

شركة أمواج الصحراء
للخدمات النفطية



Engineering Reliability in Complex Energy Environments

Comprehensive capabilities and integrated solutions
for the North African oil, gas, and energy sectors.

The Demands of the Libyan Energy Sector Require Flawless Execution



Logistical Friction

Vast desert terrains and remote offshore installations demand resilient, unbroken supply chains.



Infrastructure Life-Extension

Aging assets require sophisticated maintenance and immediate rehabilitation to maintain output.



Risk & Compliance

Heightened environmental sensitivity and stringent international safety standards dictate zero-margin-for-error operations.

Amwaj Al-Sahra provides a unified, end-to-end service ecosystem—eliminating multi-vendor friction, maximizing operational uptime, and ensuring strict adherence to international quality and safety benchmarks.

Our Operational DNA:

Innovation, Safety, and Efficiency



Vision

To be the definitive leader in oil and energy services across Libya and North Africa, driven by continuous innovation, uncompromising safety, and unmatched operational efficiency.



Mission

To deliver advanced, integrated solutions that sustain production, optimize operational lifecycles, and strictly adhere to the highest global standards of Quality, Health, Safety, and Environment (QHSE).



Quality Commitment

Unwavering dedication to international best practices. Every project is executed with precision to guarantee high efficiency, long-term reliability, and total client satisfaction.

The Foundational Pillar: Uncompromising HSE and Corporate Values

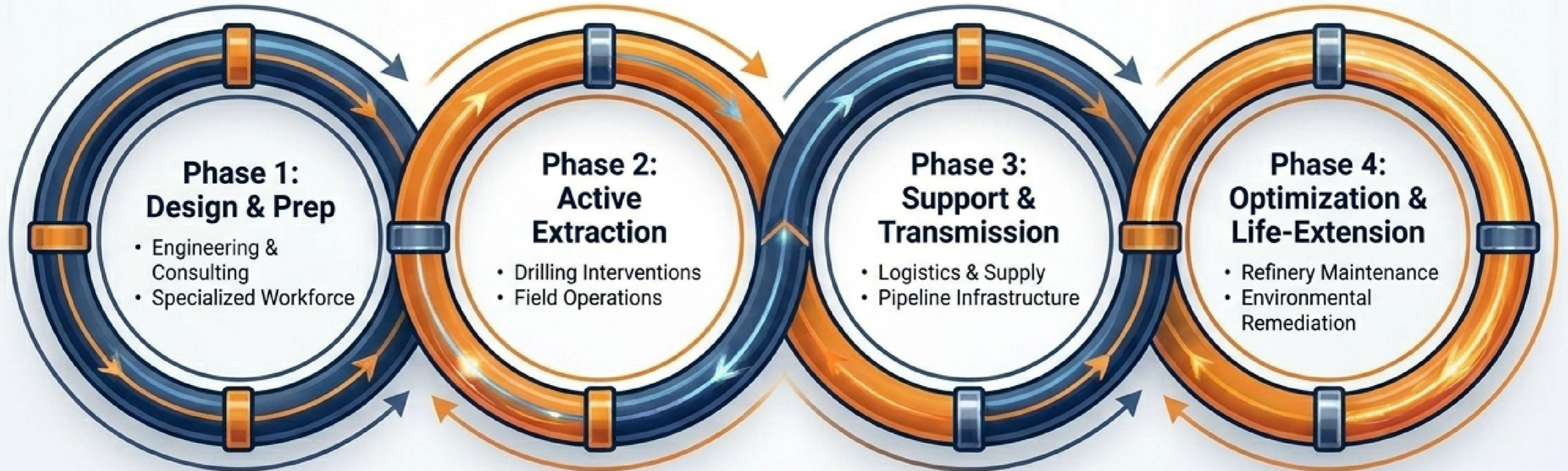


	Quality & Professionalism
	Safety First
	Integrity
	Development
	Punctuality
	Long-Term Partnerships

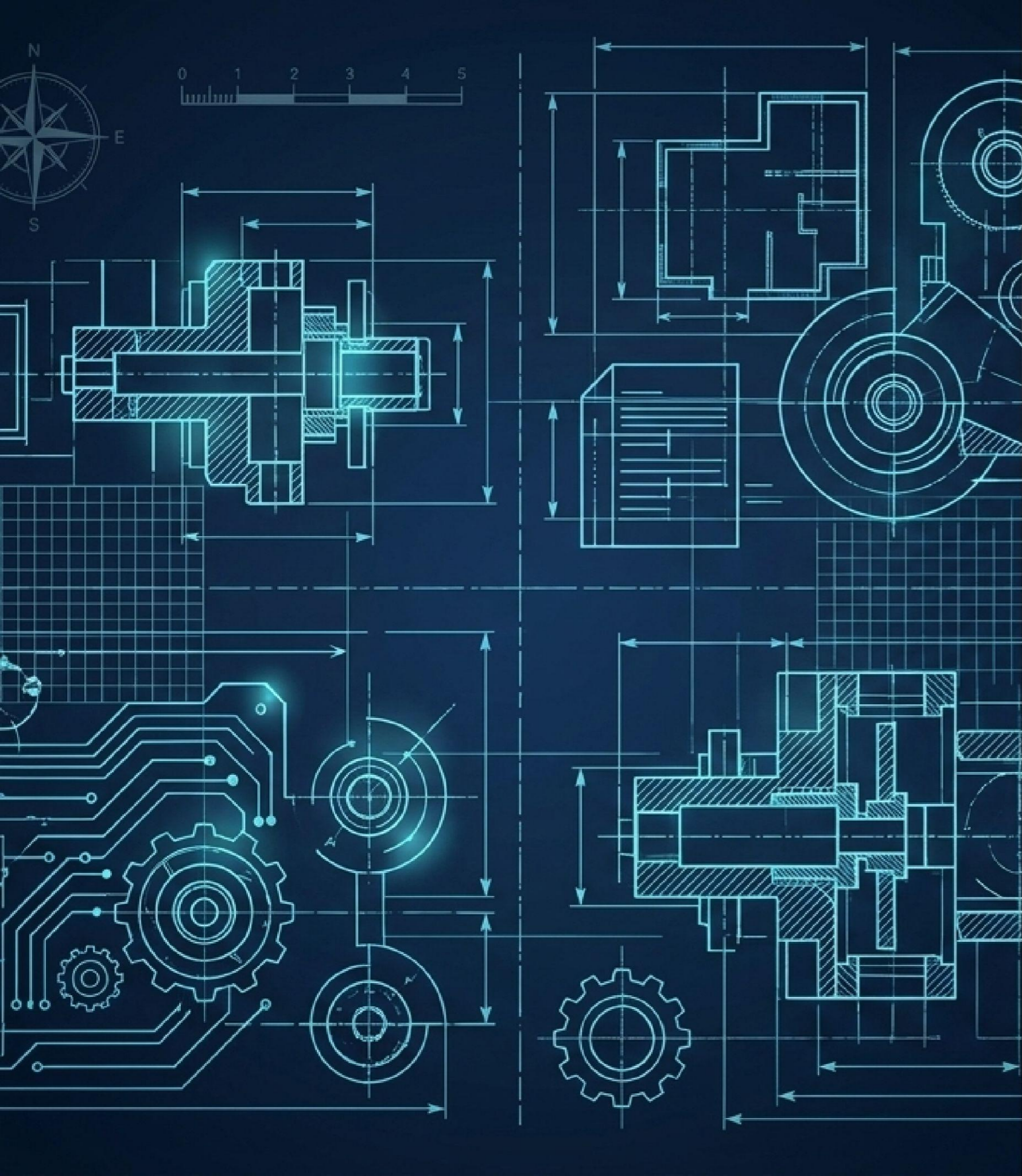
The Integration Advantage: Eliminating Silos in Oilfield Services

	Traditional Siloed Approach	Amwaj Integrated Model
Supply Chain & Logistics	✘ Fragmented vendors, high friction, delayed transport.	✔ Single-point coordination, seamless hub-and-spoke logistics.
Accountability	✘ Disputed responsibilities between contractors.	✔ Total project ownership and unified reporting.
Speed of Execution	✘ Phased delays waiting on sequential contractor handoffs.	✔ Overlapping capabilities allow rapid, parallel execution.
HSE Standardization	✘ Varying safety cultures and conflicting compliance standards.	✔ Unified, rigid safety protocol applied across every phase.

The Amwaj Al-Sahra Service Ecosystem



Providing targeted expertise at every node of the energy lifecycle, ensuring uninterrupted asset performance.



Phase 1: Precision Engineering and Consulting

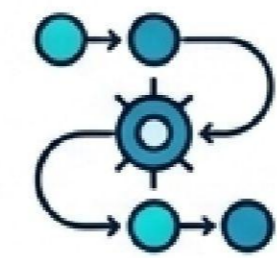
Providing the technical architecture and rigorous feasibility analysis required before physical mobilization.



Comprehensive Technical and Engineering Studies



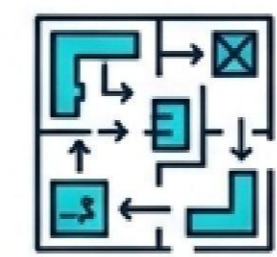
Advanced Engineering Design for Oil Projects



End-to-End Project Management



Rigorous Field and Technical Supervision



Industrial Layout Preparation and Schematic Design



Feasibility and Strategic Development Studies



Phase 2: Drilling Support and Well Intervention

Maximizing wellbore integrity and output through advanced stimulation and maintenance techniques.



Onshore and
Offshore Drilling
Support



Comprehensive
Well Maintenance
and Rehabilitation



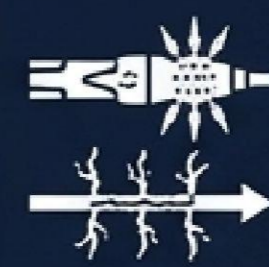
Specialized Oil
Cementing
Services



Advanced Drilling
Fluids
Management



Precision Well
Testing and
Evaluation



Production
Stimulation and
Enhancement
Services

Phase 3: Field Operations and Yield Optimization

Comprehensive management of both greenfield and brownfield assets to extend lifespans and aggressively improve production rates.



Development of Greenfield Oil Sites



Strategic Rehabilitation of Existing Brownfields



Production Rate Enhancement and Optimization



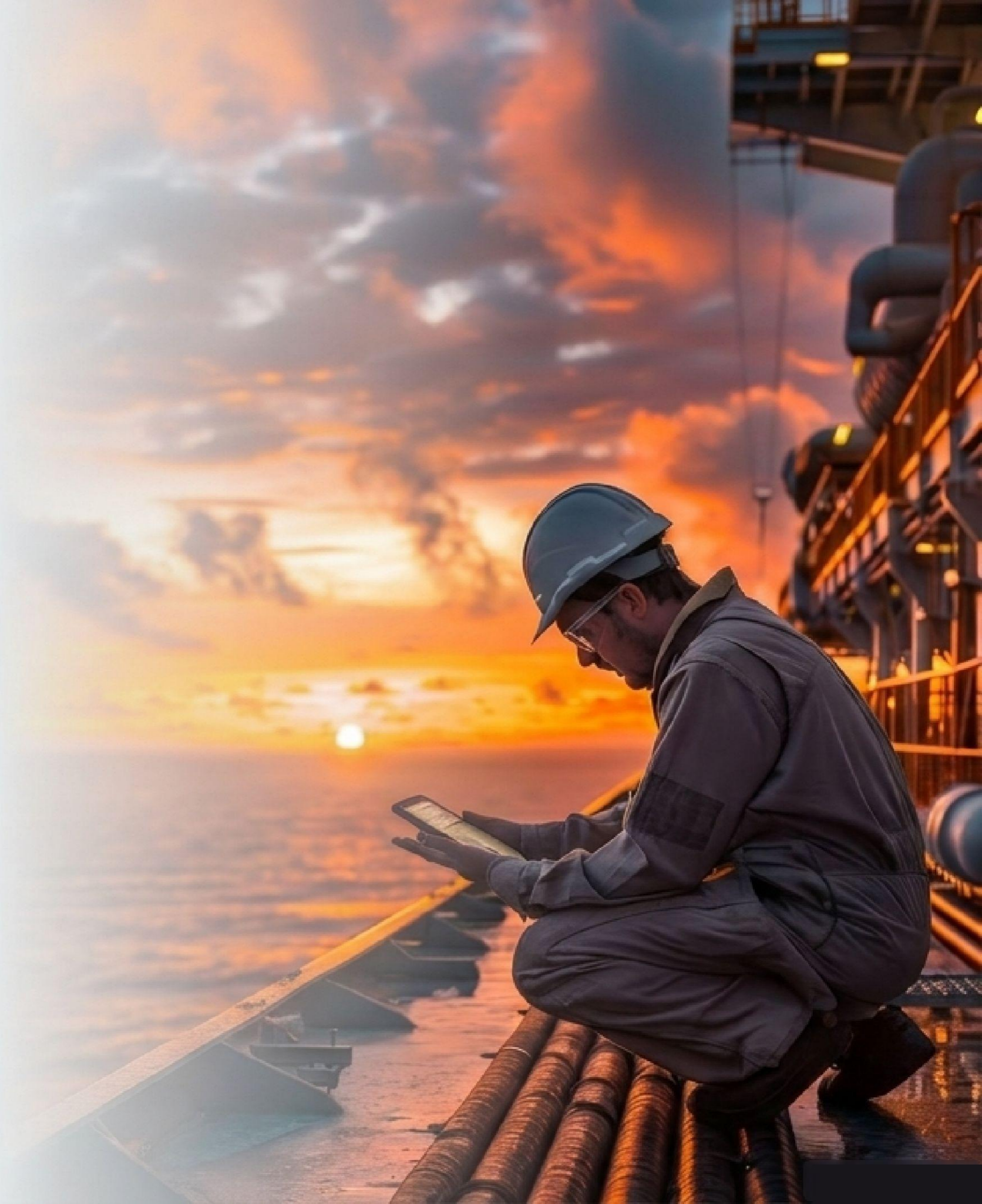
Full-Scale Site Management and Operation



Production Efficiency and Supply Solutions

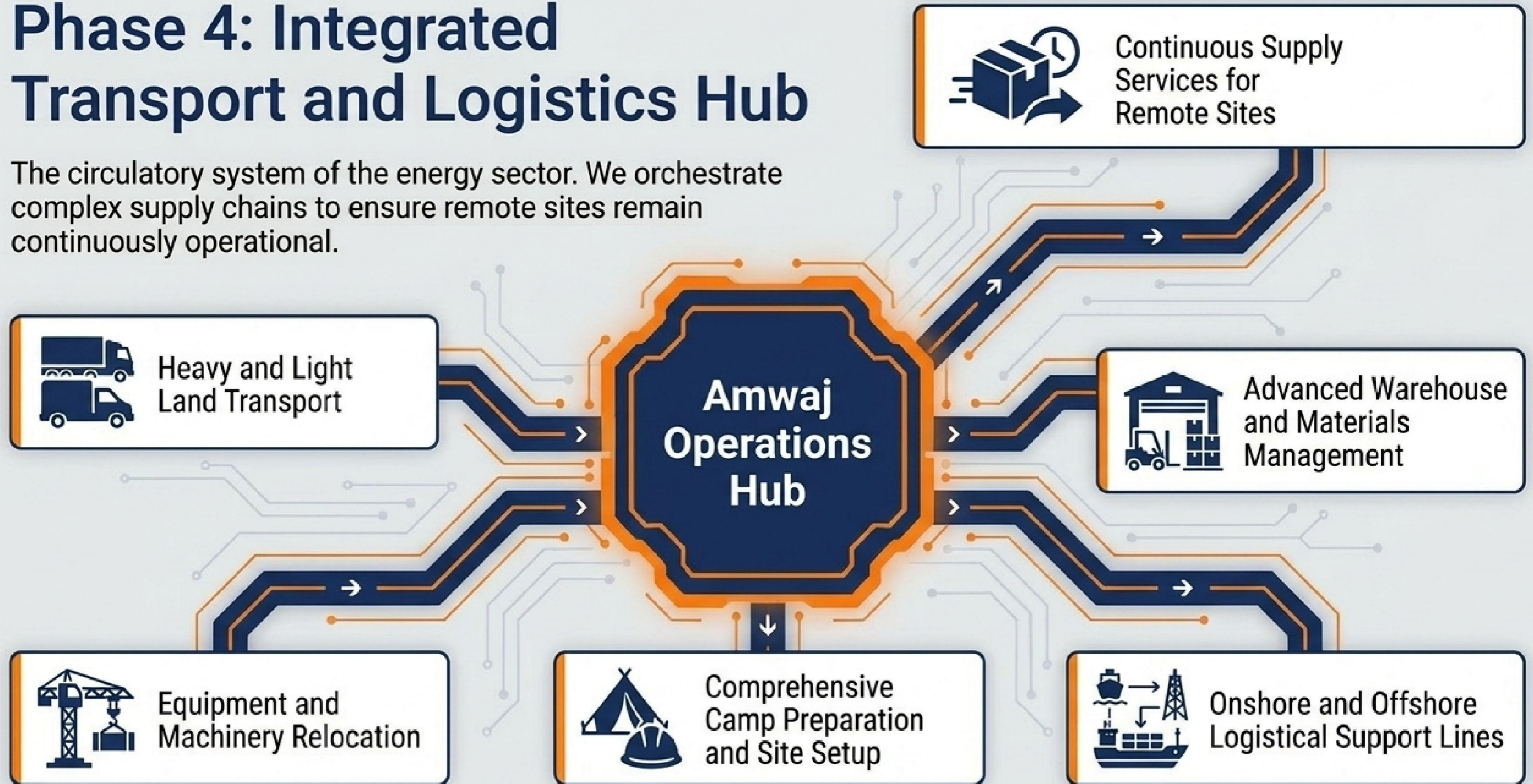


Continuous Technical and Engineering Monitoring



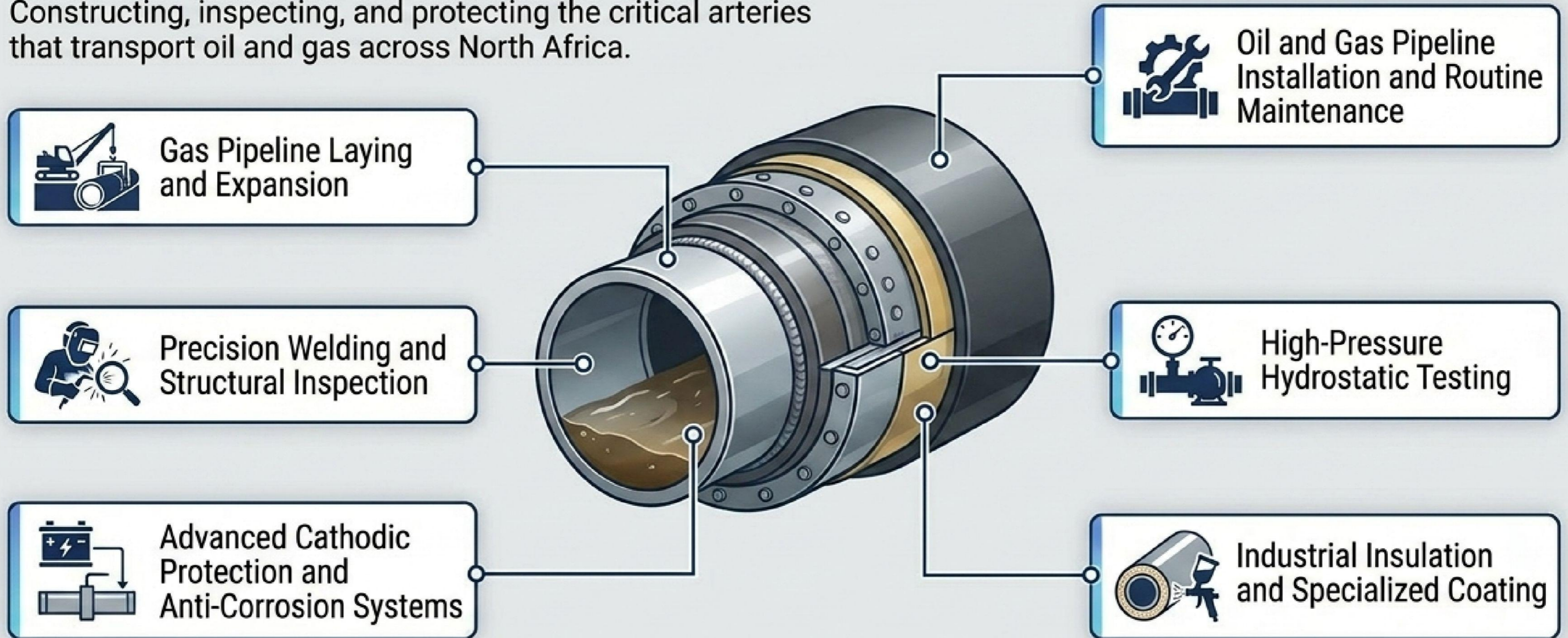
Phase 4: Integrated Transport and Logistics Hub

The circulatory system of the energy sector. We orchestrate complex supply chains to ensure remote sites remain continuously operational.



Phase 5: Pipeline Networks and Vital Infrastructure

Constructing, inspecting, and protecting the critical arteries that transport oil and gas across North Africa.



Phase 6: Refinery Overhauls and Industrial Maintenance

Minimizing downtime and ensuring the integrity of downstream processing facilities through preventative and corrective maintenance.



Phase 7: Environmental Remediation and Spill Response

Active stewardship of the energy landscape, deploying advanced solutions to mitigate ecological impact and restore affected territories.

Process Flow



Phase 8: Strategic Workforce Deployment

Supplying the highly qualified technical and administrative cadres that drive the energy sector forward.



Specialized Engineers and Technicians



Heavy Equipment Operators



Dedicated Maintenance and Turnaround Teams



Certified Occupational Safety (HSE) Professionals

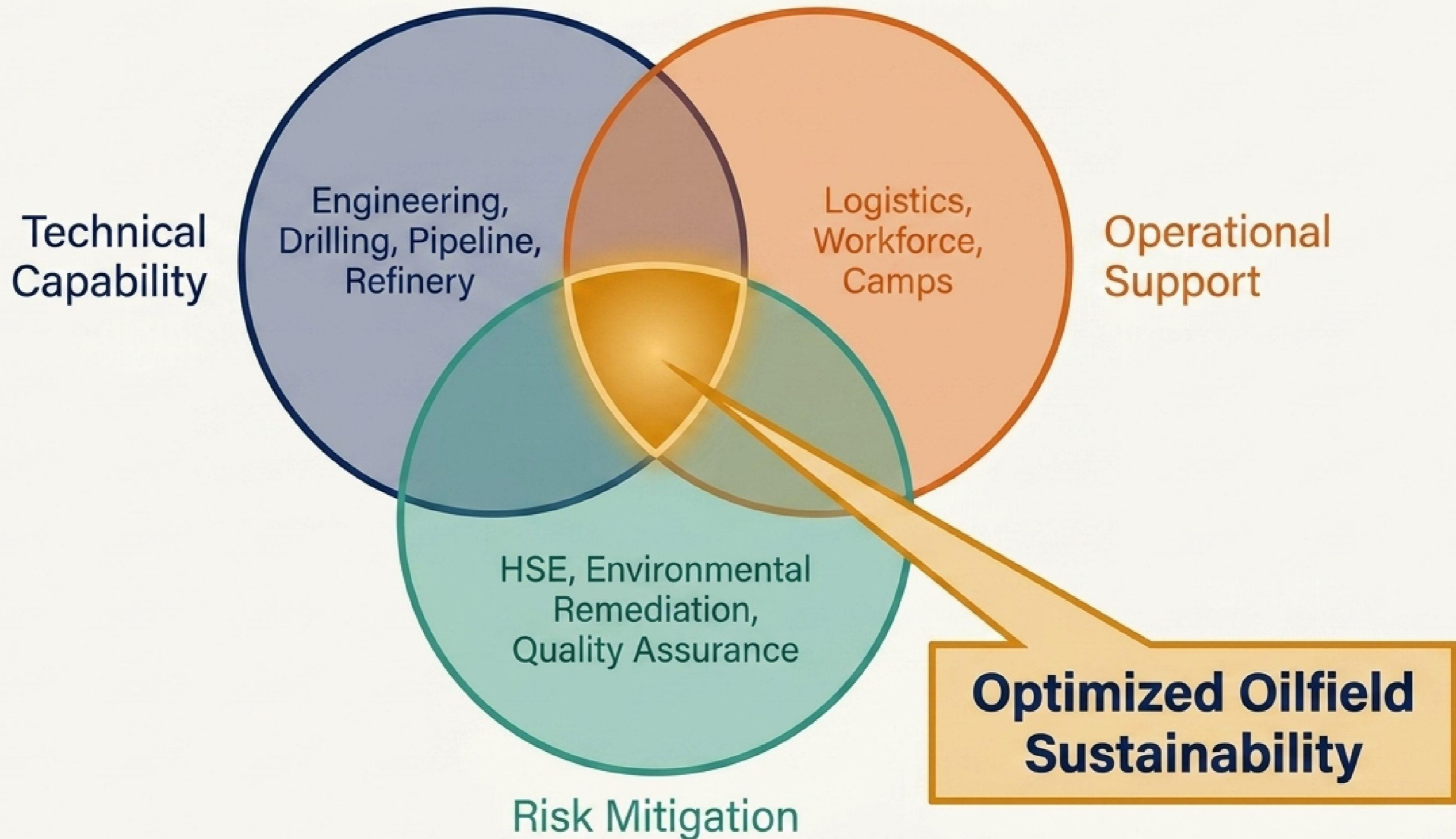


General Field and Project Labor



Comprehensive Training and Qualification Services

The Amwaj Al-Sahra Execution Engine



Enduring Partnerships Across the Energy Ecosystem



**Local and
International Oil &
Gas Operators**



**Downstream
Refineries and
Processing
Plants**



**Large-Scale
Infrastructure and
Power
Companies**



**Onshore and
Offshore Drilling
Consortia**

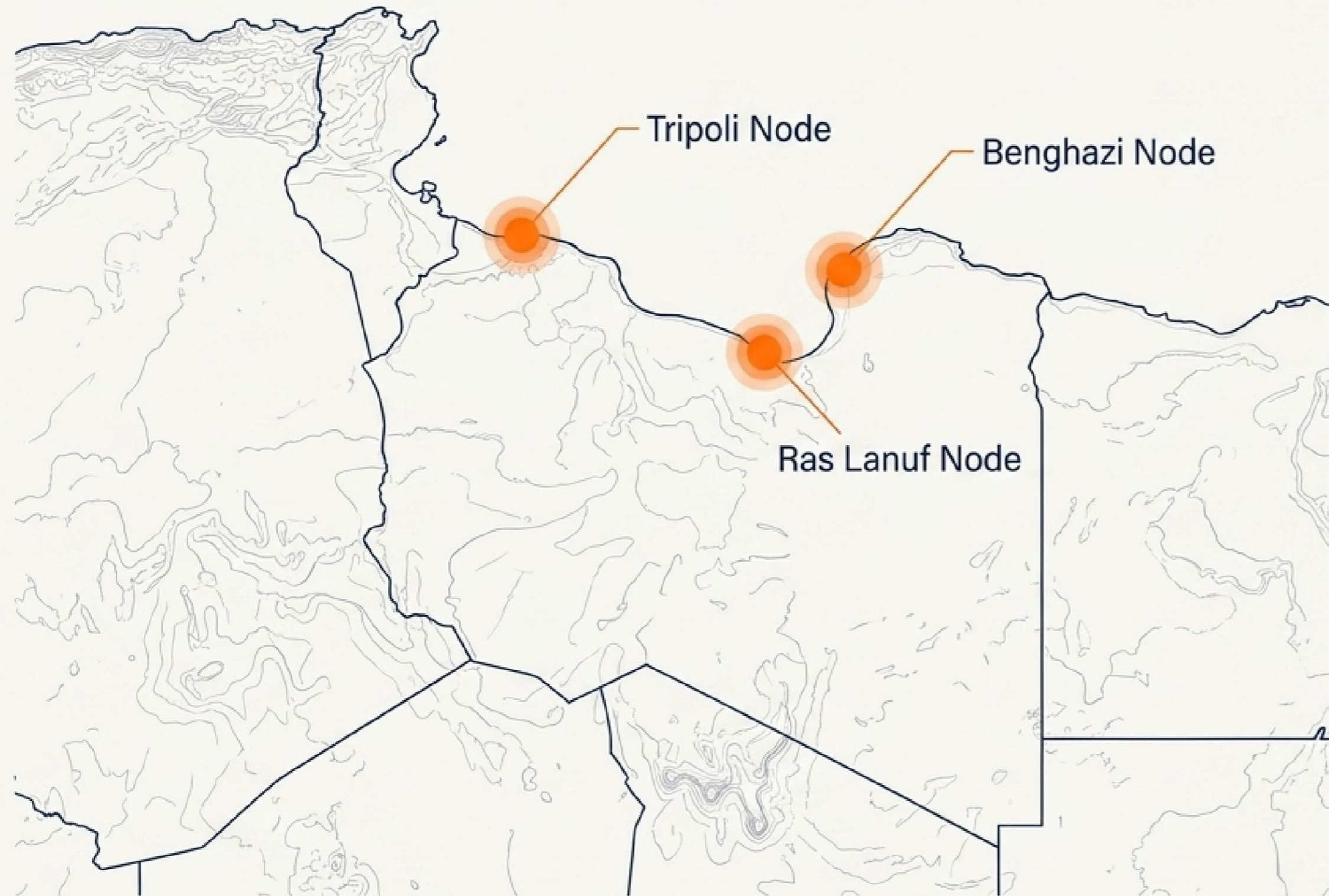


**Heavy Industrial
Contracting Firms**



**Government Entities
and National
Petroleum
Institutions**

Strategic Operational Footprint



Strategic Coverage

- Tripoli: Corporate Command & Western Operations.
- Benghazi: Eastern Command & Logistics Hub.
- Ras Lanuf: Central 'Oil Crescent' Industrial Support.

This tri-node setup ensures rapid logistical response times to any onshore or offshore facility in the region.

Strategic Commitments and Future Horizons

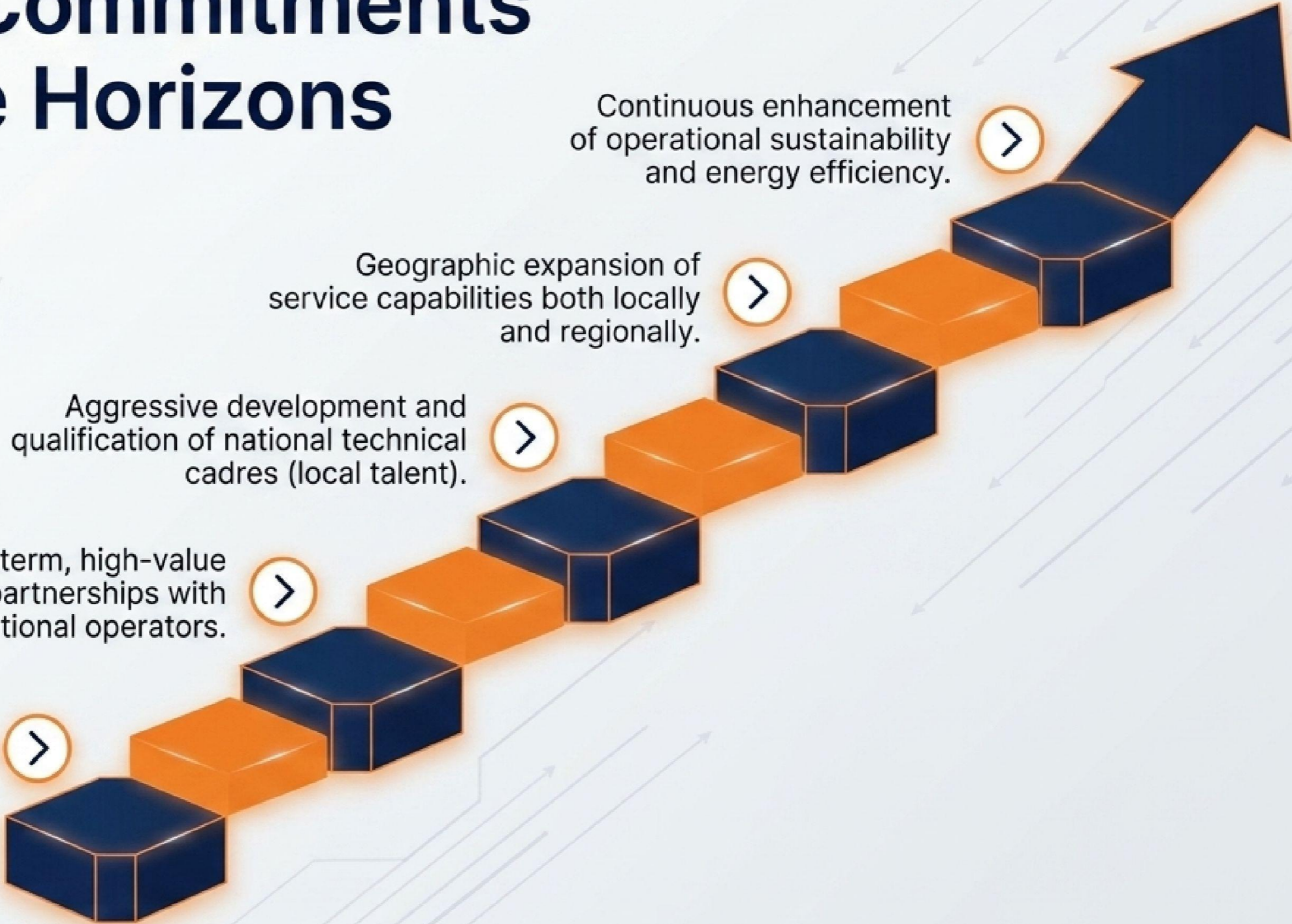
Unwavering support for the revitalization of the Libyan Oil and Gas sector.

Forging long-term, high-value strategic partnerships with international operators.

Aggressive development and qualification of national technical cadres (local talent).

Geographic expansion of service capabilities both locally and regionally.

Continuous enhancement of operational sustainability and energy efficiency.



The background features a dark blue grid pattern with a perspective effect. On the left, there is a line-art illustration of an industrial distillation column with various pipes, valves, and a scale. On the right, there is a line-art illustration of a crane with a hook. The central text is contained within a white rounded rectangle.

Architecting Turnkey Industrial Ecosystems

Delivering tier-one engineering, fabrication,
and execution through a synchronized
global partnership network.

Trusted by the region's largest energy producers



Serving operators across North Africa, including the National Oil Corporation, Sirte Oil Company, Waha Oil Company, Brega Petroleum Marketing Co., Harouge Oil Operations, Ras Lanuf Oil & Gas Processing Co., and Zueitina Oil Company.

A localized presence powered by a global technical footprint



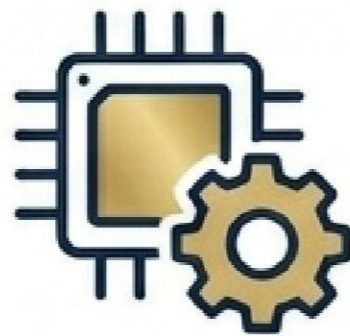
We orchestrate a gap-free ecosystem of specialized global partners, bringing world-class capabilities directly to regional project sites.

The continuous loop of project execution



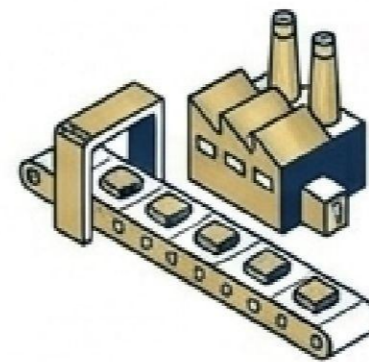
**Phase 1:
Digitize & Map**

Noveltech



**Phase 2:
Engineer &
Optimize**

Ferroman



**Phase 3:
Fabricate &
Manufacture**

Costacurta



**Phase 4:
Execute &
Maintain**

Streven

**Every phase of the industrial asset lifecycle is covered by
a specialized, best-in-class operator.**

Phase 1: Capturing physical reality with millimeter precision

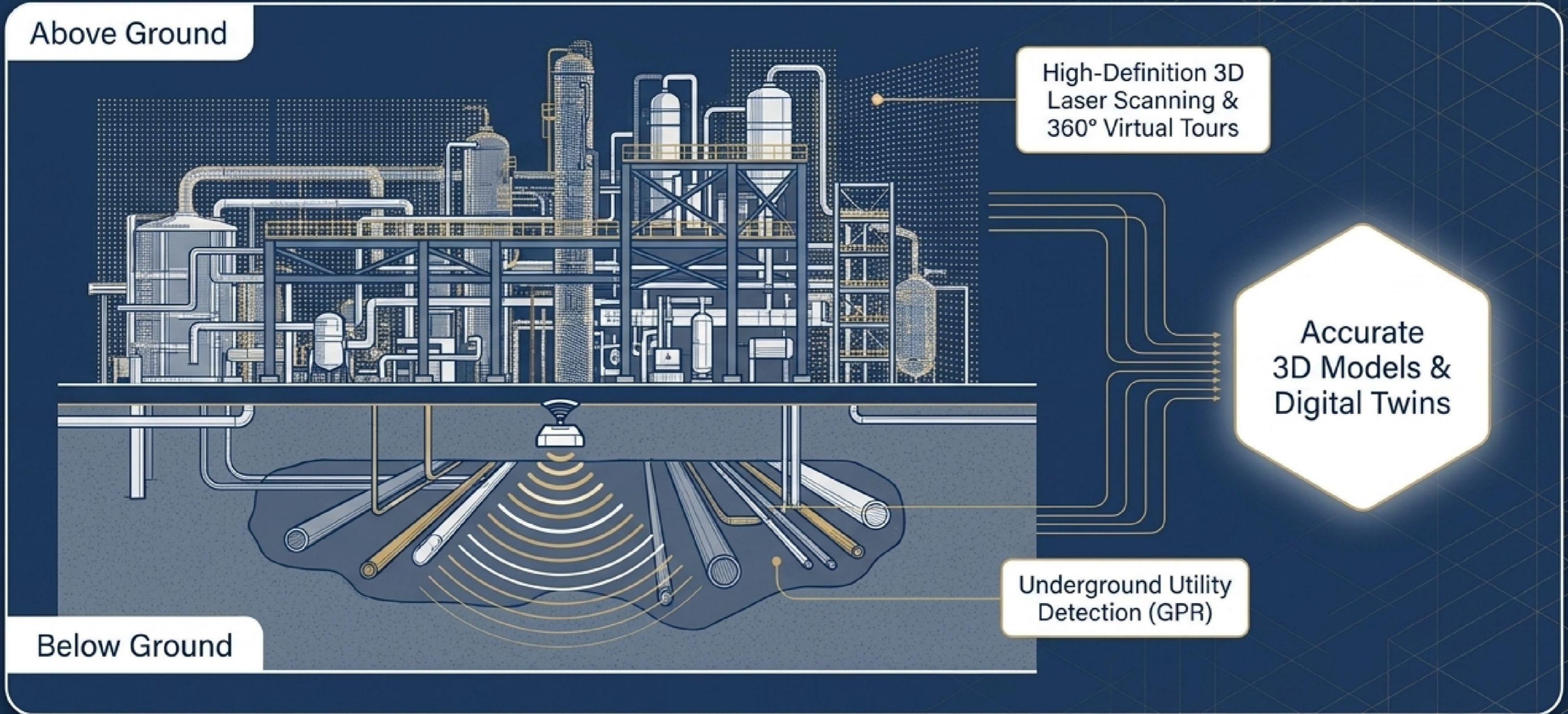
Above Ground

High-Definition 3D
Laser Scanning &
360° Virtual Tours

Accurate
3D Models &
Digital Twins

Underground Utility
Detection (GPR)

Below Ground



Phase 2: Engineering physical precision and digital intelligence

Digitalization

- Plant real-time optimization, advanced process control, AI/ML, and operator training simulators.



The Optimization Stack

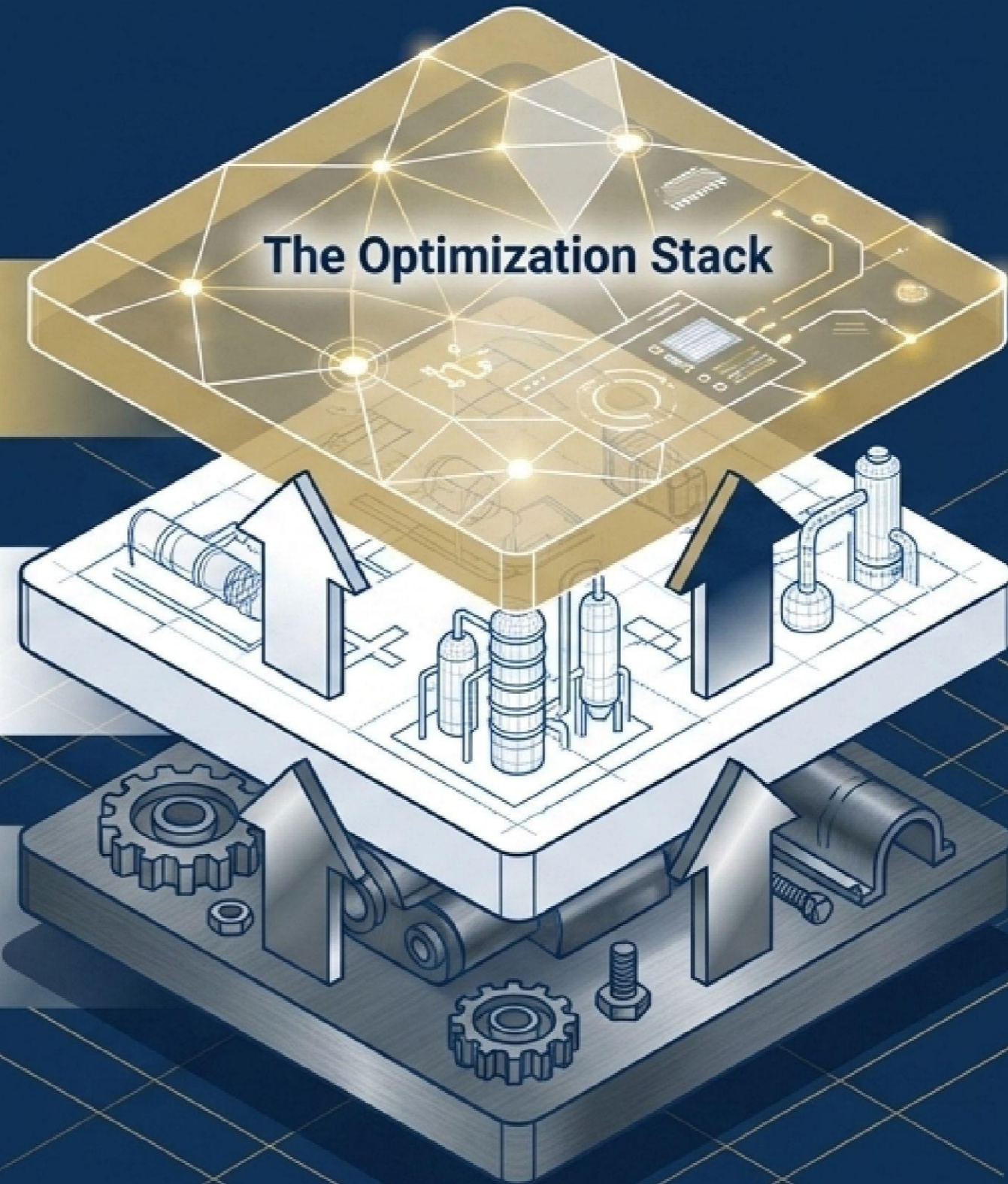
Project & Advance Engineering

- 3D-modeling, CFD, FEM analysis, commissioning, and startup.

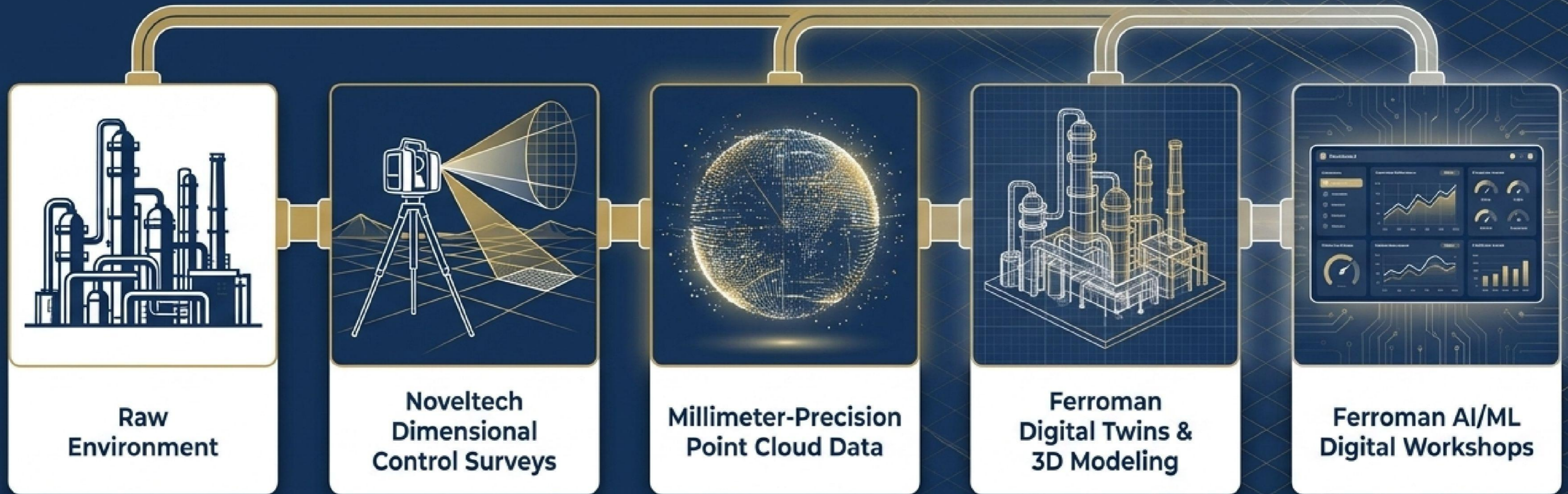


Spare Parts & Equipment

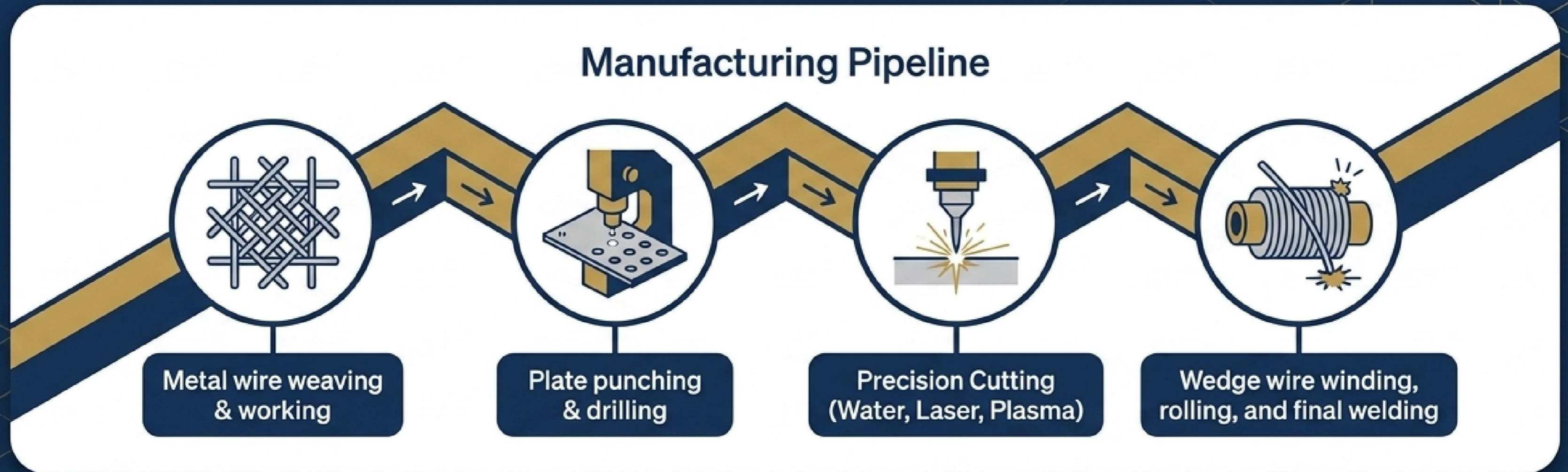
- Furnace rolls, ladles, machined components, distillation and separation equipment.



The Synergy Pivot: Turning site reality into real-time optimization



Phase 3: A comprehensive manufacturing and fabrication pipeline



Integrated capabilities across Romania, Italy, and South Korea ensure complex structural and process components are fabricated to exact specifications.

Phase 4: Field execution, maintenance, and asset operation

TURNKEY EXECUTION



PROJECT CONSTRUCTION

Management, execution, and commissioning for Brownfield and Greenfield projects.

PLANT MAINTENANCE & OPERATIONS

PLANT MAINTENANCE & OPERATIONS

Routine maintenance across process plants, tank farms, and power generation units.

TRAINING & CERTIFICATION

TRAINING & CERTIFICATION

Blue-collar and white-collar professional training. Corporate mission: 100% skill-assessed workforce.

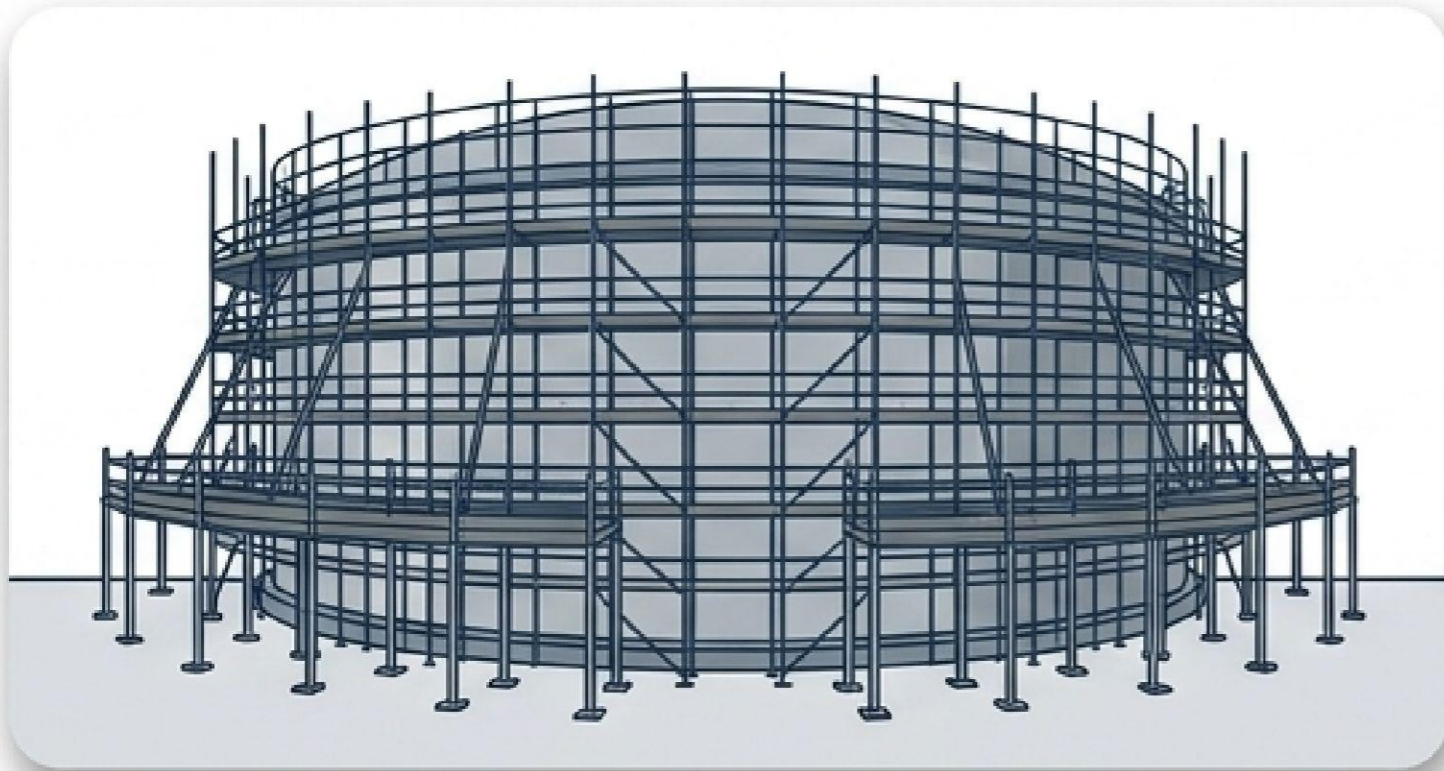
ROPE ACCESS SERVICES

ROPE ACCESS SERVICES

Industrial and infrastructure rapid deployment.

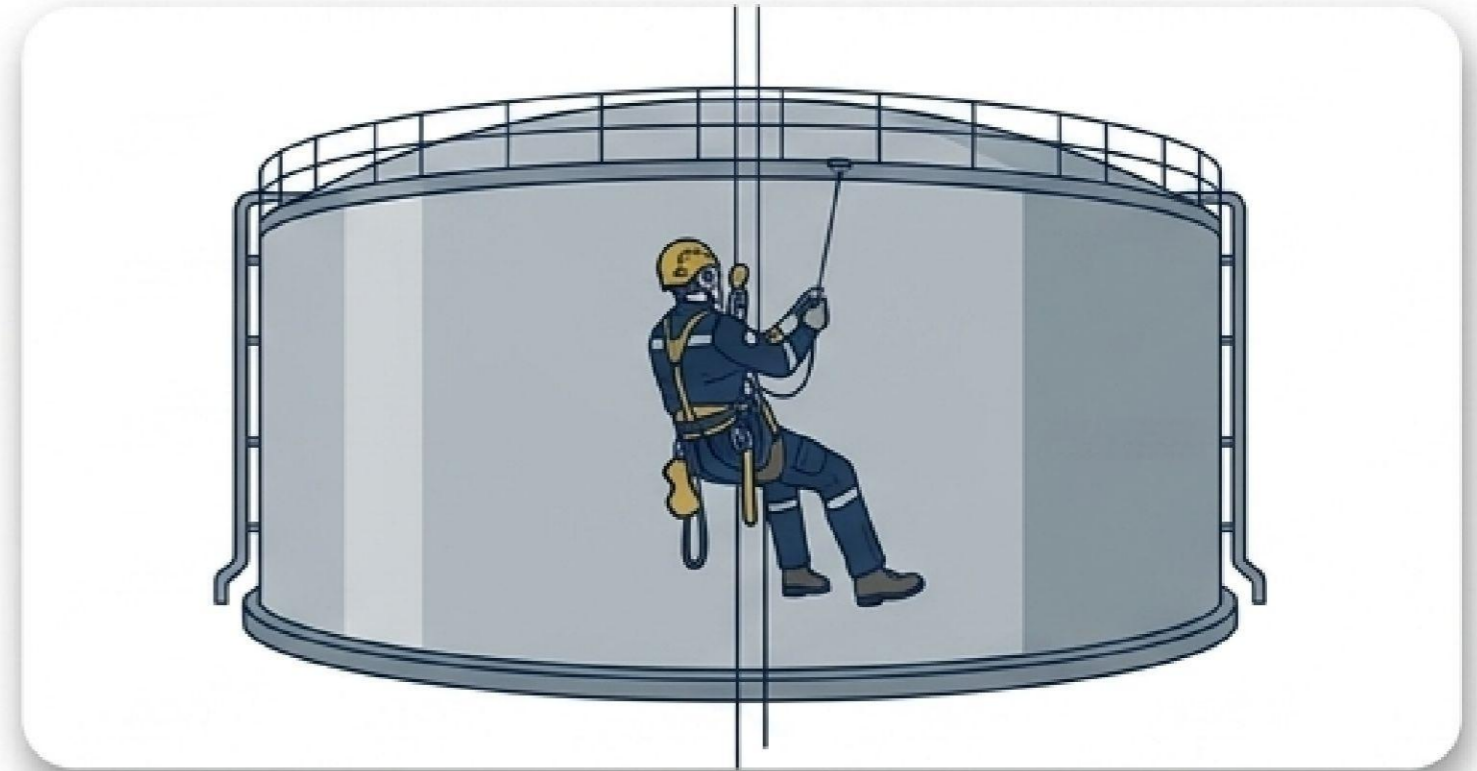
The 'Zero-Footprint' Execution Model

Traditional Scaffolding









- High Personnel on Board (POB)
- Large physical footprint
- Slow deployment time
- Delayed early completion

Streven Rope Access



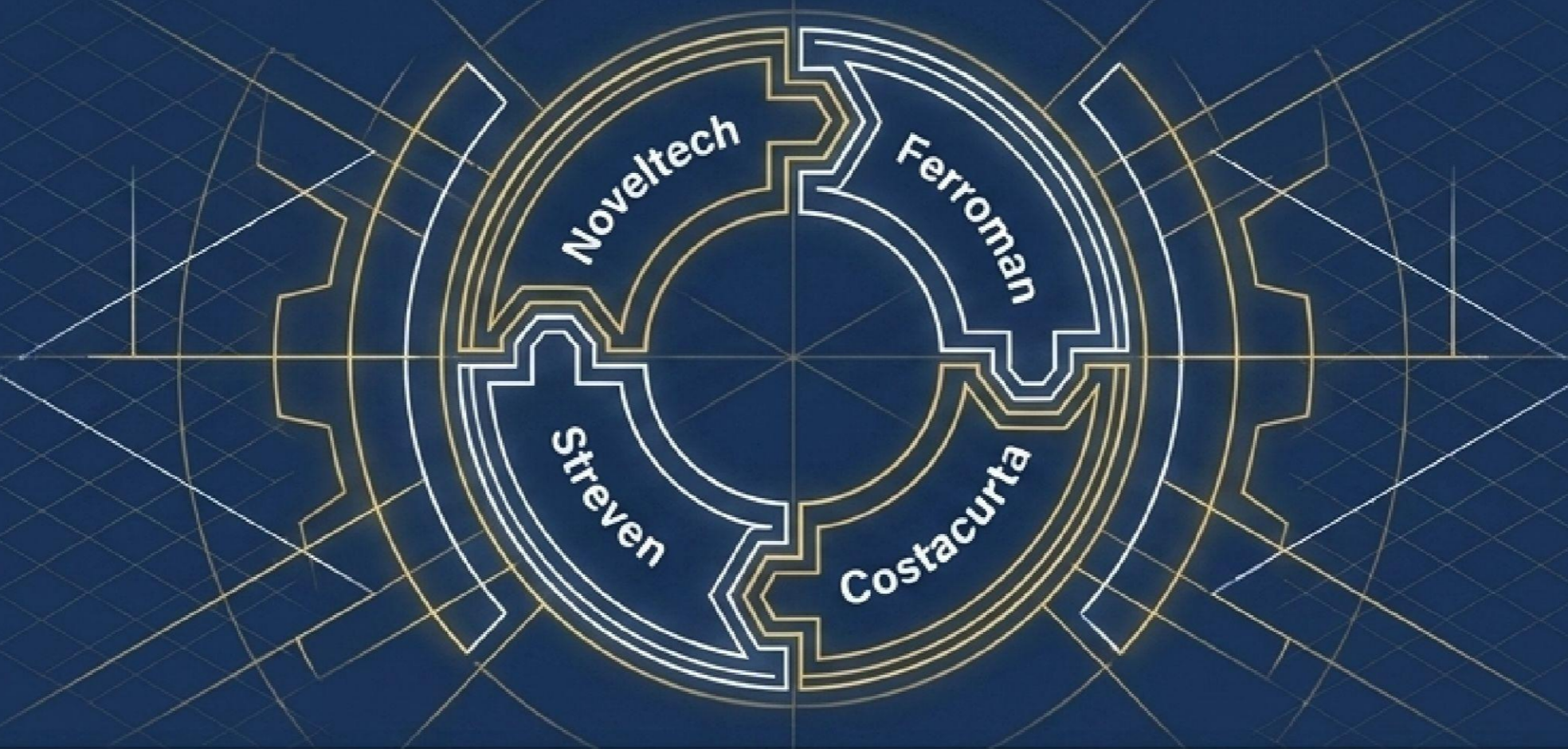
- Alternative to conventional access
- Minimum POB
- Zero ground footprint
- Enables early project completion

The end-to-end industrial capability matrix

		X-Axis				
		Site Assessment & Survey	Detailed Engineering & Design	Procurement & Fabrication	Construction & Commissioning	O&M & Digital Optimization
Y-Axis	Noveltech					
	Ferroman					
	Costacurta					
	Streven					

 = Primary Execution Role

Unifying global expertise to deliver regional excellence



By integrating reality capture, advanced engineering, precision fabrication, and elite field execution, we eliminate operational gaps and deliver uncompromising industrial performance.

The Partner of Choice for Complex Operations

The Amwaj Guarantee

- ✓ Deep specialized expertise in the North African energy context.
- ✓ Integrated, flexible, single-vendor solutions.
- ✓ Unmatched speed of response and execution.
- ✓ Rigorous adherence to global quality and safety (HSE) standards.
- ✓ A robust network of local and international strategic partners.

Connectivity Card

Web: www.amwajalsahra.ly

Email: Info@amwajalsahra.ly |
abobaker@amwajalsahra.ly

Operations Desk:

+218 91 438 7777 | +218 91 438 6666

Support Lines:

+218 91 250 2287 | +218 91 381 2184