





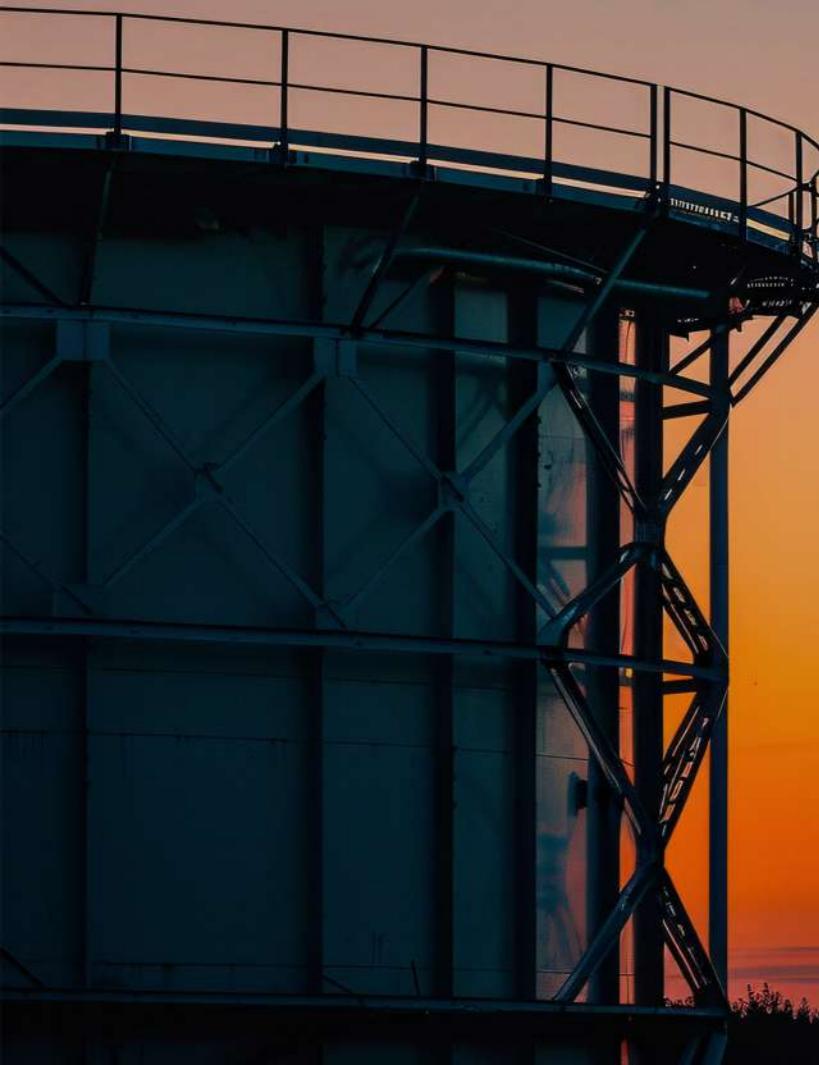
Upstream (Exploration & Production)

E&P

Midstream (Transportation & Storage)

T&S

ORINOX is a full-service oil drilling company operating across the Upstream (Exploration & Production) and Midstream (Transportation & Storage) segments of the oil and gas value chain.

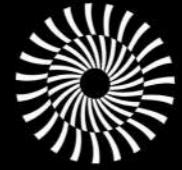




THE FUTURE

Oil & gas is transforming, not disappearing.

Global oil and gas demand forecasts with long plateau.
Capital disciplined operators seeking higher productivity, lower emissions.
Huge capex in brownfield optimization, CCUS, and infrastructure upgrade.



ORINOX

WHO WE ARE

Precision Drilling & Low-Carbon Infrastructure Partner

High-performance drilling and future-ready oil & gas infrastructure

Specialist drilling and field development partner (Upstream & Near-Field Midstream).
Combining drilling excellence with digital optimization and low-carbon readiness.
Targeting attractive IRRs across drilling, CCUS, and hydrogen-ready advisory.





ORINOX

OUR EXPERTISE

Exploration and Production (E&P)

Exploration

We are always searching for hydrocarbon reservoirs using seismic surveys and other geological data.

Production

Our experienced team is known for drilling wells and developing facilities to extract crude oil and natural gas from the ground, both onshore and offshore.



ORINOX

OUR EXPERTISE

Transportation and Storage (T&S)

Transportation

We offer multiple services, depending on the product and location, including setting up of pipelines, and transportation by rail, road, and maritime vessels.

Storage

Holding of raw materials like crude oil and natural gas, and finished products (refined petroleum products or liquefied natural gas) in facilities such as tanks, mounded storage vessels, or underground reservoirs, require the most trustworthy and reliable specialists. At Orinox, we ensure nothing is left to chance.



ORINOX

CURRENT CAPABILITIES

Core Upstream

Drilling Services & Rig Operations

Onshore drilling (exploration, appraisal, development wells).
Work-over operations and basic well intervention.
Day-rate or turnkey contracts.

Well Engineering & Project Management

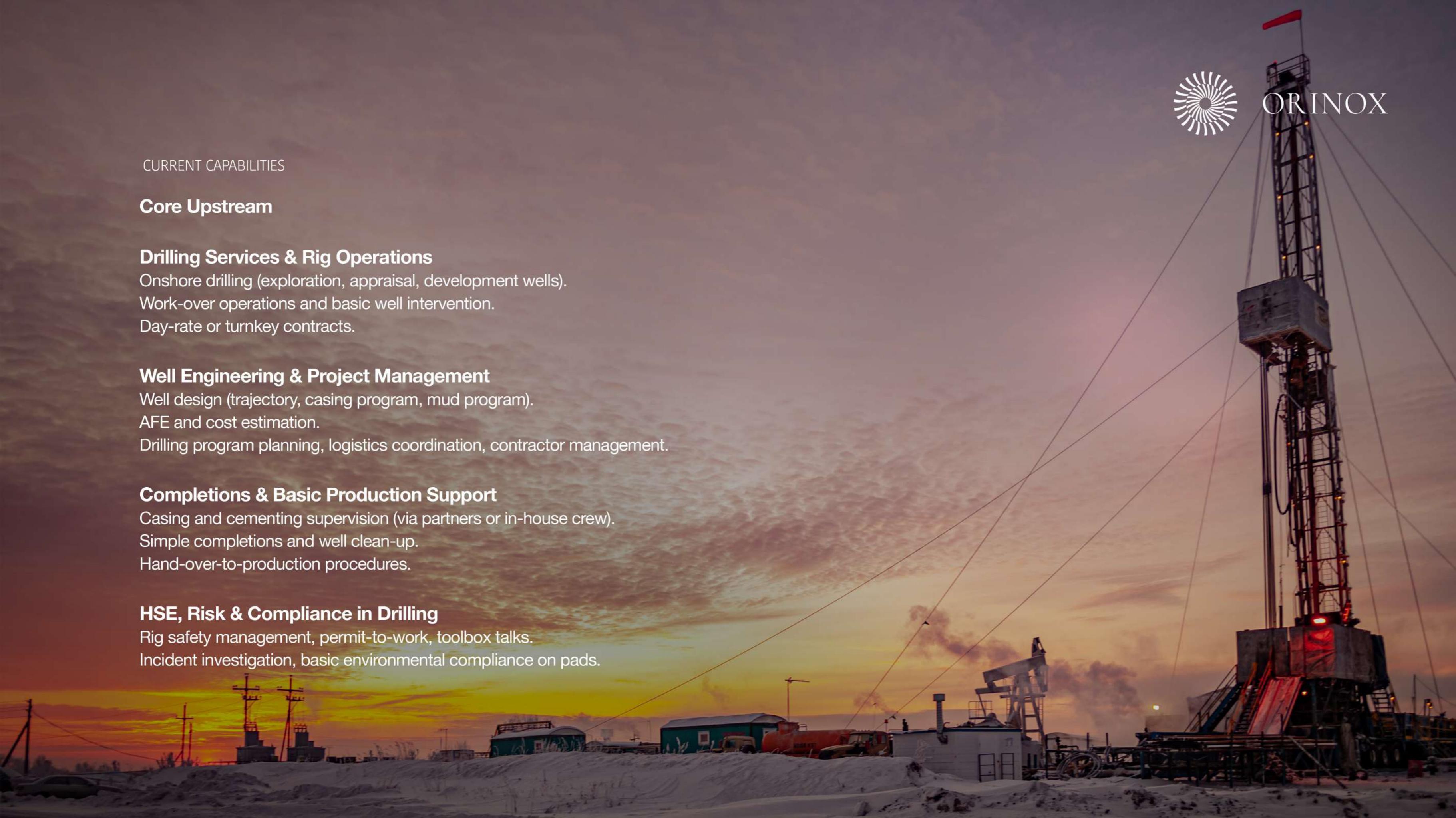
Well design (trajectory, casing program, mud program).
AFE and cost estimation.
Drilling program planning, logistics coordination, contractor management.

Completions & Basic Production Support

Casing and cementing supervision (via partners or in-house crew).
Simple completions and well clean-up.
Hand-over-to-production procedures.

HSE, Risk & Compliance in Drilling

Rig safety management, permit-to-work, toolbox talks.
Incident investigation, basic environmental compliance on pads.





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TRANSITION CAPABILITIES - UPSTREAM

Orinox: The “Next Wave” of Capabilities

Digital Drilling & Performance Optimization

Real-time drilling analytics and KPI dashboards (ROP, NPT, bit life).
AI/ML models for stuck-pipe risk, torque & drag, vibration monitoring.
“Digital drilling centre” service for clients.

Advanced Reservoir & Production Optimization Support

Collaboration with reservoir engineers to design well placement & completions for maximized EUR.
Production surveillance data integration to refine drilling/completion strategy over field life.

Low-Carbon Field Development Solutions

Well designs compatible with CO₂-EOR or CO₂ storage in the future.
Integration of electrified rigs / lower-emission drilling packages.
Methane-leak monitoring and flaring optimization around well pads.

Geothermal & Repurposing of Brownfields

Re-using old O&G wells for geothermal heat or power pilots.
Portfolio screening services to identify geothermal prospects.



ORINOX

CURRENT CAPABILITIES

Core Midstream

Pre-FEED / FEED Support for Gathering & Flowlines

Well pad tie-in design, routing options, hydraulic considerations.
Gathering system concepts for new fields.

Pipeline & Flowline Construction Management (via EPC partners)

On-site construction supervision.
Quality assurance, welding inspection, pressure testing coordination.

Tankage & Storage Interface Engineering

Basic tank farm layout suggestions for field terminals (crude, produced water).
Metering, LACT units, small loading facilities.

Operations Readiness & Commissioning Support

Procedures, checklists, and training for first oil/gas.
Emergency response and safety drills around new midstream assets.





ORINOX

FURTHER CAPABILITIES - MIDSTREAM

Orinox: The “Future of Infrastructure” Specialist

Hydrogen-Ready & CO₂-Ready Pipeline Design Advisory

Advisory on material selection and routing for hydrogen or CO₂ transport.
Blending hydrogen into existing gas grids (H₂-ready concepts).

CO₂ Transport Network Planning for CCUS

Conceptual routing from emitters to storage hubs (salt caverns, depleted fields).
Multi-client CO₂ pipeline corridor studies.

Digital Twins for Field-to-Terminal Networks

Simulation models of gathering systems and small pipelines.
Capacity debottlenecking, leak scenario simulations, “what-if” planning.

Methane & Fugitive Emission Monitoring Services

Integrated leak detection programs for gathering systems, manifolds, and terminals.
Emissions dashboards and compliance reporting as a service.

Integrated “Low-Carbon Field Infrastructure” Offering

Combine upstream well design + midstream gathering + emissions abatement into one turnkey solution: “From first well to low-carbon evacuation route”.



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ADDRESSING THE PROBLEM

Inefficient, High-Emission Field Development

Traditional drilling and midstream development is siloed, inefficient, and often wasteful.

Siloed drilling, subsurface, and infrastructure planning.

High NPT, cost overruns, under-utilized pipelines and terminals.

Growing regulatory pressure on methane, flaring, and CO₂.



CORE BUSINESS SNAPSHOT

What Orinox already does well and reliably.

- Onshore drilling operations and well engineering.
- Workovers and completions support.
- Pre-FEED/FEED support for gathering systems and field infrastructure.
- Robust HSE culture and project management.



ORINOX



From First Well to Low-Carbon Evacuation Route

INTEGRATED PROPOSITION

Integration is the differentiator.

Single partner for drilling, field infrastructure, and low-carbon compatibility.

Reduced time to first oil/gas, better NPV and IRR through integrated planning.

Built-in emissions and future-proofing for CCUS/H₂.

“Legacy Practice” vs “Orinox Method”

INTEGRATED PROPOSITION

Orinox is grounded in technical rigor and in-depth research.

Adoption of best practices from latest upstream drilling and midstream pipeline R&D.

Partnerships with technology vendors (digital drilling, emissions detection, digital twins).

Continuous benchmarking: ROP performance, emissions intensity, cost per barrel delivered.



Reliable ESG KPIs (methane intensity, flaring rate, local content %, safety TRIR).

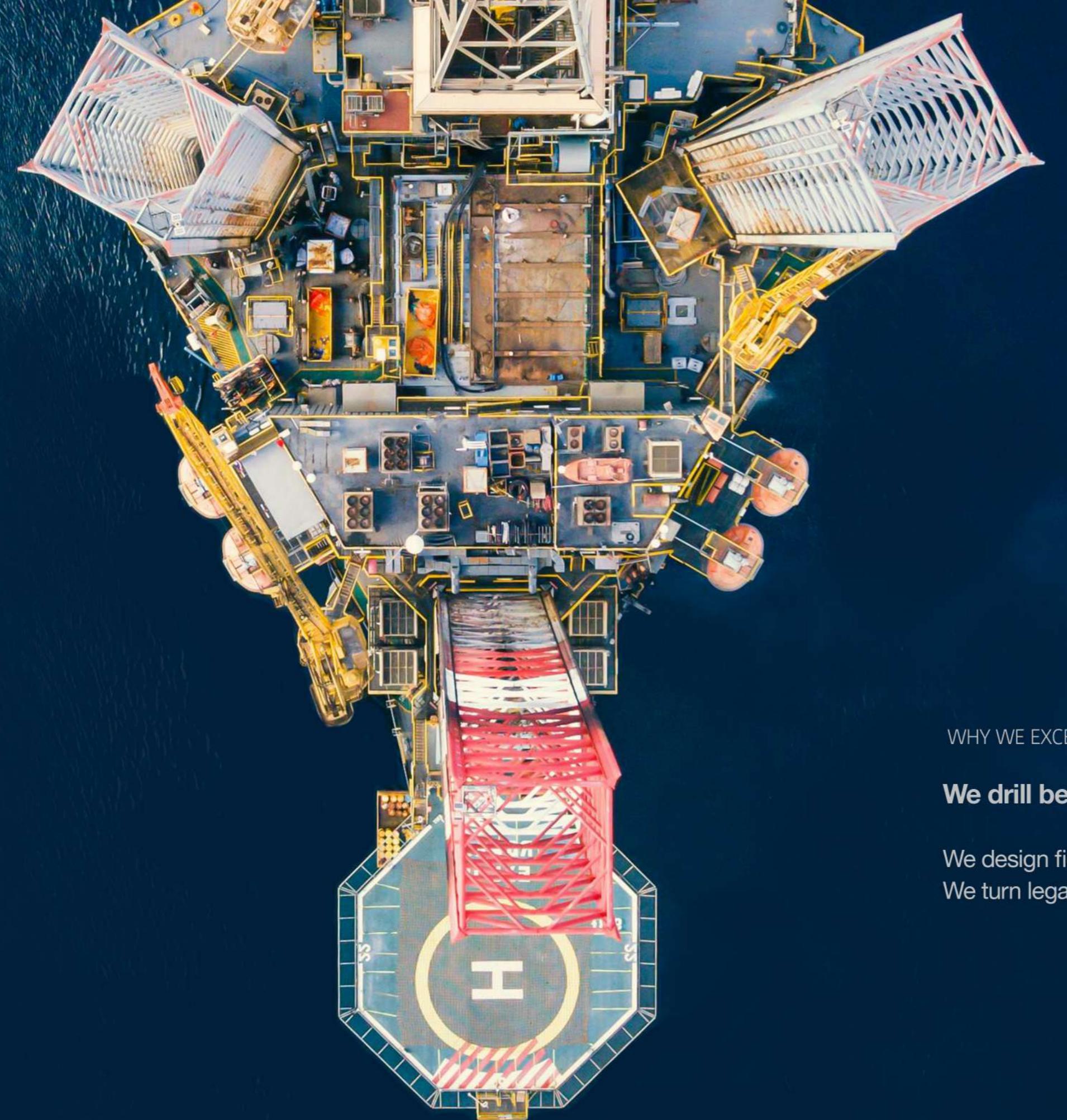
ESG & Sustainability Strategy

Responsible hydrocarbons with quantifiable ESG metrics.

Methane and fugitive emissions reduction initiatives.
Electrification pathways for rigs and infrastructure.
Decommissioning and brownfield repurposing (geothermal, CCUS).
Community engagement and local content strategy.



ORINOX



WHY WE EXCEL OVER THE REST

We drill better, faster, safer.

We design field and midstream infrastructure that is ready for CCUS and hydrogen.
We turn legacy oil & gas capex into future-proof, low-carbon assets.



ORINOX

FIT-FOR-PURPOSE FLEET

Type of Rigs

- Light / medium / heavy land rigs
- HP rating (e.g., 750 HP vs 1500 HP)
- Depth capability, horizontal / directional capability

Specialisation

- Conventional vertical drilling
- High-angle / horizontal
- Workover / well service units

Age & Condition

- New builds vs mid-life vs old units
- Automation level (top drive, iron roughneck, auto-driller, etc.)

Ownership Model

- Fully owned rigs
- Long-term leased rigs
- “Asset-light” model relying on partnership fleets

TECH STACK

Operational Excellence and Accurate, Reliable Data

Field-proven equipment, integrated data, and digital optimization from day one.

Field technology for safer, faster wells

Modern rig control systems (top drive, auto-driller, rig-floor automation) to reduce human exposure and NPT.

Real-time data acquisition (WITSML/other standard) from rig sensors, MWD/LWD, and mud logging units.

Digital drilling and performance analytics

Central operations dashboard to monitor ROP, NPT, bit runs, and fuel consumption across rigs.

Early-stage AI/ML models to flag anomalies and optimise drilling parameters.

Enterprise backbone to scale

Integrated ERP for finance, procurement, fleet maintenance, and inventory.

HSE and incident-reporting platform to capture every near miss, observation, and safety action.

Future-ready data architecture

Structured data lake from day one, enabling future products:

Client benchmarking, emissions reporting, and digital twin offerings for fields and gathering systems.



ORINOX

Upstream (Exploration & Production) Services

Exploration Services

End-to-end exploration capability to find new oil and gas reserves, including geological and geophysical (G&G) surveying, seismic data acquisition (2D/3D seismic campaigns), petrophysical analysis, and basin modeling.

Orinox can handle prospect generation, licensing rounds bids, and exploration well planning.

Once prospects are identified, Orinox manages exploration drilling – mobilizing suitable rigs to frontier locations (onshore or offshore). Our exploration teams aim to high-grade areas with the best chance of success using advanced tech (e.g. AI-assisted seismic interpretation and basin analog databases). By offering integrated exploration, Orinox helps resource holders (governments or partners) delineate new fields efficiently.



Upstream (Exploration & Production) Services

Appraisal & Field Evaluation

After a discovery, Orinox conducts appraisal drilling and testing to determine the field's size and commerciality.

Services include drilling appraisal wells, performing well logs and extended well flow tests, coring and fluid sampling, and reservoir characterization studies. Our reservoir engineers build dynamic models to estimate reserves and optimal development plans.

For example, we provide well test analysis, pressure-volume-temperature (PVT) analysis, and simulation of different development scenarios. The goal is to assess reservoir deliverability and design the most effective development scheme. By combining subsurface expertise with well testing, Orinox can reduce uncertainty and ensure the development plan matches the reservoir's characteristics.



ORINOX

Upstream (Exploration & Production) Services

Development Drilling & Completion

Orinox offers full-scale development drilling services once a project moves forward. This covers drilling production wells (and injection wells if needed for pressure support), using fit-for-purpose rigs (land rigs for onshore pads, offshore rigs or platform rigs for offshore projects).

We manage well design, directional drilling, and modern completion techniques (like multi-stage hydraulic fracturing for shale, or smart completions for offshore). Our teams handle well completion and stimulation, installing production tubing, artificial lift (ESPs or gas lift), and performing initial well productivity enhancements.

During field development, Orinox integrates drilling with facilities planning – e.g., clustering wells on pads or platforms to minimize surface footprint. The service extends to project management for drilling campaigns, including procurement of OCTG (tubulars) and wellheads, logistics for remote sites, and implementation of rigorous safety management. With Orinox's drilling efficiency focus, clients benefit from reduced well costs and faster first oil.



Upstream (Exploration & Production) Services

Production Operations & Optimization

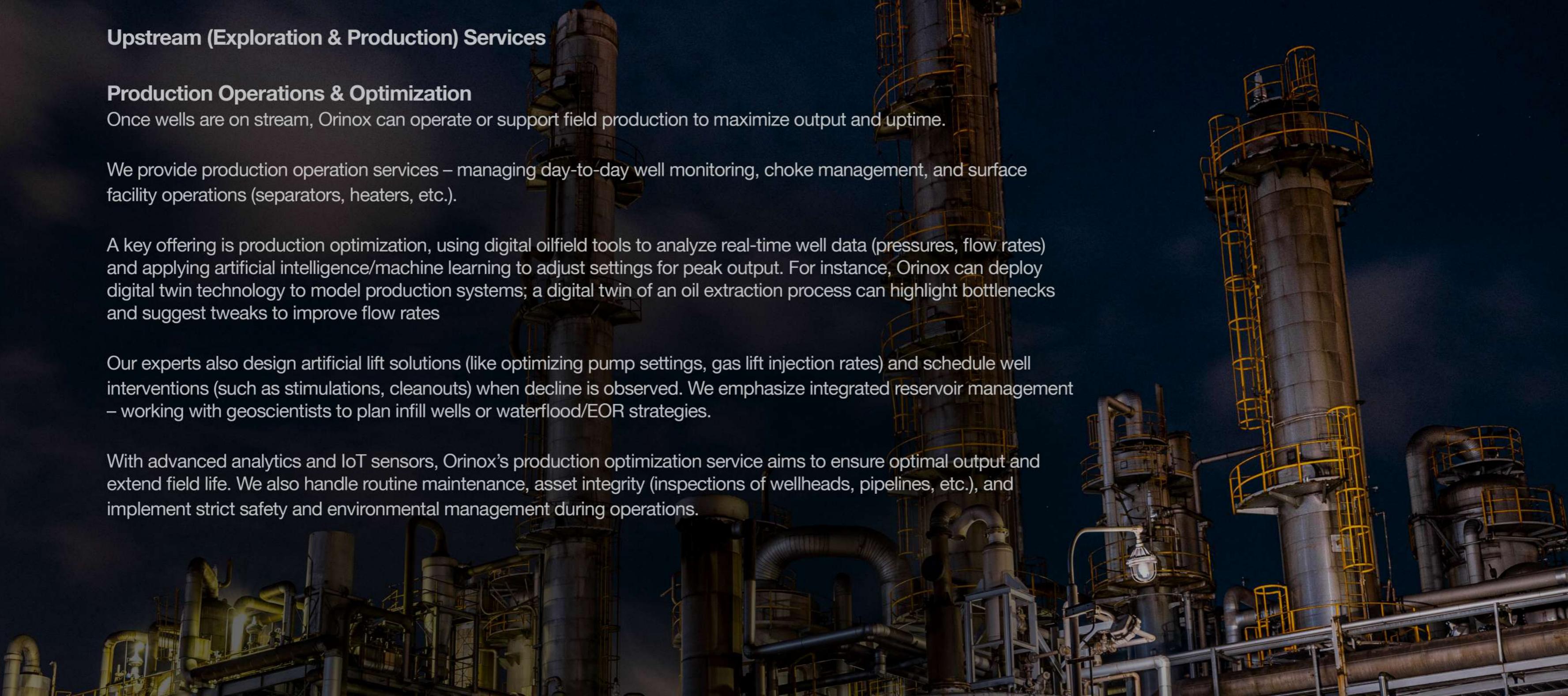
Once wells are on stream, Orinox can operate or support field production to maximize output and uptime.

We provide production operation services – managing day-to-day well monitoring, choke management, and surface facility operations (separators, heaters, etc.).

A key offering is production optimization, using digital oilfield tools to analyze real-time well data (pressures, flow rates) and applying artificial intelligence/machine learning to adjust settings for peak output. For instance, Orinox can deploy digital twin technology to model production systems; a digital twin of an oil extraction process can highlight bottlenecks and suggest tweaks to improve flow rates

Our experts also design artificial lift solutions (like optimizing pump settings, gas lift injection rates) and schedule well interventions (such as stimulations, cleanouts) when decline is observed. We emphasize integrated reservoir management – working with geoscientists to plan infill wells or waterflood/EOR strategies.

With advanced analytics and IoT sensors, Orinox's production optimization service aims to ensure optimal output and extend field life. We also handle routine maintenance, asset integrity (inspections of wellheads, pipelines, etc.), and implement strict safety and environmental management during operations.



Upstream (Exploration & Production) Services

Enhanced Oil Recovery (EOR) & Late-life Services

For maturing fields, Orinox can evaluate and implement EOR techniques, for example, gas injection, waterflood design, chemical EOR (polymer/surfactant flooding) or even CO₂ injection if available. We run pilot tests, design surface facilities (injection plants), and monitor EOR performance.

Additionally, as fields near end-of-life, Orinox provides well workovers and re-completions to revive production (e.g., adding perforations to new zones, or converting producers to injectors and vice versa).

Finally, we can plan and execute plug & abandonment of wells safely and cost-effectively when needed, and manage decommissioning of small facilities – fulfilling late-life obligations in an environmentally responsible manner.



ORINOX

Midstream (Transportation, Storage, Processing, Marketing) Services

Gathering & Transportation

Orinox designs, builds, and operates the infrastructure that moves hydrocarbons from the wellhead to processing or market. This includes gathering pipeline systems in field areas – small-diameter flowlines that connect each well or platform to central collection points. We can install multi-phase pipelines or separate oil/gas gathering lines, complete with compression for gas and pumps for oil as needed.

Orinox also offers trunk pipeline development for larger volumes: e.g., regional oil pipelines from a field to a refinery or port, and gas transmission pipelines from producing basins to consuming markets. We have expertise in route selection, pipeline engineering, rights-of-way and permitting, and pipeline construction management. Our operations team would monitor pipelines via SCADA systems to ensure safe, efficient transport. Given that pipelines are the safest mode of oil & gas transport over long distances, Orinox will invest in advanced leak detection, corrosion control, and strict maintenance programs. Beyond pipelines, we can manage other transport modes as part of a solution – coordinating trucking fleets, rail transport, or marine tankers/barges where pipelines are not available. For example, Orinox might operate a fleet of oil tank trucks in an early production scenario, or charter barges to move crude down a river system.

The transportation service aims to ensure that product flows reliably from production sites to the next stage with minimal bottlenecks. (In the Permian Basin, for instance, gas production has nearly doubled to 25 Bcf/d in recent years, requiring ~16 Bcf/d of new pipeline capacity by 2030 – a need Orinox could help meet.)

Midstream (Transportation, Storage, Processing, Marketing) Services

Oil & Gas Processing

After collection, most hydrocarbons need processing before they are market-ready. Orinox can develop and run central processing facilities (CPFs) for oil and gas processing plants. For natural gas, our services include gas treatment (removing impurities like CO₂, H₂S, water) and gas processing to extract Natural Gas Liquids (NGLs) such as propane, butane, etc. Raw gas from the wellhead is routed to treatment plants and then large processing units (cryogenic or refrigeration) to separate NGLs – yielding “pipeline-quality” dry gas that meets sales specifications.

For example, Orinox could build a gas plant near a new gas field in West Africa to strip valuable condensate and LPGs, with the residue gas sent to power plants or LNG. On the oil side, Orinox offers crude stabilization and separation: separating produced fluids into oil, gas, and water at central facilities.

We can install heater-treaters, separators, and degassing tanks such that the crude oil is stabilized (light ends removed) for safe storage/transport. Additionally, Orinox might operate fractionation plants for NGLs (splitting mixed NGL stream into ethane, propane, butane, etc.), or mini-LNG plants if needed for gas monetization. Our processing service line also covers compression and dehydration – critical for gas pipeline transport.

By handling processing, Orinox ensures that upstream production is converted into marketable commodities: dry gas that meets pipeline specs, crude oil meeting vapor pressure limits, and separated NGLs for petrochemical use. Importantly, processing is where upstream meets midstream, and Orinox’s integrated approach can optimize both sides (for example, adjusting field production in real-time based on processing plant capacity or constraints).





ORINOX

Midstream (Transportation, Storage, Processing, Marketing) Services

Storage Solutions

Orinox provides hydrocarbon storage at various points in the value chain. For crude oil, we can build and manage tank farms – large storage tank batteries at field terminals or hub locations. These tanks buffer production, allow for blending, and ensure a ready supply for shipment. For natural gas, Orinox could operate underground gas storage reservoirs (depleted fields or salt caverns) to help clients balance seasonal demand. Gas is often injected into storage during low-demand periods and withdrawn in peak winter times, and Orinox's service would include managing these injection/withdrawal cycles and maintaining gas deliverability.

We also handle NGL and refined product storage (pressurized bullets for propane/butane, etc., or atmospheric tanks for condensate). Storage is critical for system flexibility – for instance, as mentioned in GPA Midstream guidelines, stored gas is used to “smooth out” differences between steady production and variable demand. Orinox can bring expertise in safe tank operations, vapor recovery to reduce emissions, and inventory management.

Additionally, for LNG or export, we could manage storage in the form of cryogenic tanks or floating storage units. The ability to safely store large volumes gives Orinox's partners security of supply and operational leeway, which is particularly attractive to investors worried about offtake logistics.



Midstream (Transportation, Storage, Processing, Marketing) Services

Marketing & Offtake Management

Orinox's service portfolio extends to the commercialization of oil and gas. In the midstream sector, marketing refers to finding buyers, negotiating sales contracts, and arranging transportation for hydrocarbons. Orinox can act as a marketer for production streams – for example, aggregating crude from multiple small producers and selling it at better prices to a refinery, or securing LNG customers for natural gas.

We would employ commercial experts to handle offtake agreements, price hedging, and market analysis. For gas, this might involve negotiating Gas Sales Agreements with power plants or industrial users, or coordinating with LNG export facilities. For crude, it could mean managing tenders to international traders or refineries. The marketing service also includes logistics management: ensuring the product is delivered per contract, whether via pipeline scheduling, truck dispatch, or cargo lifting. By having marketing in-house, Orinox can guarantee an integrated chain: we don't just produce and transport the oil/gas, we also help ensure it reaches an end buyer under favorable terms. This is particularly crucial in new producing regions – e.g., in emerging producers like Guyana or Uganda, where connecting to global markets involves navigating crude quality specs, shipping, and trade finance.

Orinox can leverage its network and expertise to maximize netback prices for producers. Additionally, our marketing team would handle regulatory compliance (export licenses, pipeline tariffs, etc.) and use financial instruments to mitigate price volatility as needed.



Key Differentiators

In a competitive industry, Orinox stands out by blending innovative technology, sustainable practices, operational agility, and cross-sector synergy

Advanced Technology & Digital Integration

Orinox is committed to leveraging the latest tech stack – from the drill bit to the pipeline. We deploy AI and Machine Learning for real-time drilling optimization and predictive maintenance. For example, our rigs use smart drilling systems that give drillers on-screen guidance, analyzing downhole parameters like delta-P, weight-on-bit, and bit rotation to maximize rate of penetration. This can significantly shorten drilling times and reduce costs. We incorporate Digital Twin simulations across operations: a digital twin of a drilling rig or production facility allows us to test scenarios and optimize without risking downtime. (An AI-powered digital twin of a drilling process can identify the optimal drilling speed and anticipate issues)

Our production facilities have IoT sensors feeding cloud analytics platforms so we can tweak processes continuously for efficiency. Automation and Robotics are another pillar – Orinox invests in automated pipe handling on rigs (e.g. robotic catwalks and iron roughnecks) that not only speed up operations but also improve safety



Modularity and Rapid Deployment

One of Orinox's hallmarks is speed and flexibility in project execution. We achieve this through modular designs and agile project management. Our drilling rigs and equipment are chosen for modularity, meaning they can be quickly broken down, moved, and reassembled. For instance, we utilize modular rigs that can be transported in standard containers or on trailers to remote sites – significantly reducing mobilization time and cost.

This is crucial for frontier areas with little infrastructure (jungle, desert, arctic) where conventional rigs would require heavy-lift transport. On the facilities side, Orinox advocates modular process units: instead of stick-building a large gas plant on site for months, we fabricate skids and modules in advanced yards and ship them to site for rapid assembly.

This approach was proven in fast LNG projects and in some onshore plants, cutting construction schedules by as much as 30%. For midstream pipelines, we apply techniques like pre-automated welding spreads and use of composite materials in challenging terrains to accelerate construction.

The net effect is Orinox can bring new production online faster than competitors. For example, if a small operator strikes oil, Orinox could offer a packaged solution: a modular CPF (Central Processing Facility) that can be installed in weeks, tied into a pipeline we fast-track with multiple crews – getting first oil flowing perhaps a year earlier than other traditional approaches.



ORINOX

Integrated Cross-Sector Synergy

Perhaps Orinox's most unique differentiator is the very premise of the company – an integrated approach bridging upstream and midstream, which allows synergies that stand-alone firms cannot offer. In practical terms, this means seamless coordination from reservoir to market. For example, when planning a field, Orinox's team simultaneously plans the drilling program and the evacuation pipeline, optimizing both together. We might drill fewer wells but ensure each is placed to align with gathering infrastructure, accelerating first delivery.

There's a financial synergy as well: we can bundle upstream and midstream investments in creative ways to improve project economics (e.g. using midstream cash flows, which are often stable, to support exploration risk). Clients (or host countries) benefit from dealing with one entity responsible for the whole value chain – reducing interface risk, avoiding blame games between producers and transporters, and simplifying project management.



ORINOX



What Orinox commits to deliver

- A phased drilling + near-field midstream scope, with integrated low-carbon readiness.
- A complete HSE and environmental management plan aligned to national regulations and international practice.
- A local content plan (jobs, training, supplier onboarding, reporting cadence).
- Transparent progress reporting and auditable KPIs (safety, schedule, emissions, local value).



What Orinox Proposes

Integrated well delivery (drilling + well engineering) with near-field midstream support (gathering, storage interfaces, commissioning) and built-in methane management and CCUS/H₂ readiness.





Why Orinox?

Faster time-to-production, reduced flaring and methane leakage, strengthened local capability, and improved reliability of evacuation infrastructure—delivered with transparent KPIs and auditable controls.

Compliance-first Execution

Permit-to-work, well control, contractor bridging, and ESIA/ESMP planning embedded from day one. Clear reporting cadence and government audit rights.

Measured Emissions Management

LDAR programs, flaring minimization, fuel monitoring, and emissions dashboards (MRV-ready) to meet evolving methane and climate requirements.

Local Content and Skills Transfer

Structured workforce development, supplier onboarding, and training pipelines designed to meet local content regulations and build durable national capability.



Accountable Governance Structure for Safe, Compliant Delivery

Orinox is a specialist well delivery and near-field midstream partner. We combine drilling execution, well engineering, and infrastructure readiness with measurable HSE and emissions performance. Operations are governed by defined accountabilities, technical assurance, and a compliance-first culture.

Government Interface & Reporting

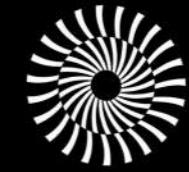
Monthly HSE and progress reporting (with incident/near-miss transparency).

Local content dashboard and supplier development status.

Environmental compliance reporting aligned to permit conditions.

Joint technical reviews at defined decision gates.

THE COMPANY



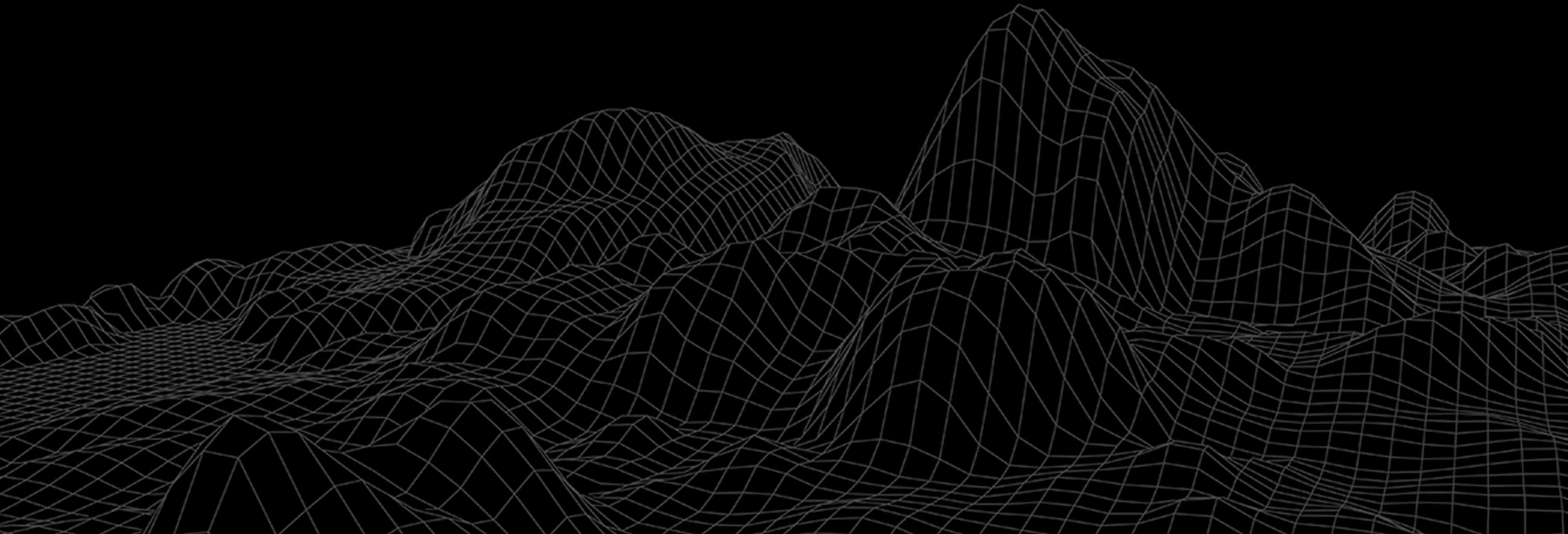
ORINOX

Orinox: What we do now, and where we are going.

Specialist drilling and field development partner focused on Upstream and Near-Field Midstream.

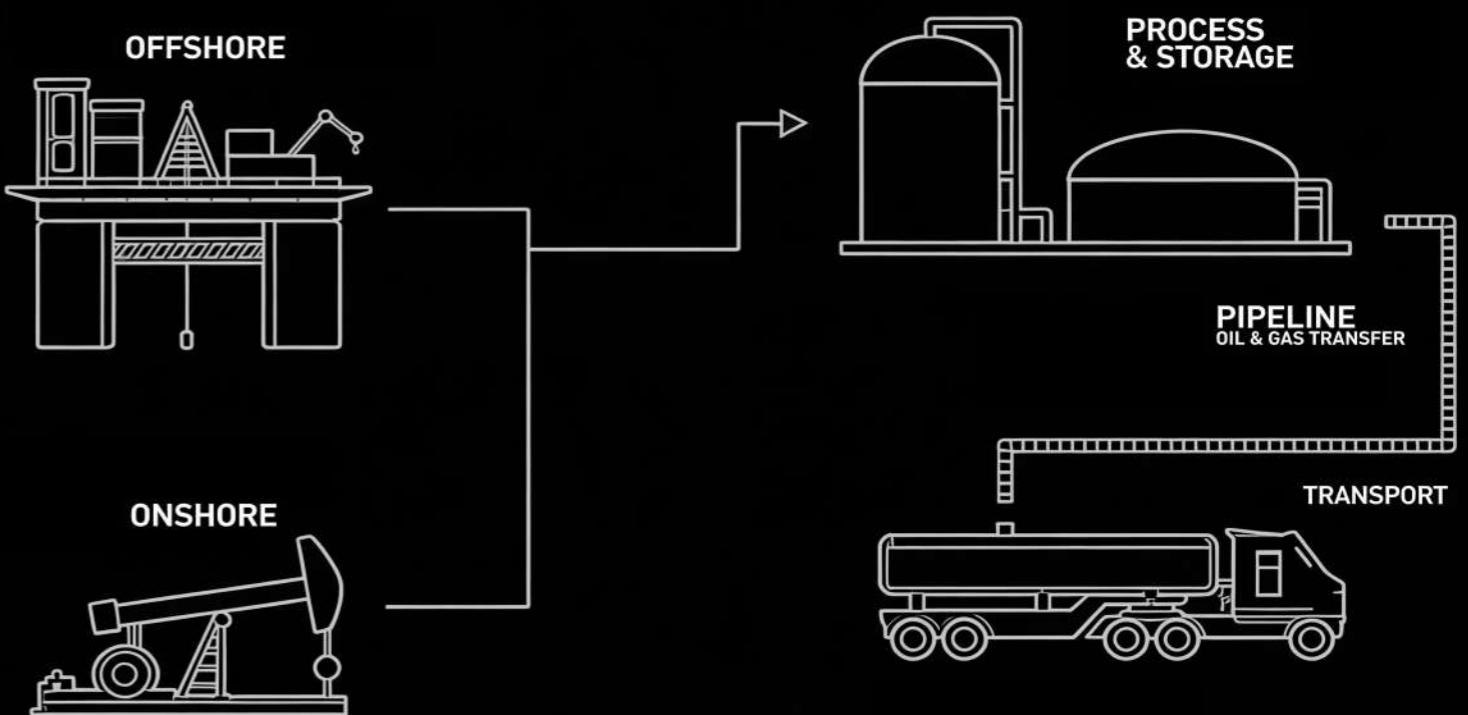
Combining legacy expertise in drilling with digital optimization and low-carbon infrastructure.

Targeting efficient IRR across a pipeline of drilling contracts and CCUS/hydrogen-ready advisory opportunities.

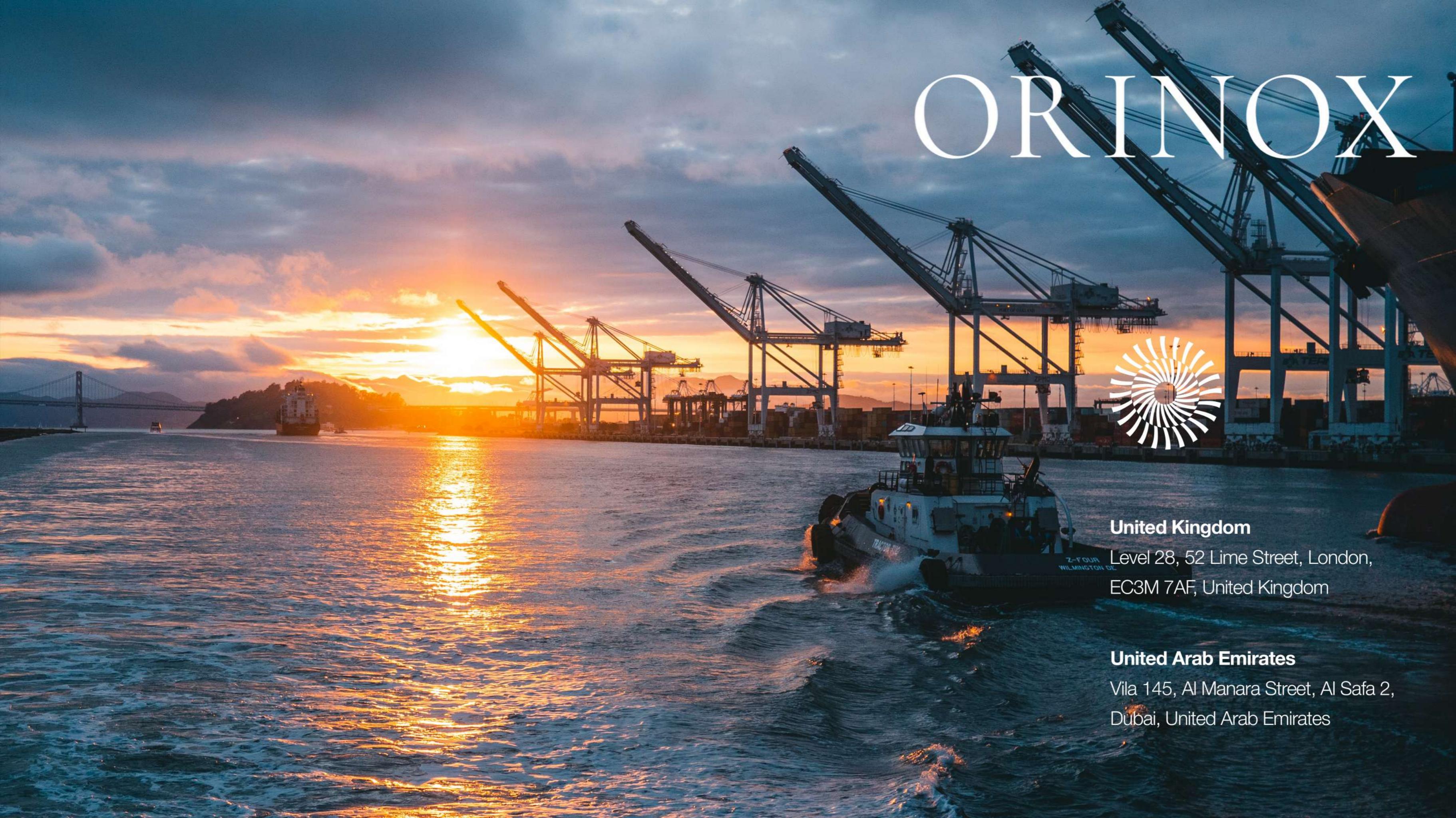




Orinox provides integrated services across the Upstream (drilling, well engineering, and production support) and Near-Field Midstream (gathering, flowlines, storage interfaces, and commissioning support) segments of the oil and gas value chain.





A wide-angle photograph of a busy port at sunset. The sky is filled with warm orange and yellow hues from the setting sun, which reflects off the dark blue water of the bay. In the foreground, a white tugboat with "TRACTOR TUG" and "WILMINGTON DE" written on its side is moving through the water, creating white foam. Behind it, a large cargo ship is docked at a terminal. Several tall, articulated port cranes stand along the pier, their long arms reaching out over the water. One crane's arm is clearly visible in the upper right corner. The background shows more of the port infrastructure, including stacks of shipping containers and distant hills under the colorful sky.

ORINOX



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