MINERALS METALS & MINING

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ABOUT US

WITH STATE OF THE ART EQUIPMENT AND VALUE ENGINEERING, WE OFFER OUR CLIENTS CREATIVE SOLUTIONS.

At Sarens, we have the noble mission to be the reference in crane rental services, heavy lifting At Sarens, we have the noble mission to be the reference in crane rental services, heavy lifting, and engineered transport for our clients. With state-of-the-art equipment and value engineering, we offer our clients creative and intelligent solutions to today's heavy lifting and engineered transport challenges.

We are able to offer our clients ready-made innovative solutions thanks to our subsidiaries around the world. With more than 100 entities over 60 locations operating without borders, we are the ideal partner for small-scale to mega-scale projects.

Safety and excellence in all we do are paramount to us. We strive continuously to establish a safe environment for our personnel, the client's employees and the equipment we operate and handle.

While we continue to build our future on the foundations of our rich past and successful methods, we ensure our clients that we will stay ahead of the game with innovative approaches for your heavy lifting and specialized engineered transport needs. We will keep breaking ground and secure that your projects are delivered in a safe, and cost-effective way, while making sure everything is on time.

Since the mid-2000s, Sarens has built a strong reputation in the minerals and mining industry. Today's large-scale metallurgical refineries are built by assembling process and pipe-rack modules, which are manufactured around the world on module yards and shipped by heavy cargo ships to the site location.

Sarens provides module handling and load-in services on the manufacturing yard, load-out and inland transport services, and heavy lifting and installation works on site. During project execution, Sarens provides on-site management, engineering and drawing capabilities, operators and installation teams, equipment maintenance, and spare-part logistics.

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OUR SERVICES

Sarens provides all types of services related to the minerals, metals and mining industry. We offer tailor-made engineering and on-site moves of shovels, draglines, gantries, and tunnel boring machines. We provide the assembly of complete stacker and reclaimer modules, sky shafts, and ship loaders.

All of our cranes can be transported to the module fabrication yard. Also we can supply the load-out and load-in of stackers and reclaimers in modules or complete. In case you need logistics assistance for shipping, Sarens experienced team will be available to help you in any way.

Our services are connected to a number of key benefits, which will be constructive for your project.

- Strong reputation in minerals and mining industry
- On-site management
- Engineering and drawing capabilities
- Seamless logistics service

When we start a project, we provide first-rate engineering capability with on-site transportation surveys and FEED (Front End Engineering Design) studies. This could impede any unexpected costs linked to the project. Our full service capability can cover off loads, transports, heavy rigging, assembly, relocations, and dismantling of equipment and machinery.

We provide turnkey services to operate equipment rental with a large range of cranes, this combined with special equipment and solutions to ensure minimum interaction with the end client existing operations. These cranes are well-prepared for environmental obstacles, so they can operate over levees and unstable terrain.

Finally, in all projects, we are committed to apply our SHEQ (Safety, Health, Environment, and Quality) policy. This policy is our guideline in every endeavour we undertake, thus keeping our severity rare the lowest in the market.

OUR EQUIPMENT

Sarens uses the following equipment for project execution:

- Skids
- Jacking systems
- Tower cranes
- Strand jacks
- SPMTs
- Hydraulic cranes
- Lattice boom cranes


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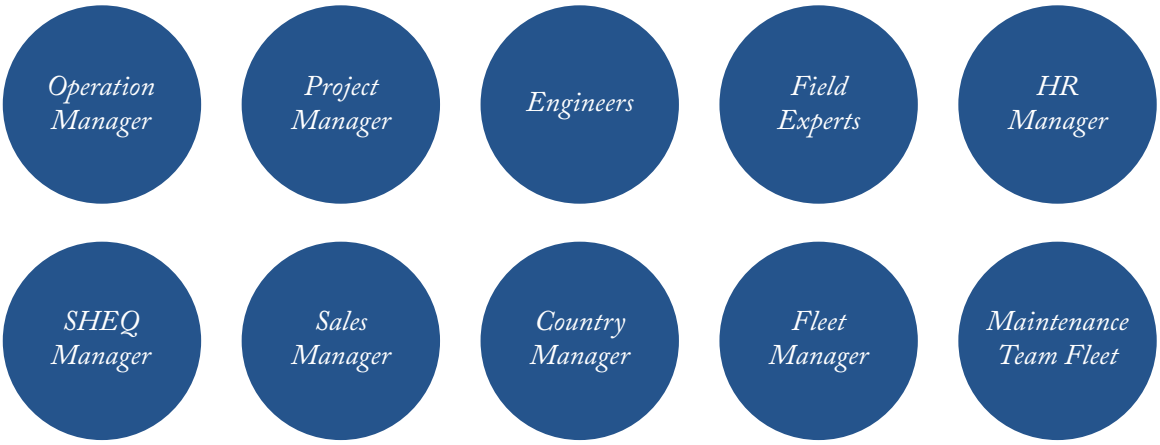
OUR PEOPLE

At Sarens, we play a key role in the civil market and support our clients in the most efficient way. We rely on our people to ensure every project is executed in a structured, safe, and efficient manner. We employ engineers, lawyers, finance experts, field personnel, safety and quality advisors, and sales consultants.



WHO DO WE EMPLOY

To secure a quality-service for our clients, our team consists of a variety of professionals. We have well-established hiring procedures that guarantees us qan arsenal of dynamic and qualified experts from all around the world.

WE IMPROVE OUR TALENT

Sarens also provides constant training to employees. In this way, all of our representatives are skilled to supply Sarens with the benefits of the latest methodologies in the field both on a back-office and an on-site level. We believe in continued education and, to that end, we have our own Learning Management System, and provide SWOT analyses in our Assessment and Development centre. Through the growing opportunities we provide, our employees work in a framework of constant improvement

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CASE STUDY I

KITIMAT MODERNIZATION PROJECT, KITIMAT (BC), CANADA

The Kitimat Modernization Project is a $3.3-billion project to expand the Kitimat Works aluminum smelter with state-of-the-art technology to achieve a leading-edge, highly efficient and world-class operation in British Columbia.

Sarens' scope of work on this project includes hauling and erection of modules and other over-dimensional items. Some of these modules were erected during the month of November 2013, the heaviest of which was 270T at a radius of 20m. These modules were received at ship side with (2x) 18 axle line SPMTs, transported to a laydown area and then moved to the LR1600 for installation. This is a project of great importance to the client and the greater Kitimat community.

CASE STUDY II

RING REPLACEMENT, VITORIA, BRAZIL

Sarens provided an A to Z solution for the removal of old rings and the installation of new rings at Arcelor Mittal's blast furnace in Brazil. Five old furnace rings, weighing 750T each, were first lifted with strand jacks, skidded out of the furnace building, then lifted with a gantry and finally lowered with the Sarens Multi Lifting Tower (SMLT) equipped with strand jacks. SPMTs transported the rings to temporary supports. The three new ring sections were installed using the same technique. The Sarens team executed all lifting operations working continuously in shifts 24/7, resulting in a significant advance delivery.

OUR PROJECTS

LOCATION: Jubail, Saudi Arabia
EQUIPMENT: LR1280, LR1300

In Saudi Arabia, Sarens successfully placed two large girders in the construction of a new tubular steel products factory. Both girders, 51m in length and weighing in excess of 200T, were transported to site and lifted into their final position utilizing a tandem-lift configuration.

LOCATION: Pilanesburg, South Africa
EQUIPMENT: CC2800-1, AC650, LTM140

Precautions were required to operate at heights of approximately 85m because of the close proximity to the Pilanesburg airport. Both headgears were pre-assembled (31 lifts) on the ground prior to being erected. The main headgear centre tower comprised of three distinct modules and the services shaft of four modules. The total weight of the two headgears amounts to an estimated 1.200T.

LOCATION: Orapa, Botswana
EQUIPMENT: 18 axle lines SPMT

Sarens in South Africa was requested by a leading diamond mining company in Botswana to relocate one of their Komatsu shovels over a distance of 35km. Sarens used 18 axle lines SPMTs of 3,6m wide to move the weight of 550T. Sarens in South Africa was able to save the client 2 months in production by utilising this transport solution. The move itself including travel, loading, and offloading was executed within nine days. This successful move resulted in talks for additional work and it is one of the first major initiatives in Botswana for Sarens.

LOCATION: Salt Lake City, Utah, United States of America
EQUIPMENT: 18 axle lines SPMTs, 2 PPUs, 610 beam support structure, grillage beams

Sarens transported two drive stations using SPMTs at one of the world's largest open-pit copper mines, near Salt Lake City, Utah. Each of the 286T drives travelled approximately 3 miles downhill on an 11% grade. A total of 18 axle lines of SPMTs were used in a 3 x 6 configuration with two power pack units (PPU) and a beam support structure.

LOCATION: Hunter Valley (NSW), Australia
EQUIPMENT: 54 axle lines SPMTs, hydraulic jacks

Sarens in Australia performed the relocation of a 1.250T shovel at one of the mine sites in Hunter Valley, New South Wales. The shovel had been transported over a bridge and slopes up to 8%. Load distribution on the bridge and creation of sufficient traction on the slopes were the key factors that made this transportation successful. A creative engineered set-up of hydraulic jacks was used to distribute the load of the shovel on our trailers. This project is another major reference for Sarens' mining operations in Australia.

KEY FACTS

SARENS IS THE RECOGNIZED WORLDWIDE LEADER IN HEAVY LIFTING AND ENGINEERED TRANSPORT.

With state of the art equipment and value engineering, Sarens offers its clients creative solutions to today's heavy lift and transport challenges. With offices in more than 65 countries and dedicated employees, we are well prepared to support your next project.

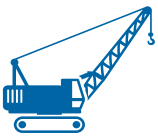
9 REGIONS

65 COUNTRIES

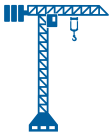
CRANES

GIANT CRANE

HYDRAULIC CRANES



LATTICE BOOM CRANES



HEAVY LIFTING TOWER CRANES

TRANSPORT

CONVENTIONAL TRAILERS

MODULAR TRAILERS

SPMTs

CUSTOMISED EQUIPMENT

SKIDDING

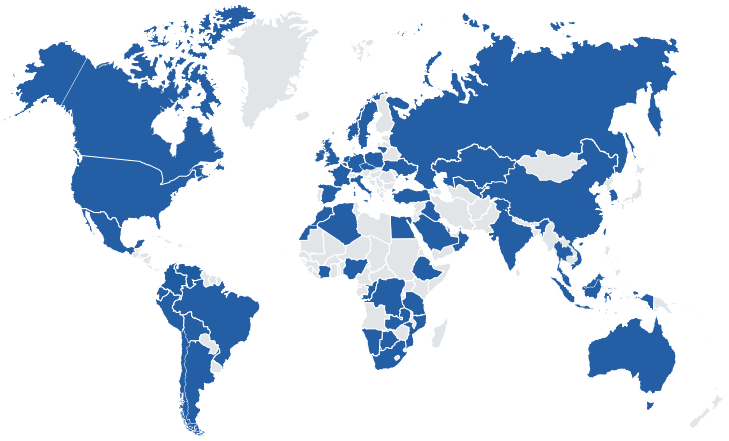
BARGES

GANTRIES

JACKING SYSTEMS

STRAND JACKS

GLOBAL PRESENCE



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