

DELIVERING ON SEISMIC PROJECT GOALS



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rpsgroup.com/seismic

A GLOBAL ORGANISATION

Founded in 1970, RPS is a leading global professional services firm of 5,000+ consultants and service providers.

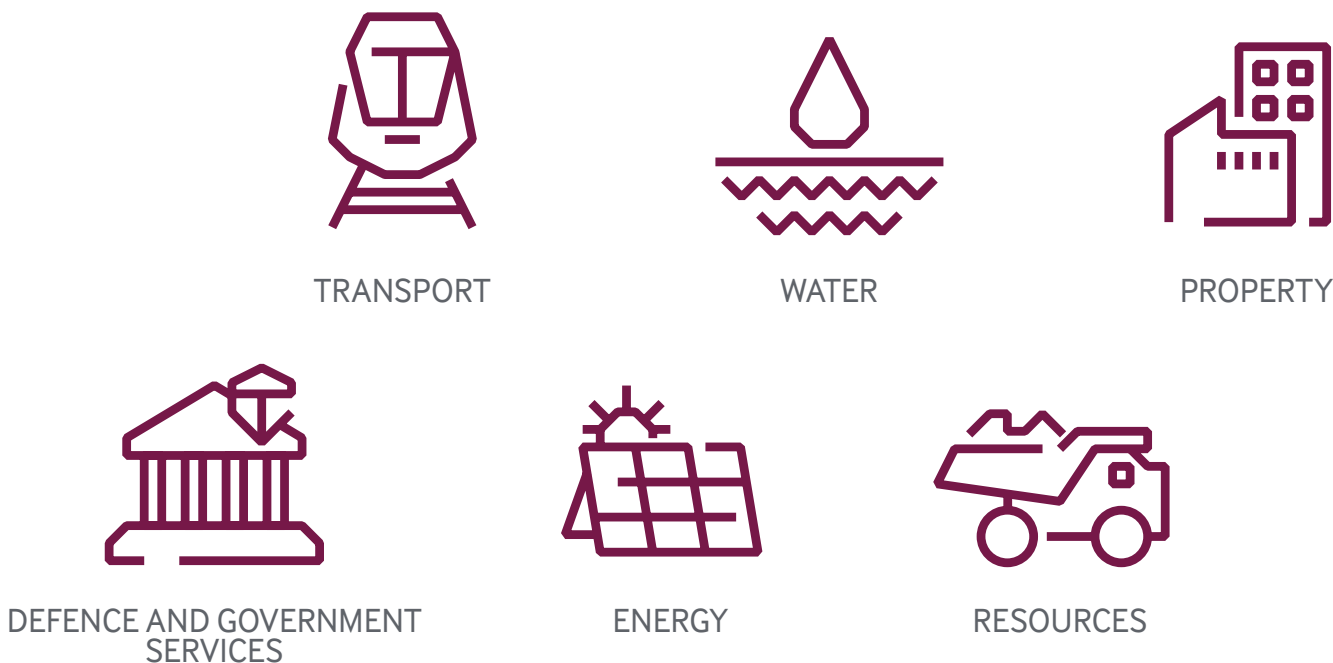
With experience across 125 countries and six continents we define, design and manage projects that create shared value for a complex, urbanising and resource-scarce world.

We have deep expertise in things that matter and are easy to work with. Our clients trust and respect us for our creative thinking. Together we build strong relationships by repeatedly delivering on our promise: making complex easy.

We work across six sectors:

- . Transport
- . Water
- . Property
- . Defence and government services
- . Energy

OUR SIX SECTORS



5,000+
TALENTED
PEOPLE

6
SECTORS

125
COUNTRIES

RPS AT A
GLANCE

Specialised expertise independent advice

Faced with regulatory uncertainty, market volatility and growing concerns over long-term, sustainable supply, energy producers need high quality commercial and technical advice to support smart exploration and field development.

We've been involved in some of the world's most technically challenging exploration and development initiatives for over 30 years, providing the data to ensure producers invest wisely, stay safe and maximise operational viability – across the asset lifecycle, both onshore and offshore.

Specialising in solutions for projects delivered in remote, sensitive and operationally challenging environments, we work with clients to manage environmental impacts, optimise their return on investment, develop their staff and bring energy to market cost-effectively and safely.

Why we exist

OUR PURPOSE

DELIVERING ON CLIENT'S SEISMIC GOALS

We support our clients to bring energy to market cost-effectively and safely in remote, sensitive and operationally challenging environments.

We deliver pragmatic solutions and provide deep expertise to assure our clients that the seismic data they acquire is collected efficiently and safely and meets their technical requirements.



What we do
OUR PROMISE

We define and deliver on seismic projects — doing the right thing in the best interests of our clients -underpinned by value for money.

Together we build strong relationships by being easy to work with - operating safely, with integrity, honesty and transparency

Making complex easy



How we do it

OUR BEHAVIOURS

Adapting to a complex world

We solve problems that matter

- We're naturally inquisitive with a deep desire to find solutions to problems
- We embrace new ways of thinking and support each other as we learn
- We are leading minds who pursue continuous improvement and innovation
- We're mindful of our impact on those who depend on environmental, social and financial stability

Our personality

We are confidently pragmatic

- We anticipate client needs, and push the boundaries of enquiry in our response
- We utilise our global experience and specialist knowledge to delight our client
- We challenge each other to do things better, always delivering on our promise without compromising our integrity
- We encourage intelligent risk taking to deliver the best outcome, by being fully informed and using sound judgement

Global thinking, big picture

We make it easy to connect

- We are open to the opportunities that a complex world brings. We actively go out of our way to make things easy
- We share knowledge and if someone asks for help we do all we can to assist
- We recognise the potential in other people's ideas and will work in partnership to make the most of the opportunity
- We are always looking to create shared value and to support each other through peaks and troughs

Our attitude. What it's like to work with and for us

We are stronger together

- We are respectful of each other, acknowledge diversity and recognise the potential and contribution of everyone
- We bring out the best in one another always assuming best intent
- We act responsibly for our own wellbeing and safety and that of others
- People who learn and grow thrive in our business and share in our success

Winning mindset

ABSOLUTE DELIVERY

- We actively support each other to succeed by consistently delivering quality work on time and on budget
- We communicate clear expectations of each other to enable high performance
- We hold ourselves accountable for always delivering commercially astute outcomes
- We find opportunities that deliver high value to our clients, improve performance and deliver profitable outcomes

WHAT WE DO

RPS provides deep expertise and pragmatic solutions throughout each phase of a seismic project - assuring that seismic data is collected efficiently, safely and meets our client's technical requirements.

We **define** successful seismic projects for our clients

- Optimise surveys for the best results
- Review geomatic data
- Assure regulatory compliance
- Assess technology
- Manage environmental risk and permitting
- Design and implement monitoring plans
- Metocean data visualisation and analysis

DEFINE

We support our clients to **acquire** seismic data, efficiently and safely

- Analyse the impact of sound
- Model underwater acoustics
- Protect people and assets from unexploded ordnance (UXO)
- Plan for contingencies
- Identify and manage project risks
- Audit health, safety, environment and security systems
- Seismic navigation, instrumentation and operating quality control and assurance
- Engage with local stakeholders
- Mitigate risks to marine mammals and other protected species
- Optimise shooting plans in real-time

ACQUIRE

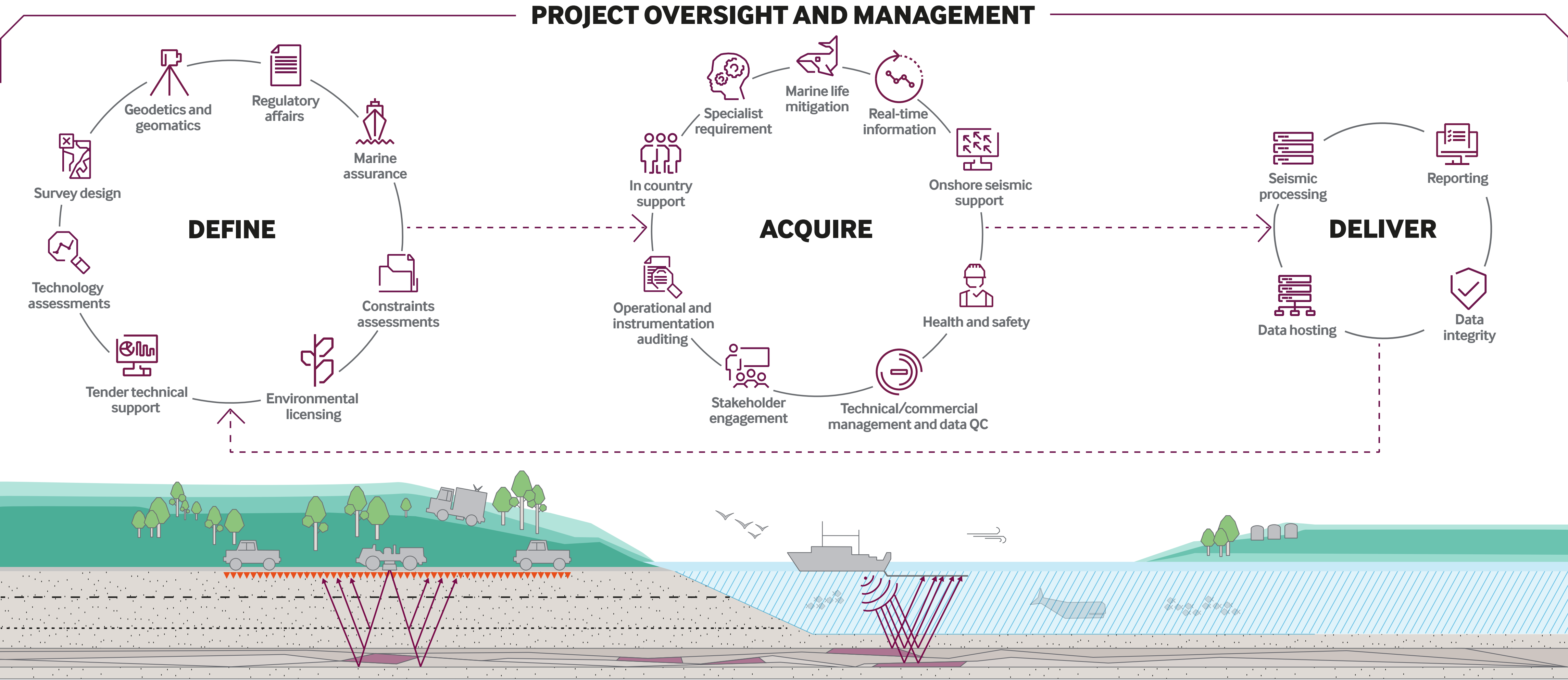
We **deliver** assurance and pragmatic solutions

- Supervise and manage data processing
- Provide advanced seismic data analysis
- Evaluate reprocessing options
- Ensure data is correctly positioned spatially
- Deliver technical and operational reports and project documentation
- Integrate new data with old

DELIVER

DELIVERING PRAGMATIC SOLUTIONS, PROVIDING CONFIDENCE

at every stage of a seismic project



WHY, WHAT, HOW, WHERE?

- 1

WHY we exist:
To support our clients throughout each phase of their seismic acquisition project - from defining and planning, seismic acquisition, through to data preparation and delivery, - meeting their objectives – efficiently and safely.
- 2

WHAT we do:
We put our clients’ interests first. We deliver on their goals while navigating the challenges of working in remote, sensitive and operationally challenging environments.
- 3

HOW we do it:
We create project teams of specialists from multiple technical disciplines. We collaborate closely with our clients to meet their technical, operational and commercial challenges. We develop technically-sound strategies, mitigate risks and to generate maximum value on seismic acquisition projects.

4

WHERE we add value:

TECHNICALLY	Our specialist personnel, software, and quality control processes assure that the data you expect is the data you get. Our survey designers use their extensive experience and proprietary software to plan surveys that are effective and efficient, saving costs and minimising project risk. We inspect equipment, oversee seismic data collection and audit geodetic data. Our first line quality control processes assure data requirements are met.
OPERATIONALLY	We act on behalf of our clients, providing independent advice to ensure the project runs efficiently and safely. We work collaboratively with seismic contractors and operators, in country. We support operational planning, stakeholder engagement and reporting. Our international logistics team assures all team members are in the right place, at the right time, with the proper credentials, keeping projects on track.
COMMERCIALLY	We support our clients in developing seismic tenders, and we create comprehensive financial models to evaluate them. We review agreements so that they are fit for purpose and without ambiguity. We provide ongoing and up-to-date project spending reports relative to budget.
RESPONSIBILITY	We work closely with environmental regulators to track new regulations before they are implemented. We provide a dedicated and experienced Environmental Project Manager to each project. We ensure adherence to our client’s policies and standards.
SAFETY	We provide in-country health, safety, environment and security (HSES) supervisors who are the first point of contact for support. Demonstrating excellence in HSE leadership, they actively push the crew for continuing improvement and adherence to our client’s policies and standards, environment management plan, and any country regulations. They monitor the seismic contractor’s HSE and operational systems to ensure their efficacy through the survey.

Experience

KOSMOS' GLOBAL SEISMIC ACQUISITION PROJECTS

With multiple seismic survey projects located around the globe, having a project team large enough and with the right expertise to support the technical, commercial, environmental and safety aspects of these projects is key to success. RPS provided a core team of specialists from various departments, collaborating and dedicated to the successful execution of each Kosmos project.

From 2015 to 2020 RPS supported Kosmos on deepwater seismic operations including surveys in Morocco, Mauritania, Senegal, Suriname, Sao Tome, Côte d'Ivoire, and Equatorial Guinea. Kosmos needed to ensure that their seismic projects were executed safely, met environmental regulations and delivered the quality of data their exploration team required. Using personnel from various departments, RPS created a support team for onshore in-country project supervision and field services. Included in the team are technical auditors, marine auditors, lead acquisition quality assurance specialists, navigation quality control specialists, health, safety, environment and security (HSES) quality control specialists, marine fauna observers and passive acoustic monitors (PAM) operators. These specialists, along with the required technical and environmental management software and systems, collaborated on up to three simultaneous operations, covering all back to back crew changes.

This team was supported by RPS' logistic team, who manage travel, transportation and other logistical needs. On the most recent project, this included the safe repatriation of personnel from two vessels offshore in Sao Tome due to the start of the COVID pandemic.

For the last six years, RPS delivered consistency of personnel across multiple projects for Kosmos that spanned the globe. We assured that their data acquisition requirements were fulfilled while meeting all health, safety and environmental regulations.



Services provided

- Multi-country marine seismic project management
- Technology assessments
- Geodetics and geomatics
- Regulatory affairs
- Environmental license
- Marine audits
- Operational and instrumentation auditing
- Technical management and QC
- In country support
- Onshore support
- Specialists requirements (PAM and MMOs)
- Health and safety

Find out more about Kosmos global seismic acquisition projects [here](#)

Experience

TRIDENT 2020 4D SEISMIC SURVEY IN EQUATORIAL GUINEA

In 2020 RPS provided support to Trident Equatorial Guinea Inc. (Trident) in the planning and execution of a 4D seismic survey over the actively producing Ceiba and Okume fields, offshore Equatorial Guinea. Seismic projects involve many complex activities concerning many stakeholders and carry considerable commercial, technical, environmental, and safety considerations. During the survey, several close-pass operations with platforms and vessels were anticipated. The safety of the local fishing community was a paramount concern. Trident desired assurance that the survey would meet their technical specifications, safely and all within budget.

RPS provided expertise in onshore seismic project management, technical auditing, survey optimisation, onboard acquisition analysts, quality control and fisheries liaison. This team of RPS specialists delivered the survey successfully, meeting all Trident's technical requirements, without any safety incidents, on time and within budget.

Services provided

- Survey design and optimisation
- Simultaneous operations (SIMOPS management)
- Technology assessments
- Geodetics and geomatics
- Regulatory affairs
- Operational and instrumentation auditing
- Technical management and QC
- Onshore support
- Fisheries liaison officers (FLO)



View the full Trident 2020 case study [here](#)

OUR EXPERIENCE

STAATSOLIE

Onshore 3D Seismic Acquisition In Suriname

- Seismic survey design
- Field project management
- Seismic quality control and quality assurance
- Processing quality control and quality assurance

FIND OUT MORE



PETROCELTIC

Source array modelling, Southern Ionian Sea

- Underwater acoustics
- Seismic operations management and support
- Seismic survey design
- Marine biology
- Modelling

FIND OUT MORE



AL YASAT PETROLEUM OPERATING COMPANY

Area 1 3D Seismic Survey, Abu Dhabi

- Seismic QC Supervision
- HSE Supervision
- Geodetic Supervision
- In-Field Processing Supervision
- Technical Audit

FIND OUT MORE



OMV AUSTRIA

Schönkirchen 3D Seismic Survey

- Seismic QC Supervision
- HSE Supervision / Project Management
- Technical Audit

FIND OUT MORE



OUR EXPERIENCE

SHELL

Seismic support service for life-of-field monitoring for Shell, offshore Brazil

- . Geophysical support
- . Seismic quality control and quality assurance
- . Processing quality control

FIND OUT MORE



NATIONAL OIL CORPORATION OF KENYA

Environmental and Social Impact Assessment (ESIA) for Onshore 2D seismic survey, Kenya

- . Environmental and Social Impact Assessment (ESIA)

FIND OUT MORE

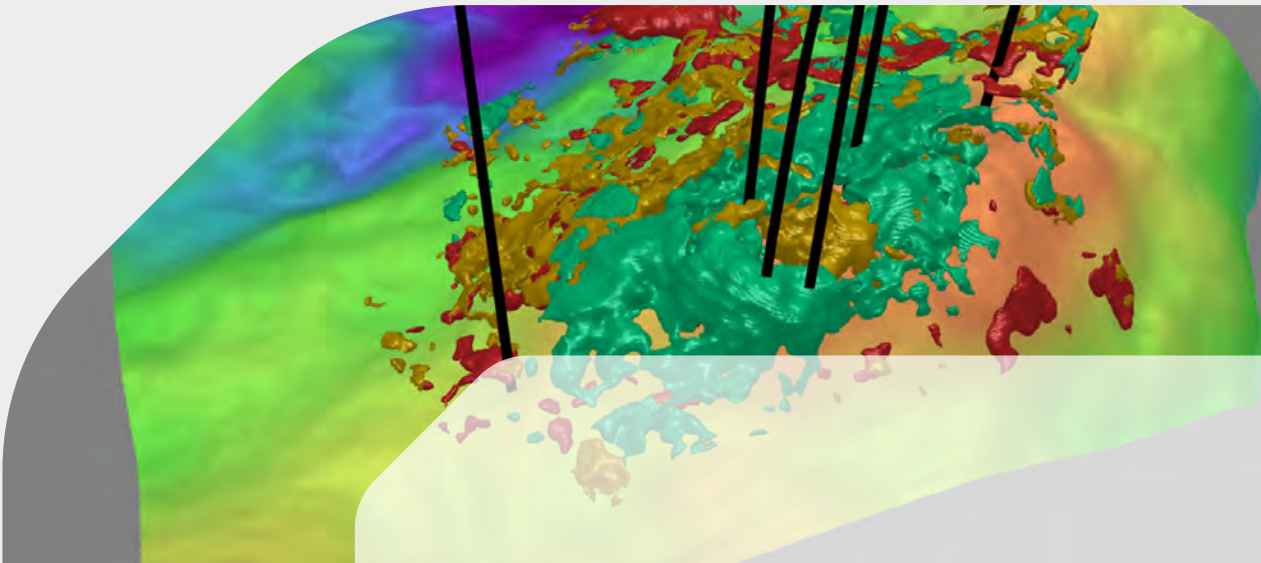


DTEK OIL AND GAS

Seismic reprocessing, simultaneous inversion and interpretation, Ukraine

- . Data processing and inversion feasibility study
- . Technical and commercial management of data processing and inversion project

FIND OUT MORE



RUMAILA OPERATING ORGANIZATION

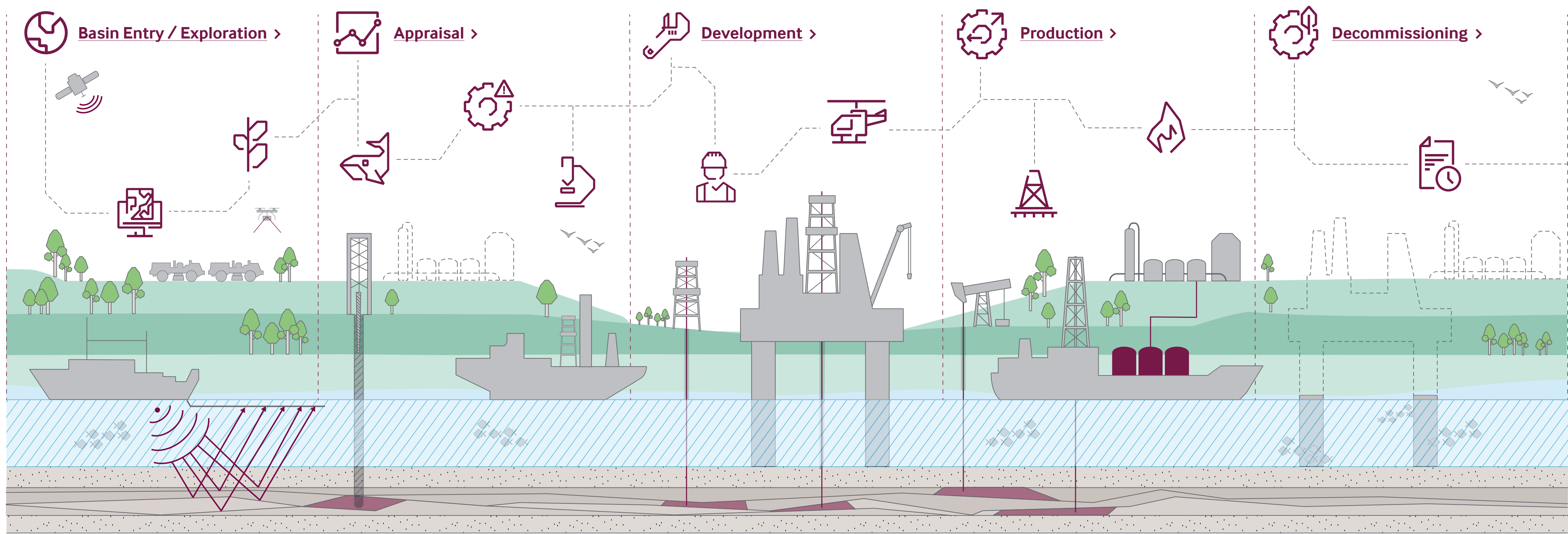
UXO Technical & QA/QC Support, Rumaila Field, Iraq


- . UXO Technical Support
- . Risk Mitigation
- . QA/QC

FIND OUT MORE



SUPPORTING OUR CLIENTS THROUGHOUT ALL STAGES OF AN OIL AND GAS ASSET



 Rollover phase name to view our services and expertise