



JIMAJ ENERGY SERVICES

Providing Public Services to Pave
the Way Forward

REGISTERED OFFICE

8 Lake Chad Crescent, Maitama
Abuja, Nigeria

INTERNATIONAL OFFICE

8 Albany Street Edinburgh EH1 3QB
Scotland, United Kingdom

WEBSITE

www.jimaj.com
Email : info@jimaj.com



INTRODUCTION

Jimaj Energy Services posses Licence to produce a high-grade **Silica Sand**, **Feldspar** and **Tar Sand** with a consistent quality at all times. We have a team of trained staff to meet both our own and our clients' expectations of the industry as well as being completely trained in all aspects of health and safety.



FELDSPAR



SILICA SANDS



TAR SANDS

SILICA SANDS

Silica Sand used for water purification and manufacture of glass, synthetic foundry moulding catalysts, disodium ultramarine etc. It is also used for acid heat resistant ceramics, refractories, pottery glaze, enamel etc.

Silica Sand of 150 mesh is used in Sawing stone, grinding and surfacing glass and polishing marble Rounded Grains of Silica Sand are used for sand blasting it is also used as a filler in paints 'Wood Paste' moulded hard rubber goods, gypsum plasters, oxychloride acoustic plasters and soap.



Also known as silicon dioxide (SiO_2), it is the result of weathering and filtering of quartz minerals over time, which contributes to its durability and flexibility of use.



Our quality Silica Sand varies in colour from an orangey brown to a light gold and we have a variety of sands available, including sharp and equestrian.

It can be used in a process known as casting, where it is used as a mold for metals with a high melting temperature – almost three quarters of metal molding products are made using this casting technique.

Silica Sand is one of the most common varieties of sand found in the world. It is used for a wide range of applications. Sand is the general term for broken down granules of minerals or rocks, technically between about one-sixteenth of a millimeter to two millimeters in diameter, falling between silt and gravel in the spectrum of sizes. There are many varieties of sand in the world, each with their own unique composition and qualities.



Silica is another name for silicon dioxide, SiO_2 , of which quartz is a specific latticed structure. So silica sand is quartz that over the years, through the work of water and wind, has been broken down into tiny granules. These granules can be used for many different purposes, and can be found in most non-tropical.



PROJECT - 1 SILICA SANDS

Located in-
Irele 2 and Odigbo



Jimaj Energy Services is poised with the responsibility of establishing a sustainable project that will adopt internationally compliant standards towards boosting the production of Silica Sand.

Silica Sand is very useful in several ways, which include amongst others the modern applicability in electric cars, sand casting, glass making, food & pharmaceutical industries, proppant by oil & gas companies, functional filler for paints, plastics & rubber, water filtration & agriculture and industrial production of titanium & zirconium.

PROJECT -2 FELDSPAR

Located in-
Ondo State, Ikitipupa



Feldspar is highly valued commercially , because of its numerous uses.

Feldspar is regarded as the most abundant group of minerals which can be found on the earth's crust. It is a tectosilicate mineral and tectosilicate minerals constitute about 72-75% of the earth crust and are one out of many silicate minerals which are rock-forming minerals which also constitute about 85-90% of the earth crust. It has a colourless or pale-coloured crystals appearance and contains alumina silicates of potassium, sodium, and calcium. Feldspars are formed from magma as a crystallize veins in igneous and metamorphic rock, most feldspars are deposited as sodium feldspar, potassium feldspar and mixed feldspars.



Feldspar is found in different colors such as white, pink, brown, or gray. This mineral belongs to the hectorite group. In case of a pure mineral, each of the crystal has an uneven pattern, and are found grouped together. They are opaque and have a glassy luster.

Is used for their alkali content and alumina in industries. Used in production of floor tiles, shower basins and tableware.

Is used for ceramics and glassmaking such as glass for drinking, protection glass and fiberglass for insulation. It is sometimes used as a filler and extender in paint, plastics, and rubber.



PROJECT -3 TAR SANDS

Located in-
Irele 2, Odigbo and
Okitipupa



Tar sands (also referred to as oil sands) are a combination of clay, sand, water, and bitumen, a heavy black viscous oil. Tar sands can be mined and processed to extract the oil-rich bitumen, which is then refined into oil.

The bitumen in Tar Sands cannot be pumped from the ground in its natural state; instead tar sand deposits are mined, usually using strip mining or open pit techniques, or the oil is extracted by underground heating with additional upgrading.



Tar Sands Open Pit Mining, Alberta, Canada

Tar Sands are mined and processed to generate oil similar to oil pumped from conventional oil wells, but extracting oil from tar sands is more complex than conventional oil recovery.

Oil sands recovery processes include extraction and separation systems to separate the bitumen from the clay, sand, and water that make up the Tar Sands.

Bitumen also requires additional upgrading before it can be refined. Because it is so viscous (thick), it also requires dilution with lighter hydrocarbons to make it transportable by pipelines.



DIRECTORS



LAWRENCE AJAYI

Chief Executive Officer

Lawrence Ajayi is the CEO and Executive Chairman of the company. He has a long history of successes in the Nigerian Oil sector. He studied Petroleum Engineering at the University of Port-Harcourt and, also studied Business Administration (MBA) in London South Bank University. He is also a PhD holder in Ministry and Administration. He is a qualified Prince 2 Practitioner, widely experienced in business startup and 'Managing Successful Projects' and is NEBOSH 3 Certified in Health and Safety. He has over 20 years of working experience in oil and gas industry. Hesits as CEO and Executive Chairman of companies in the UK and in Nigeria, he is also the president of Immanuel foundation and PIJOYLAW institute in Scotland United Kingdom.



MRS BENNITA AJAYI

Executive Director

Mrs Bennita Funmilayo Ajayi, is the Executive Director of the company, she has a degree in public administration and has engaged in numerous secretarial studies, supervisory and managerial courses and worked as company secretary for over a decade before her appointment as director of the company and she currently sits on the board of several other companies both in Nigeria and Overseas. Mrs Ajayi is also the vice president of Immanuel Foundation, a global charitable organisation.



DAVID WINTER
Projects Director

David Winter is the Projects Director, an oil and gas professional with breadth of experience covering the whole spectrum of project development and control. David has a 34 year career based on engineering development of products, processes and systems across a range of industries, geographies and applications. His passion is project control and is pioneer of the Project Health Control (PHC) methodology that Jimaj uses at its core for project development and tracking.

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Mines and Steel
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www.minesandsteel.gov.ng



Federal Ministry of Power
www.pwh.gov.ng

NIGERIAN MINISTRIES



UNITED KINGDOM OFFICE

8 Albany Street Edinburgh EH1 3QB
Scotland, United Kingdom
P: +44 (0) 131 473 1100
E: info-uk@jimaj.com

WEST AFRICA OFFICE

8 Lake Chad Crescent, Maitama
Abuja, Nigeria
P: +2348160905762 +2348120582893
E: info@jimaj.com

REGISTERED OFFICE

8 Lake Chad Crescent, Maitama
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