

A detailed illustration of a modular refinery at night. The scene is filled with industrial structures, including tall distillation columns, storage tanks, and a complex network of pipes and walkways. The facility is illuminated by numerous warm yellow lights, creating a strong contrast with the dark, cloudy night sky. The overall style is that of a technical or industrial illustration.

Atlas Modular Refining

Why Partner With Us

Complete, turnkey crude oil refineries — engineered in Europe, financed through Export Credit Agencies, and delivered under a single performance guarantee.

SOVEREIGN-GRADE

TURNKEY DELIVERY

ECA FINANCING

Who We Are

We are not consultants. We are not a feasibility study provider. We are an execution-focused organization built to deliver complete refineries.

Atlas Modular Refining is a project developer — not a consultancy, not a feasibility study provider, and not a technology licensor operating at arm's length. We are an execution-focused organization built to deliver complete, operational crude oil refineries for clients who need domestic refining capacity built and financed under a single, accountable platform. We are in advanced discussions with sovereign and private parties across West Africa, the Middle East, and other regions for modular refinery projects. Our model is designed for execution and we are actively progressing these opportunities toward final agreements.

Our model is distinctive in the market because it consolidates every critical project element under one counterparty. European engineering firms handle process design, mechanical engineering, and procurement to international standards. Modular construction is executed off-site in controlled fabrication yards, where quality assurance is rigorous and schedule risk is significantly reduced compared to traditional stick-built approaches. Export Credit Agency financing is arranged in parallel, covering the majority of capital cost on long-tenor, low-interest terms. The result is a refinery that is designed, built, financed, and performance-guaranteed — with Atlas Modular Refining as the single point of accountability throughout the entire project lifecycle.

European Engineering

World-class process design and mechanical engineering to international standards, delivered by established European EPC partners with proven refinery track records.

Modular Construction

Pre-fabricated, quality-assured modules built off-site in controlled environments, reducing on-site construction time and minimizing schedule risk for the client.

ECA Financing

Export Credit Agency facilities arranged by Atlas, covering the majority of capital cost on favorable long-tenor, low-interest terms with construction grace periods.

Performance Guarantee

A single contractual counterparty responsible for the entire project — from initial design through commissioning — with binding performance guarantees on output and availability.

The Problem We Solve

Atlas Modular Refining solves this structural imbalance by bringing the refinery directly to the crude source or the demand center. The result is permanent domestic value capture from indigenous hydrocarbon resources.

Many oil-producing nations face a structural economic paradox: they export crude oil at market prices, only to import refined fuels — diesel, gasoline, and jet fuel — at a significant premium. This cycle creates a persistent drain on foreign exchange reserves, undermines energy security, and leaves national economies exposed to global refining margin volatility. The problem is not a lack of hydrocarbon resources. It is the absence of domestic refining capacity to convert those resources into finished products.

For landlocked regions and countries with limited port infrastructure, the challenge is compounded. Refined fuels must be trucked or railed over thousands of kilometers, inflating end-user prices and creating supply chains that are inherently vulnerable to disruption. Political instability in transit corridors, logistical bottlenecks, and seasonal access constraints can all trigger fuel shortages that cascade into broader economic disruption. The cost of inaction — measured in foreign exchange outflows, subsidy burdens, and lost industrial productivity — consistently exceeds the cost of establishing domestic refining capacity.

The Import Dependency Cycle

- Export crude at market price
- Import refined fuels at a premium
- Foreign exchange reserves depleted
- Energy security remains fragile
- Economy exposed to global margin volatility

The Compounding Factors

- Landlocked regions face extreme logistics costs
- Fuel transported thousands of kilometers
- Supply chains vulnerable to disruption
- Subsidy burdens strain national budgets
- No domestic value capture from crude resources

Our Solution: Full-Conversion Modular Refineries

✔ Zero Fuel Oil. Zero Sludge. Full Conversion Only.

Atlas Modular Refining delivers complete, full-conversion refineries that produce only clean, high-value products to Euro V specifications. Our plants are engineered to maximize the value extracted from every barrel of crude processed. There is no heavy fuel oil. No dirty sludge. No low-value residue. Every molecule is upgraded to its highest commercial value — whether for domestic consumption or regional export markets. This full-conversion approach is central to the economic case for our clients, as it eliminates the low-margin residue streams that undermine the profitability of simpler refinery configurations.

Plant capacity is fully flexible and calibrated to match each client's specific domestic demand profile and export ambitions. Whether the requirement is a smaller-scale facility serving a national market or a larger configuration designed to support regional fuel exports, our modular architecture scales without compromising engineering quality or operational efficiency. All configurations are built to the same European engineering standards and are eligible for the same ECA financing structures. Clients benefit from a solution that is tailored to their circumstances while retaining the quality, financing, and performance guarantees that define the Atlas model.



Ultra-Low Sulfur Diesel

Euro V specification diesel produced to the highest international quality standards, suitable for domestic distribution and regional export markets.



High-Octane Gasoline

Specification-grade motor gasoline meeting international fuel quality requirements, eliminating the need for costly imports.



Jet Fuel (Jet A-1)

Aviation turbine fuel produced to international specifications, supporting both civil and military aviation requirements.



Valuable By-Products

LPG, naphtha, and sulfur recovered and sold as commercial products — zero waste, maximum revenue from every barrel processed.

The Financing Advantage

We do not advise on financing. We arrange it.

Access to capital is the most common barrier to refinery project execution in emerging markets. Traditional project finance structures are complex, expensive, and often unavailable to sovereign or quasi-sovereign borrowers without established credit ratings. Atlas Modular Refining has solved this problem by integrating Export Credit Agency financing directly into our project delivery model. This is not an advisory service — we actively structure and arrange the financing facility as part of our standard engagement.

European Export Credit Agencies provide long-tenor, low-interest financing for the export of European goods and services — including engineered refinery equipment and construction services. Because the majority of project value flows through European contractors and suppliers, the financing facility covers the substantial majority of total capital cost. The remaining local equity contribution is minimal by industry standards. Repayment terms are structured to align with the refinery's operational cash flows, and a grace period during the construction phase ensures that debt service obligations do not begin until the facility is generating revenue.

85%

85% ECA Coverage

Typical proportion of total project capital cost covered by the Export Credit Agency facility, minimizing local equity requirements.

18+

18+ Year Tenor

Long-tenor repayment structures available, aligned with the operational life and cash flow profile of the refinery asset.

2-3

2-3 Year Grace

Construction grace period before debt service commences, ensuring repayment begins only once the refinery is operational and generating revenue.

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1 Local Counterparty

A single point of contact for the entire project — engineering, construction, financing, and performance guarantee — eliminating coordination risk.

i The financing structure is tailored to each client's sovereign or corporate profile. We work directly with European ECAs and their mandated banks to structure facilities that are both bankable and commercially attractive.

Delivery Model: Phased Turnkey Execution

Atlas Modular Refining delivers under a single lump-sum turnkey contract, providing clients with complete cost certainty and a clear accountability structure from day one. There are no open-ended engineering contracts, no separate procurement packages to manage, and no integration risk between multiple contractors. One contract. One counterparty. One performance guarantee. This model is specifically designed for clients who require predictable outcomes without the organizational burden of managing a complex, multi-contractor project environment.

The project is structured in two clearly defined phases. Phase 1 delivers the core crude distillation unit, tank farm, utilities, and loading infrastructure – enabling the client to begin processing crude and generating revenue within 18 to 24 months of contract award. Phase 2 adds the hydrotreater, coker, and sulfur recovery unit, completing the full-conversion refinery configuration within approximately 36 months. This phased approach allows clients to begin realizing returns on their investment while the complete facility is being brought online, improving overall project economics and reducing the period of negative cash flow.



✓ **First Revenue: Month 18–24**

📅 **Full Operations: Month 36**

Modular construction methodology is central to our ability to deliver on these timelines. By fabricating process units in controlled off-site environments, we significantly reduce on-site construction duration and minimize the exposure to local labor constraints, weather delays, and logistical challenges. Modules are transported to site and assembled with precision, ensuring that quality standards are maintained throughout the construction process. The result is a faster, more predictable path from contract award to first oil – with performance guarantees that cover both output quality and plant availability.

Why Atlas Modular Refining

The most compelling reason to partner with Atlas Modular Refining is that our model is built for execution, not theory. We are in advanced discussions with sovereign and private parties across West Africa, the Middle East, and other regions for modular refinery projects. Our model is designed for execution and we are actively progressing these opportunities toward final agreements. Each opportunity is progressed under our integrated platform of European engineering, modular construction, and ECA financing.

The projects we deliver are structurally profitable. A full-conversion refinery producing Euro V specification products from domestically sourced crude generates strong margins in virtually any market configuration. For clients with export capacity, regional fuel markets across Africa, South Asia, and Latin America offer an additional, highly attractive revenue stream. The combination of domestic import substitution and regional export potential creates a compelling economic case that supports both the debt service obligations and the long-term value of the asset.

Advanced-Stage Pipeline

Advanced discussions with sovereign and private parties across West Africa, the Middle East, and other regions.

European Engineering Quality

Process design, mechanical engineering, and procurement executed to international standards by established European EPC partners.

Integrated Financing

ECA facility arranged by Atlas, covering the majority of capital cost — we bring the capital, not just the technology.

Flexible, Scalable Design

Modular architecture scales from small domestic configurations to larger export-oriented facilities without compromising quality or financing eligibility.

Single-Point Accountability

One contract, one counterparty, one performance guarantee — no integration risk, no coordination burden for the client.

Next Steps

We invite you to begin a confidential exploratory conversation with the Atlas Modular Refining team. Our engagement process is designed to be efficient, discreet, and tailored to your specific circumstances. Upon execution of a mutual non-disclosure agreement, we will prepare a customized proposal based on your crude assay data, desired plant capacity, site location, and strategic objectives. This proposal will outline the technical configuration, financing structure, delivery timeline, and commercial terms relevant to your project — providing a clear foundation for informed decision-making at the senior level.

From concept to first oil, Atlas Modular Refining is with you for the full journey. Our team manages every phase of the project — feasibility validation, front-end engineering design, financing arrangement, modular fabrication, site construction, commissioning, and performance testing. You will have a dedicated project team and a single point of contact throughout, ensuring that communication is clear, decisions are made efficiently, and the project stays on schedule and on budget. We understand that refinery projects are among the most significant capital commitments a nation or corporation can make, and we treat each engagement with the rigor and accountability that such commitments demand.

What We Need From You

To prepare a meaningful proposal, we require the following information:

- Crude assay data (API gravity, sulfur content, distillation curve)
- Target plant capacity and product slate preferences
- Site location and available infrastructure
- Domestic demand profile and export ambitions
- Preferred project structure and timeline

📄 All discussions are strictly confidential. We are prepared to move quickly once aligned on strategic fit.

Our Engagement Process

1. Confidential introductory conversation
2. Execution of mutual NDA
3. Submission of crude assay and site data
4. Tailored technical and commercial proposal
5. Structured project development agreement
6. From concept to first oil — full delivery

If reducing fuel import dependency and establishing domestic refining capacity are strategic priorities, Atlas Modular Refining is ready to deliver. We bring the engineering. We bring the financing. We bring the track record.

Atlas Modular Refining

Turnkey modular crude oil refineries. European engineering. ECA financing arranged by us.

CONTACT

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Atlas Modular Refining is led by Hussain Habib and supported by a network of European engineering partners and Export Credit Agency relationships.

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