Mr Jummha Khalifa Abdullah's life story reflects a deep-rooted family legacy of entrepreneurship. Influenced by his grandfather, a pioneering entrepreneur, and surrounded by stories of resilience and innovation, Mr. Jummha grew up with a strong sense of dedication and business acumen, inheriting a century-old family business tradition.

His early career was shaped by his father's contracting business, particularly through his key role in establishing the Center for the Study of Libyan Jihad in 1976 in Tripoli. This experience honed his skills in large-scale project management and community service. He later founded Al-Saraya Contracting and Real Estate Investment Company, marking a significant milestone in his career. This company was instrumental in undertaking various notable projects in the contracting sector, showcasing Mr Jummha's ability to lead and innovate in a competitive industry.

Roles on the boards of several prominent companies distinguish his career portfolio:

- **SHATI AL REMAL COMPAN**Y (Livestock and Meat)
- **AL-METLAWI COMPANY** (The Production of Alternative Energy)
- **AL-HILAL AL-MODI COMPANY** (Import of Foodstuffs)
- **ALHEDAB COMPANY** (Building Materials Industry)
- **AL HILAL AL MUDHI** (Oil Service Company)
- **TARIQ AL KHAIR** (Holding Company)
- **Al SARAYA Co** (Contracting and Property Investment)
- **AL-HEDAB BUILDING MATERIALS** (Company Office – Bahrain)
- **AL HEDAB BUILDING MATERIALS** (Sultanate of Oman)
- **MANUFACTURING**

Experience

Mr. Jummha academic involvement spans diverse projects, from restructuring the Libyan economy to practical initiatives like the project to establish the Nalut cement factory, improving national food security through poultry and cattle breeding, and exploring renewable energy sources. He's contributed to creating a prefabricated housing industry, aiming to produce 300 units daily, offering 4,000 jobs using local materials. His work in agriculture and animal husbandry, including projects on animal feed, grain production, and modern sheep breeding, along with his participation in economic forums and conferences, highlights his wide-ranging expertise.

Mr. Jummha's deep connection to Nalut is more than familial; it's a bond forged through years of understanding and appreciating the land and its potential. Recognizing the region's limestone reserves, he envisioned the Nalut Cement Factory not just as a business venture but as a catalyst for economic growth, job creation, and sustainable practices in the region. This vision represents a blend of entrepreneurial spirit and dedication to community development. Despite challenges in industrial development and aligning the project with environmental and social sustainability standards, Mr. Jummha's leadership has been pivotal in steering the Nalut Cement Factory towards success.

As he seeks funding to realize this vision, Mr. Jummha stands as a beacon of his family's enduring legacy and his commitment to creating a cornerstone for future growth and prosperity in Nalut and beyond. The Nalut Cement Factory, under his guidance, is poised to be more than an industrial establishment; it is set to become a symbol of innovation, community empowerment, and economic transformation.

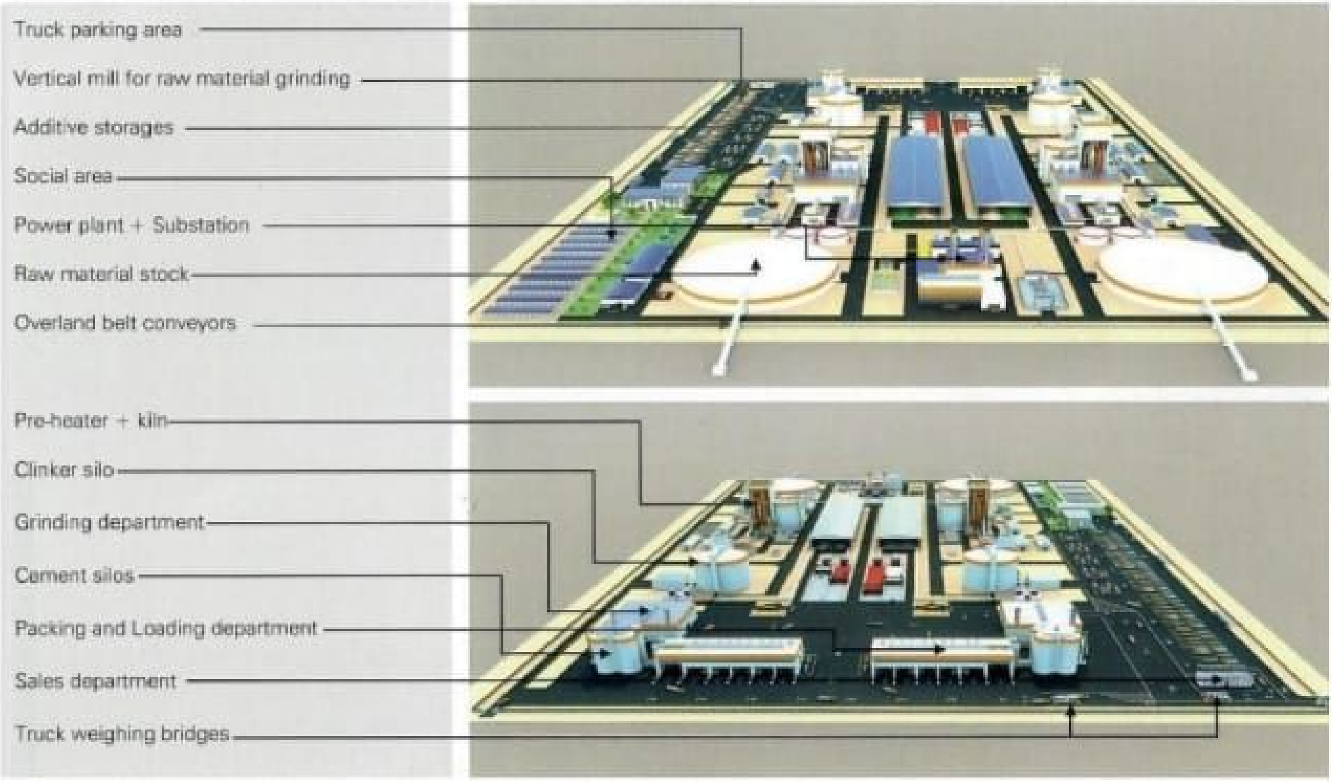
Executive Summary

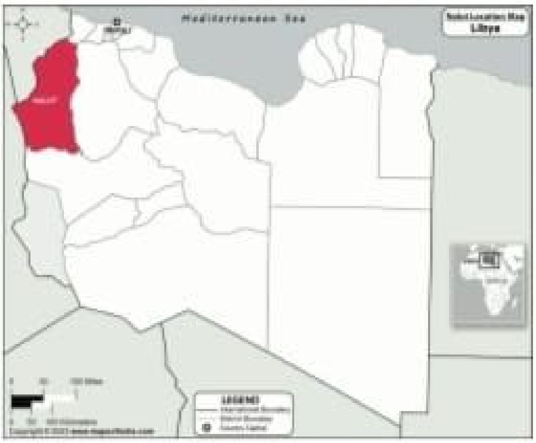
The NALUT CEMENT FACTORY PROJECT is a landmark initiative in the dynamic construction sector of Libya. This document offers a brief analysis of the project's feasibility, emphasising its potential impact on the market, financial outlook, and commitment to environmental and socio-cultural sustainability.

Located in north-western Libya, the Nalut Cement Factory is set to become a state-of-the-art production facility, capitalising on regional and global cement market growth. This venture is a testament to the project's vision of combining economic growth with sustainable practices.

Key Highlights

- **Project Scope and Vision:** Establishing a cutting-edge cement factory with a daily production capacity of 12,000 tons to serve both local and export markets.
- **Market Analysis:** The global cement market was valued at approximately USD 363.67 billion in 2022. This project would capitalise on this growing market.
- **Financial Overview:** Production cost is estimated at $19.65 euros per ton, with the project expected to reach its break-even point in Year 5. The global cement export price varies with North America averaging $120 per ton, Europe $160.00 per ton and Northeast Asia $50.00 per ton indicating a strong export potential.
- **Environmental and Cultural Commitment:** A focus on minimising the environmental footprint and integrating into the local cultural landscape in a respectful manner.
- **Risk Analysis and Mitigation:** Comprehensive strategies developed to address potential market volatility, operational challenges, and environmental risks.





The Nalut Cement Factory is not just a financial venture; it is a commitment to sustainable industrial development. By blending economic viability with environmental and socio-cultural responsibility, the project sets a new standard for the industry.

With its strategic location, robust market analysis, and a clear path to profitability, the NALUT CEMENT FACTORY PROJECT stands poised to make a substantial contribution to the Libyan economy. It is a beacon of sustainable and socially responsible industrial development, setting a benchmark for future projects in the region.

Project Overview

Strategic Location and Infrastructure

Located in north-western Libya, the Nalut Cement Factory benefits from its strategic position near the Tunisian border, in the resource-rich Nafusa Mountains. The proximity to key raw materials like limestone, clay, gypsum, and sand, essential for cement production, is a significant advantage. Nalut's diverse cultural backdrop and robust road network provide strong logistical and operational efficiencies. The factory, covering 3,000 hectares, is strategically placed for both resource accessibility and market reach.

Production Capacity and Technology

The factory is designed to produce 12,000 tons of cement daily across two state-of-the-art production lines, each with a capacity of 6,000 tons/day. Advanced German technology underpins the operation, ensuring high efficiency and superior quality standards. The project includes a 65MW power station and a Combined Cycle Power Plant (CCPP) for energy independence and surplus power generation.

Environmental and Community Focus

The project is planned with an eco-friendly approach, aiming to minimize its ecological impact. It promises significant local economic benefits, including the creation of approximately 2,500 direct and indirect job opportunities and fostering a thriving industrial ecosystem around the factory.

Market Strategy and Financial Outlook

With 60% of its production earmarked for export and 40% for local markets, the factory is strategically positioned to maximise market reach and profitability. The location's connectivity facilitates efficient export to local and international markets. Financially, the project is projected to achieve a break-even point in its 5th year, leveraging low production costs and high market demand.

Logistics and Transport

Nalut's advantageous location, 272 km from Tripoli and near the Wazen - Dehiba Libyan-Tunisian land border, offers vital transport links for both raw material supply and product distribution. Despite varying road conditions in Libya, the project includes plans for efficient transport, including highly attractive potential routes through Tunisia, to ports of departure.

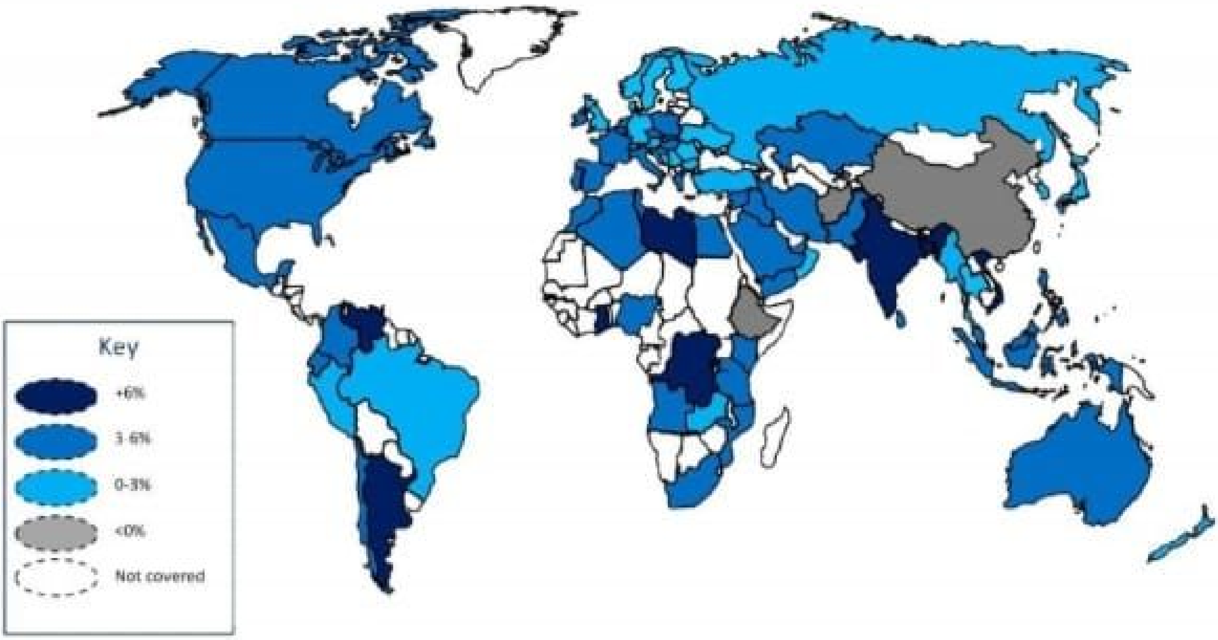
Market Analysis
Cement Globally and Locally

The global cement industry is poised for sustained growth, with projections of a 3.3% increase in 2023, leading to a market size of approximately US $354,058 billion. By 2027, it's expected to reach US $397,007.1 billion, marking a notable increase from US$342,870.6 billion in 2022. Sub-Saharan Africa mirrors this trend, anticipating a 3.3% growth in 2023 to US $38,454.1 billion, with a 3.2% CAGR through 2027.

Aligning with this upward trend, Libya has showcased its cement industry potential, particularly at the Libya Build 2023 exhibition in Tripoli. This event underscores Libya's growing prominence in the industry, attracting both local and international stakeholders.

The prospect of establishing a Greenfield cement factory in Libya, especially the Nalut Cement Factory, is promising. Extensive market research and feasibility studies underline the potential for significant returns on investment (ROI). Factors like the growing demand for cement in developing regions, Libya's economic growth potential, and its strategic location as a regional hub are key drivers.

Strategic Investment Opportunity in Libya's Nalut Cement Factory



The project benefits from collaborations with local and government entities, easing navigation through bureaucratic and legal landscapes. Incorporating green technologies, the project aligns with modern environmental standards.

Investing in the Nalut Cement Factory in Libya presents an attractive opportunity, leveraging the region's increasing demand and development initiatives. The project is strategically positioned to utilize local raw materials and human resources, supported by established infrastructure and logistic routes for operational efficiency. It has garnered significant community support, reflecting its positive local impact. The venture represents a chance to contribute to a pioneering industrial leap in the region.

Environmental Impact

The Nalut Cement Factory project in Libya is developed with a strong focus on environmental and cultural impacts. It adopts several measures to ensure ecological sustainability and respect for cultural norms:

- **Eco-Friendly Technology**: The factory utilises advanced environmentally friendly technology to minimise emissions and reduce its carbon footprint, comply with global environmental standards, and safeguard air and water quality.
- **Energy Efficiency:** A Combined Cycle Power Plant (CCPP) and a 65MW power station address the energy-intensive nature of cement production. This approach promotes energy independence and reduces dependence on non-renewable energy, lessening the environmental footprint.
- **Resource Management:** The project emphasises the strategic use of resources, especially in raw material sourcing. This includes minimising transportation emissions by leveraging proximity to raw materials and employing sustainable extraction practices in quarry management.

Cultural Impact

The project also recognises the importance of cultural integration and community engagement in the Nalut region, which is known for its rich cultural heritage.

- **Community Engagement:** The project has actively involved the local community, ensuring that the factory's development is in harmony with local interests. This engagement has been crucial in fostering community support and addressing any cultural concerns.
- **Economic Development:** By creating around 2,500 job opportunities, the factory will play a significant role in the economic upliftment of the local community. This not only supports the local economy but also respects and enhances the region's cultural fabric.
- **Cultural Sensitivity:** Efforts have been made to ensure that the factory's operations and presence do not disrupt the cultural and social dynamics of Nalut. The project team is committed to respecting the region's unique cultural heritage and traditions.

Global Cement Market

The cost of cement per ton varies significantly across different global markets. In 2022, the average cement export price increased by approx. 10% from the previous year. Similarly, the average cement import price increased by approx. 9.8% from the previous year.

In the European Cement market, there was an upward trend in prices during the first half of 2023. Italy, for example, observed an 11% year-on-year rise in cement prices as of June 2023. These figures illustrate the dynamic nature of cement pricing, which is influenced by a variety of factors including production costs, export-import dynamics, and regional economic conditions.

The project is expected to achieve a break-even point for the total Investments in the fifth year.

In conclusion, the project is profitable and encourages its implementation. It is expected that this factory will be the largest and most modern in the North African region.

Productions Costs

- The factory was designed from Germany using highly efficient technology.
- The quality of raw materials is excellent and in huge quantities available throughout the Nalut region.
- Water and natural gas are available along with the planned construction site of the factory.
- The natural gas needed to ignite furnaces and electric turbine generators is available locally at a very cheap cost
- Providing the necessary water supplies through the man-made river system and the wells to be drilled.
- The plan includes building a combined cycle power plant (CCPP), which makes the factory independent of the network and ensures continuity, with the possibility of selling any surplus energy to the state.