

## **SAHARA GROUP UK CONSTRUCTION**



### **World Class ..... Worldwide**

SAHARA GROUP UK, a global company, is a leader in each of its four core activities of Construction, Property, Housing, Hospitals, Railway, Ports, Airport Road, Infrastructures, Energy, Oil Refineries, Public Building, Retail and leisure, Industry and Commerce, Trading, Finance and a Culture of Innovation.

SAHARA GROUP UK Construction, at the leading edge of international construction and engineering, is positioned to meet the challenges of this millennium.

It is a world class company dedicated to a process of continuous improvement, delivering world class construction projects to highly valued clients throughout the world.

It is a company with an unparalleled commitment to innovation, backed by a substantial investment in new technology and research into the total constructions process.

Our world-renowned 'teamwork' logo will continue to be associated with many of the world's landmark projects of the future.

## **INFRASTRUCTURE**

SAHARA GROUP UK has at heart of some of the world's most challenging construction projects. From its earliest days SAHARA GROUP UK has played a significant role in the provision of major infrastructure including Tunnels, Roads, airport and bridges. Our teams have operated in some of the remotest and most inhospitable parts of the world.

We succeed by thoroughly under-standing the culture of the host countries in which we work.

As a leader in new initiatives, SAHARA GROUP UK is involved in a number of privately funded infrastructure projects around the world, private Finance Initiative, our consortium has been awarded the concession to design, build, fund and operate one of the first major privately funded airport in Hong Kong.

## **TRANSPORT FACILITIES**





The provision of transport facilities has always been prominent in SAHARA GROUP UK work. SAHARA GROUP UK is justifiably proud of its reputation in the design and construction of airports and ancillary facilities around the world, including Africa, the Middle East, Europe and Asia.

SAHARA GROUP UK is constantly applying innovative solution to intricate problems. It is this factor that has kept the company busy on a succession of highly specialized projects, from relatively modest road building to highly complex road, rail, bridge and tunneling operations, both in developing countries and in more sophisticated locations.

SAHARA Group's vast experience is demonstrated by the number and variety of Water industry and other related projects undertaken in Africa and Asia.

Our teams, equipped with a wealth of project specific skills, are always willing to discuss alterative commercial and technical approaches to add value to every stage of the process in finding the right solution for clients.

SAHARA Group's innovation in tunneling and tunnel segment design and production has provided many major benefits to sewerage, storm water and drinking water schemes, Environmental advice is provided to solver treatment, pollution, contamination and process problems.

Marine structures feature strongly in SAHARA GROUP UK S.A civil engineering capabilities these capabilities are founded on a unique understanding of material behavior under extreme conditions and proven experience in the evolution of project-specific concrete. New jetties, pro-facilities, harbors, dry docks and offshore structures have been constructed worldwide for the entire spectrum, from design to installation and commissioning.

This encompasses seabed sampling, construction, process, mechanical and electrical engineering, instrumentation and control. Our expertise is equally applied to existing marine and offshore structures. Our understanding of material deterioration has generated remediation and repair technology to prolong the life of port, jetties and marina.

During the early 2004's an entrepreneurial venture was embarked upon to redevelop the Alexandria sea side. This has resulted in one of the finest inner city regeneration. Programs so far this century.

Providing Hotel, Residential, Leisure, Office and retail facilities, the development is a testament to the forward looking philosophy of SAHARA GROUP UK S.A.

The key to SAHARA GROUP'S success within the industrial process sector has been its in-depth knowledge of the processes of particular industries. SAHARA GROUP'S broad, multi-disciplinary expertise enables us to provide design, engineering and construction services to a very wide rang of manufacturing and process industries throughout the world.

Over many years, projects have been successfully undertaken in sectors that include fine chemicals, pharmaceuticals, food manufacture and processing, electronics, paper, fiber optics, metallurgical and minerals processing.

Hazard and operability studies with reliability/availability analyses are undertaken for works where continuous operation is essential and the application of the often highly rigorous



international standards and codes of practice apply.

Cement plant, Egypt Suez ... a substantial extension to the Cairo Portland Cement plant in Egypt consisting of a 7.000TPD Cement line, twelve 75m high silos, a 94m high pre-heater tower, power station, sub-station and other major structures.

Granulated Sugar process Steam, Ghana under studies and construction.

SAHARA GROUP UK is a long established participant in opencast coal mining, oil and gas production, flue gas desulphurization technology and the design and installation of complex services. This experience and expertise is being applied to wide ranging activities such as the extraction and processing of minerals and semi-precious metals, worldwide.

SAHARA GROUP UK has also invested substantially in renewable and sustainable forms of energy generation. It has pioneered the design, manufacture, construction and operation of wind turbines, together with tidal, geothermal and biomass energy schemes.

SAHARA GROUP UK has been involved in the development and provision Power plant as well as designs and manufactures wind turbine generators for the commercial generation of electricity. This particular scheme at commas in red sea this is a typical example of the way in which the company is leading the field in the provision of alternative energy both at home and abroad.

SAHARA GROUP has long recognized its vital responsibilities for the environment. as well as at all other coal and mineral extraction sites, where the land is progressively restored to its former agricultural use.

## **PUBLIC WORKS AND BUILDINGS HOSPITAL/HEALTHCARE**

SAHARA GROUP UK has satisfied both governments and private clients over the years in health and Education sectors. In healthcare, the range of projects includes the provision of teaching and general Hospital, Health centers and public and private sector nursing homes, involving the creation of hundreds of bed spaces, operating theatres and laboratory facilities. This approach has earned us a number of "Considerate Contractor" with the government of Ghana.

SAHARA GROUP UK commissioned private Finance Initiative, the provision of new hospital facilities is being undertaken with international groups as a member of the construction,

maintenance and operation of non-clinical facilities.

## **EDUCATION**



IN Education, SAHARA GROUP UK has built or refurbished many schools, universities and learning establishments, frequently during the academic year when occupied. Numerous refurbishment works have instilled in us a total understanding of the need to minimize noise, dust and other intrusions during the course of construction. This approach has earned us a number of “Considerate Contractor” with the Government of GHANA.

With an unquestioned reputation for professional integrity and technical excellence, SAHARA GROUP UK has undertaken a vast workload within the varies ministry in GHANA to facilities the finance, build economical flats and housing, hospital all will be carried out by international groups in the timescales .

## **RETAIL AND LEISURE**



Retail clients form the backbone of SAHARA GROUP UK repeat order business, with many returning time and again for individual stores, town centre and out-of-town developments, as well as the provision of trail facilities within mixed use developments.

With the experience gained over many years of retail involvement, SAHARA GROUP UK has established an understanding of the specific requirements of our clients in this sector and tailor individual solutions exactly.

Driving down both construction time and costs, aided by the use of information technology, is a fundamental part of our process of continuous improvement.

Supermarket, Leisure parks, Shopping centre, Golf club, Sports Stadium, and Sports Centre.

## **INDUSTRY AND COMMERCE**



SAHARA GROUP UK S.A is preparing like to provide construction management, quality assurance and safety advisory services for the construction of this car component manufacturing and assembly facility at GHANA and similar services will be provided in EGYPT. An earlier commission for these valued clients involved the structural inspection of the buildings together with the provision of advice on their durability and maintenance. The constantly evolving requirements of industrial clients are served by the e multi-disciplinary skills of SAHARA GROUP UK S.A in the creation or re-engineering of entire production facilities.

In emerging countries, complete installations have been designed, constructed and commissioned to enable wealth to be created economic areas, incorporating state of the art technology, have been provided.

SAHARA GROUP UK S.A draws upon its extensive skill base, employing solutions value engineering techniques and design, research and testing facilities to ensure that their clients' exacting demands are matched by the appropriate to all stages of the design and construction process, which are applied to derive maximum added value from the outset of each project. Such projects have ranged from the construction of prestigious corporate headquarters building, industrial facilities, hotel and residential accommodation of all categories, to the sensitive renovation of historic buildings.

Given the need for commercial buildings to maximize their revenue earning potential, it is not unusual for such premises to remain occupied and operational during even the most complex refurbishment program.

The capability of SAHARA GROUP UK S.A teams in pre-planning such operations is well proven. Often using project modeling techniques, the works are approached in a logical, orderly sequence with the minimum of disruption during execution.

Equally, at the outset, the design can be interrogated in terms of the building's life cycle cost and any subsequent changes that may be required can be controlled within time and cost parameters.

## **RAILWAYS & TRANSIT SYSTEM AND MAGNETIC LEVITATION TRAINS RAPID**



The Railways & Mines Division developed from a core business centered on the manufacture and refurbishment of electric industrial and mining locomotives.

It is now a broadly engineering business possessing a wide range of skills with ISO 9001 Accreditation.

Today, our capabilities cover many makes of European and North American locomotives found above and below ground, including ALSTOM, ANF, EMD, English electric, GE, Goodman, Greenbat & Hunslet.

We continue to expand our customer and product bases, with increasing emphasis on the provision of services to the rapidly developing infrastructure and asset maintenance.

SAHARA GROUP UK promoted, financed and constructed the Star Light rail transit system (LRT) in Saudi Arabia, one of the largest privately – financed infrastructure projects in the world after Kuala Lumpur, Malaysia.

The successful conclusion of the project confirms SAHARA GROUP UK ability to develop, finance and manages major engineering projects with major international construction companies with Joint Venture and Representation Agreements this range from the supply of Locomotives, traction products and major components like compressors, to provision of management and services for asset maintenance.

## **MAGLEV TRANS-RAPID**



From a test model to the Train rapid was created in the Federal Republic of Germany which now takes a leading position in the world.

SAHARA GROUP UK promoted the Maglev Train rapid since 1987 with the Kingdom of Saudi Arabia and china and EGYPT because it is fast, more profitable, most friendly to the



environment.

The Train rapid is fast. It is faster than any other earth-bound traffic system. Its cruising speed of 310 MPH cuts traveling times in away only known from air traffic. But the Train rapid is not only fast, it is also safe and comfort turns every trip into a great experience. Smoothly it glides along, quietly, without any vibration. And safer than any other traffic system, because the Train rapid wraps around its guide way: it simply cannot derail.

The Maglev Train can thus largely dispense with expensive tunnels, cuts and earth fills. This is a great advantage both from the economical and ecological viewpoint.

The Train rapid is a traffic system in harmony with its environment. The driveway, normally resting on supports, needs little space and does not cut through texhaustgases, nor with other noxious matter. He landscape and naturally grown structures: above, the Tran rapid levitates, and below, life goes on.

Besides, the country is not polluted along the guide way, neither with exhaust gases, nor with other noxious matter.

SAHARA GROUP UK very pleased that CHINA successfully implements the Train rapid from the new airport to the capital.

Please note some of the projects above, we 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 one of the above projects. 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 by Saudi Arabia Railway Organization to be apart of one of the acceptable groups to finance, build and operate the rail link (Jeddah – Maca – Madina).

Furthermore, we are involved to refurbish the existing railway network in Ghana to modernize the total system, and the New Railway from Accra to Burkina Faso with the sovereign government guarantee from the government of Ghana.

We are in negotiations with the government of Burkina Faso to build a new line to connect the existing line with the new development of manganese mines; north of the country.

Our contractors are first class worldwide. We always take them with us wherever we go, because of the capability, know-how and the expertise as well as the experience.

We are happy to meet the minister and the technical people to discuss the new venture of refurbishment and the existing railways in Egypt, and construct new links to new cities. We would like to emphasis that most of the railway projects are not profitable, and takes very long time to cover the investment, so we propose to make such projects viable and financially

sound to include major construction projects such as new cities, commercial business area and office blocks and apartments.

We will be in a position to furnish the documents to support the above-mentioned projects.

## **FINANCING**



SAHARA GROUP UK S.A is financial advisors and consultants that provide a full, comprehensive, and up to date service with correspondents throughout the world. This permits SAHARA GROUP UK to offer a worldwide service to business, Government, and International Organizations.

SAHARA GROUP UK Facilities for the placement and underwriting of acceptable transactions for credit and indemnity guarantees in most major currencies for contracts in excess of ten Million U.S. Dollars.

Underwriting facilities as given below are arranged and can be provided for established companies, who have the technical expertise, management experience and financial resources to undertake their contractual obligations;

### **CREDIT GUARANTEES**

- \* Underwriting many classes of insurance, including principal Customer Default, Supplier Default, and joint Venture Partnership, which involve a debtor/creditor relationship between commercial or industrial enterprises.
- \* Specialize Surety Company underwriting for many forms of bonds, guarantees, and indemnities including performance and Advance payment Bonds, Annuity and Financial Bond Guarantee.
- \* Underwriting Deposit insurance relating to deposits with Banks, Assurance Companies and other Financial Institutions.
- \* Political and Country risk.

In addition to the above, we shall be pleased to review and advise on other forms and types of Credit and Indemnity Guarantees for which underwriting facilities are required.

### **PROJECT INSURANCES**

We are pleased to submit this brief introduction to SAHARA GROUP UK solutions.

This information provides an outline of the services that we are able to provide together with an overview of our experience on major construction projects which may be relevant to the

developments forming part of the projects in GHANA.

We also set out our comments on areas that we believe that we wish to consider in relation to the project insurances.

These initial thoughts are based on our knowledge of the project developed in different countries.

## **PROJECTS SERVICES**



SAHARA GROUP UK S.A and JLT offers a rang of risk management and insurance procurement services to project sponsors from the conception of the project through the financing, tendering, construction to the ultimate commissioning and operation of the facility. The most important area at the outset of project can be the strategic advice which we provide to the project sponsor on areas such as:

- \* Structure and design of insurance programmer required to secure support from financiers
- \* Advice on risk allocation between principal project participants
- \* Advice on risk insurability
- \* Budgetary advice on insurance castings
- \* Advice re insurance market capacity

## **PROJECT EXPERIENCE FOR JLT**

Our construction team has a breadth of experience ranging from construction of major infrastructure projects worldwide such as large power stations and metro systems as well as more conventional building projects. a list of some of this projects, shows our diversity. These projects are current and handled by the same team who will be handling any projects.

## **PROJECT INSURANCES**

Typically, a project such as Ghana railway projects will require the following minimum insurances, these will provide essential basic risk protection and can be arranged for the term of the project (i.e. they do not have to be renewed annually allowing for better budgetary calculations of insurance cost).

1. Construction All Risk (CAR).
2. Third Party Liability during Construction.
3. Marine cargo.
4. Delay in Start UP.

## **SPECIALIST ADDITIONAL INSURANCES TO BE CONSIDERED.**

- A) Sabotage and Terrorism.
- B) Efficacy and Force Major
- C) Project Professional Indemnity
- D) Gradual pollution.

- E) Placement structures
- F) Market Capacity
- G) Lenders
- H) Local Insurances
- I) Market Issues

### **OVERVIEW OF JLT**

Jar dine LLOYD THOMPSON GROUP plc was formed in 1997 through the merger of Jar dine Insurance Brokers, an international insurance broking group with over 80 offices worldwide, and LLOYD THOMPSON, the London based wholesale intermediary.

JLT is now ranked as the world's fifth largest broker operating from 100 offices in more than 30 countries worldwide and responsible for over £3 billion of client's premium annually.

JLT Risk Solutions consists of specialist divisions focusing on industry sectors such as construction.

The construction business unit was established in February 1988 to provide insurance and risk management services to the construction industry including Developers, Contractors, Consultants and Financiers. This unit is leading construction broker in the UK employing team in London of over 55 people dedicated to construction and engineering.

#### **The areas of expertise include:**

- \* International projects;
- \* Power projects;
- \* UK Contractors;
- \* PFI Projects;
- \* Financier's Due Diligence;
- \* Contingency Risks e.g. Liquidated Damages;
- \* Professional Indemnity.

Other areas of expertise in JLT Risk Solutions which we believe will be of interest in relation to the SAHARA Groups projects including:

#### **FINANCIAL RISK**



This business unit specializes in providing insurance protection in relation to political risk to both corporate entities and lenders.

#### **MARINE**

Specializing in insuring marine vessels and the cargo contained within them.

## **ACCIDENT AND HEALTH**

The unit can provide peace of mind for key personnel and families via kidnap& Ransom covers.

## **AVIATION**

Specializing in all types of aviation risks.

JLT has pioneered the use of Alternative Risk Transfer (ART) mechanisms to protect clients risk exposure.

ART involves the use of Capital Markets to provide risk protection as an alternative to conventional insurance market solution.

In addition to the above specialist areas JLT provides conventional property and casualty broking services to major corporate clients.

- **SAHARA UNIVERSAL POVERTY ERADICATION**

**Out of the 50 poorest countries of the world, 33 are situated on the African Sub-Saharan continent. Malnutrition, poverty, illiteracy, disastrous sanitary situation ... this continent is the first victim of the dividing inequalities in the world. This inequality can now be seen in South East Asia.**



SAHARA GROUP UK is unified to fight against poverty. SG throws out a big international call for solidarity because the flow is stagnating and the world ignores this dramatic situation.

This is why SG is engaged in the NUM CHAI (Good Heart) project en Thailand, and hopes to participate in similar projects in Africa in the near future.

## **SAHARA Universal Poverty Eradication**

### **Dear the Civilize World**

We are here now and every thing in such stats of poverty and very bad situations, do we need that? No we must work together helping our selves to eradicate and achieve the best to our motherland such as augment good food, forestry, clean water, hosing, and health car for every one and protect the environment



To sustain our survivor we must swagger and swear to help our brotherhood around the world plus turning the swamp land to be producing satisfactory food for every one a life that what I call survival in harmony and peace. To is proud of it.

We must ask our selves what we did today to Eradicate poverty that we are prouder and happy for it.

## **SAHARA HUMANITARIAN PROJECT**

### **" NUM CHAI"**

#### **NUM CHAI ( translates as KIND HEART)**

Humanitarian project was established in Thailand to reach the less fortunate in its CHARITABLE AND PHILANTHROPICE EFFORTS.

The vast majority of the people are poor and impoverised and in desperate need of support systems in almost every one of the world.

The why we must copy the projects everywhere.

#### **MAKE POVERTY HISTORY:-**

That was the challenge to the British Prime Minister in 2005 and group eight (world leader) from The United Nations.

Is a unique alliance of charities, trade unions, campaigning groups, faith communities and high-profile individuals who are mobilizing in 2005 to drive forward the struggle against poverty?

This year, the UK is host to the annual G8 gathering of the world's most powerful political leaders and holds the presidency of the European Union.

We believe you all know that world poverty is sustained not by chance or nature, but by human decision. Decisions made by leaders like all of you.

In this time, and in this generation, we must put an end to poverty forever. We will play our part and you must play our part as well as the group eight (G8) and the European Union Council of Ministers.

The stakes couldn't be higher. As all know, more than a billion people, one in five off the world's population, live on less than 65p a day. A child dies every three seconds from hunger and preventable disease. AIDS claims six lives a minute.



We must persuade and other G8 as well as European leaders that:

- \* It's time for trade justice: The European Union must fight to ensure that governments, particularly in poor countries, can choose the best solutions to end poverty and protect the environment; and export dumping that damages the livelihoods of poor communities around the world; and makes laws that stop big business profiting at the expense of people and planet,
- \* It's time to drop the debt: The unpayable debts of the world's poorest countries should be cancelled in full, by fair and transparent means.
- \* It's time for more and better aid.

Donors must now deliver at least \$50 billion more in aid per year and set a binding timetable for spending 0.7% of national income on Aid must also be made to work more effectively for poor people.

We see trade, debt and aid as inseparable parts of the whole.

A BREAKTHROUGH ON ONE OR EVEN TWO OF THE AREAS WILL NOT BE ENOUGH TO CONSIGN POVERTY TO THE HISTORY TO THE HISTORY BOOKS. SO WE WON'T ISSUES TO BE PICKED OFF.

Only progress on all three will deliver for the world's poorest people,

Changing the minds of some other leaders will not be easy to face millions of better. We are hereto making sure you live up to it.

Throughout 2005, we will be keeping up the pressure on you to take advantage of every single opportunity. As you head to Gleneagles, we will be watching to see that you don't falter. When you take over the presidency of the European Union, we will be there to hold you to account for Europe's role.

Over the following pages we will set out the areas where we demand change. We will show you, with examples and case studies, the ways in which the Governments are implicated in global poverty. We will show you what has happened on you watch, as well as pointing to issues where the Government deserves credit. We will also remind you of the many areas where the UK Government could use its influence to persuade others to deliver for the world's poorest people.