



## Investment Opportunity

### Establishment of a Medical Solutions Manufacturing Plant

#### Industrial Zone, Benghazi – State of Libya



### Project Overview

The **Ministry of Investment** is presenting a strategic investment opportunity for the establishment of an **integrated oil refinery** in Tobruk, with a refining capacity of **300,000 barrels per day (bpd)**. The project will utilize state-of-the-art **High Conversion Refining** technologies and smart operating systems, aiming to maximize the added value of Libyan crude oil, reduce operational costs, and boost investment returns.

The project focuses on leveraging advanced technologies in **energy integration**, **Artificial Intelligence (AI)**, and digital operations management to achieve **high operational efficiency**, eliminate waste, and increase net profit margins.





## Project Location

- **Location:** Tobruk – Eastern Libya
- **Activity Type:** Oil Refining and Petrochemical Industries
- **Project Nature:** Strategic, Integrated Megaproject
- **Target Markets:**
  - Domestic Libyan Market
  - North African Countries
  - European Markets
  - Eastern Mediterranean
  - Sub-Saharan African Markets

## Land Area Requirements

- **Total Area:** 4,000,000 – 5,000,000 m<sup>2</sup>
- **Industrial Operations Zone:** 2,000,000 – 2,500,000 m<sup>2</sup>
- **Storage, Export Facilities, and Future Expansions:** Remaining Area

## Project Components

- Atmospheric and Vacuum Distillation Units (CDU/VDU)
- Hydrocracking and Fluid Catalytic Cracking (FCC) Units
- Fuel Upgrading Units
- Flare Gas Recovery Systems (FGRS)





- Advanced Heat Integration Networks
- Cogeneration Power Plant (Power & Steam)
- Crude and Refined Product Storage Tanks
- Marine Shipping and Export Facilities
- Smart Control Systems (AI Process Optimization)
- Digital Twin Technology for the Refinery
- Advanced Quality Control Laboratories
- Administrative Facilities and Industrial Security

### Estimated Production Capacity

- **300,000 barrels** of crude oil per day
- **Annual Output:** Approximately **100 million barrels** of refined products
- Fuel production compliant with **Euro 5** specifications
- Future scalability for an integrated petrochemical complex





## Estimated Investment Cost

Item	Value (USD)
Infrastructure and Civil Works	1.0 – 1.5 Billion
Advanced Industrial Processing Units	6.0 – 7.0 Billion
Storage and Export Facilities	1.5 – 2.0 Billion
Smart Operating Systems and Power Generation	0.8 – 1.2 Billion
Pre-operating and Working Capital	1.0 – 1.5 Billion
<b>Total Investment</b>	<b>\$10.5 – \$12.0 Billion</b>

## Operational Efficiency Optimization (Core Competitive Advantage)

The project relies on advanced cost-reduction technologies, including:

- Heat integration networks that reduce energy consumption by **10% – 20%**
- **Cogeneration** systems for internal power and steam generation
- Flare gas recovery systems to minimize emissions and product loss
- Smart operations driven by **AI Optimization**
- **Predictive Maintenance** systems
- Advanced process automation to streamline the required operational workforce

**The Result:** Reducing operational costs from ~\$4.2/barrel down to \$2.8 – \$3.5/barrel





### Projected Financial Indicators (Optimized)

Indicator	Value
Gross Refining Margin ( <b>GRM</b> )	\$7 – \$11 / barrel
Annual Revenue	\$10 – \$15 Billion
Net Annual Profit	\$800 Million – \$1.6 Billion
Return on Investment ( <b>ROI</b> )	12% – 20%
Payback Period	6 – 8 Years

### Primary Products

- High-Octane Gasoline
- Diesel (**Euro 5**)
- Jet Fuel (Aviation Turbine Fuel)
- Liquefied Petroleum Gas (**LPG**)
- Industrial Naphtha
- Low-Sulfur Fuel Oil (LSFO)
- Bitumen / Asphalt
- Industrial Sulfur





## Competitive Advantages

- Strategic location on the Mediterranean Coast
- Direct proximity to European markets
- Immediate access to high-quality Libyan crude oil
- Potential to build a dedicated, state-of-the-art export port
- Drastically lower operating costs driven by smart technologies
- Future scalability into an integrated petrochemical complex

## Economic Impact of the Project

- Maximizing the value chain of Libyan crude oil
- Reducing raw crude oil exports in favor of high-value refined products
- Boosting industrial and manufacturing exports
- Creating thousands of sustainable job opportunities
- Transferring advanced technologies and knowledge to Libya
- Supporting the growth of the non-oil economy

## Job Creation

- **Direct Jobs:** 2,000 – 3,000
- **Indirect Jobs:** +10,000
- **Construction Phase Jobs:** 8,000 – 12,000





## Available Contractual Models

- Direct Investment
- Strategic Partnership
- Public-Private Partnership (**PPP**)
- **BOT / BOO** (Build-Operate-Transfer / Build-Own-Operate)
- International Energy Consortia
- Long-term Operation and Management (O&M) Contracts

## Investment Incentives

In accordance with **Investment Law No. 9 of 2010**:

- Full customs exemptions on equipment and machinery
- Tax exemptions designated for strategic megaprojects
- Streamlined procedures for land allocation
- Free repatriation of profits and capital
- Full government backing for projects of strategic national importance

## Feasibility and Engineering Studies

Comprehensive engineering and financial modeling services (**FEED + Financial Model**) are available through specialized global consultancy firms.





## Invitation to Invest

The **Ministry of Investment** extends an official invitation to international investors, major energy corporations, and global refining companies to participate in this strategic project. This initiative represents a pivotal opportunity to transform Libya into a leading regional hub for advanced refining and energy industries in the Mediterranean basin.

