrifugation, lyophilization, clean rooms, and high-purity utilities.
- * Food and beverage capabilities include canning and bottling, controls and automation, manufacturing execution, aseptic packaging and processing and wet/dry packaging
- * Automotive / manufacturing capabilities include automation and controls, materials handling and control, waste stream management, paint systems, and distribution.
- * Consumer products capabilities include materials handling, clean-in-place, automation and controls, detail and process, packaging, and equipment importation.
- * Pulp and paper capabilities include pulp mills, paper facilities, paper converting forest products, newsprint, fine paper, board and mdf, recycle fibber, and linerboard.

SAHARA ENTERPRISES

SAHARA Enterprises provides a full rang of development and financing services, from inception through operations-from vision to value. It takes ownership positions in projects and companies as a continuing partner in the economic life of the communities it serves. More than creating successful projects, SAHARA Enterprises is building successful infrastructure

businesses.

- * Maintains ownership interests in large industrial projects in operation or under construction, with a big asset value.
- * Participates as a partner in many premier infrastructure and technology companies in the power generation, water and wastewater, transportation, pipelines and telecommunications sectors.
- * Provides premier financing and merchant banking expertise, developing structures and raising capital from commercial banks, multilateral and bilateral lending institutions, export credit agencies, and capital markets.
- * Has developed first-of-a-kind privatization projects in Egypt and other countries
- * To enhance infrastructure development, invests in selected equity funds that specialize in target countries, or markets.