More data, less effort.

STRYDE

Making high-definition onshore subsurface imaging accessible for any industry

A message from our CEO

At STRYDE, our mission is to enable companies to acquire high-definition subsurface data across a broad range of applications and industries. We achieve this through our cutting-edge seismic acquisition technology and services.

Our proven, end-to-end offering reduces the environmental footprint of land seismic operations, lowers HSSE risk exposure, and delivers significant cost and time efficiencies for our customers.

Central to our solution is the STRYDE node, the world's smallest and most affordable autonomous seismic sensor. This innovation removes many of the traditional challenges associated with land seismic acquisition, enabling organisations to collect the high-density data required for accurate subsurface exploration and monitoring.

Reflecting the transformative impact of this technology, more STRYDE nodes are in use globally than any other onshore seismic nodal recording device, positioning STRYDE as the leading provider of onshore seismic technology by deployment volume.

Mike Popham
CEO

How we help our customers

The world needs high-resolution seismic data to mitigate risks and expedite the development of new energy production. However, progress has been hindered by bulky and expensive seismic equipment and lengthy processing times. That's why STRYDE has developed affordable, cutting-edge nodal technology and solutions to deliver better seismic data, faster than ever before.

Our solutions:

Land seismic acquisition technology

STRYDE's land seismic acquisition technology transforms the capex and opex required for high-definition seismic imaging.

The system optimises operational efficiency through the entire seismic acquisition process. This is enabled by:

- The STRYDE Node™, the smallest, lightest and lowest priced seismic node on the market today.
- STRYDE's custom solution for efficient charging and data harvesting.

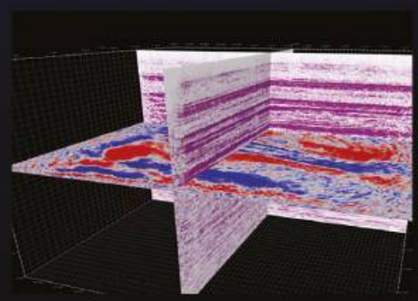
Our differentiated technology is supported by a highly experienced field support team, which can support customers both remotely and in person.

Exploration services

At STRYDE, we recognize that traditional approaches to seismic acquisition and imaging can be time-consuming, costly, and resource intensive.

That's why we've developed a fully integrated imaging service, powered by STRYDE's deep expertise in nodal seismic imaging, advanced acquisition technology, and experienced field teams, trusted local partners, and specialist interpreters.

Our solution is designed to drastically reduce turnaround times, cut costs, and ease the burden on your team, so you can focus on making smarter, faster decisions.



Why customers choose STRYDE

The STRYDE offering is unique in the market, providing high-quality seismic data at a price point unmatched by any other competitor.

AT STRYDE, WE HELP CUSTOMERS:

- Finish their projects faster
- Acquire large-scale surveys
- Acquire the highest-definition data possible
- Reduce logistics and project complexity
- Make decisions faster with rapid delivery of interpretation-ready seismic
- Drastically reduce the costs of seismic acquisition projects
- Minimise environmental footprint and land disruption
- Ensure seismic acquisition is safer

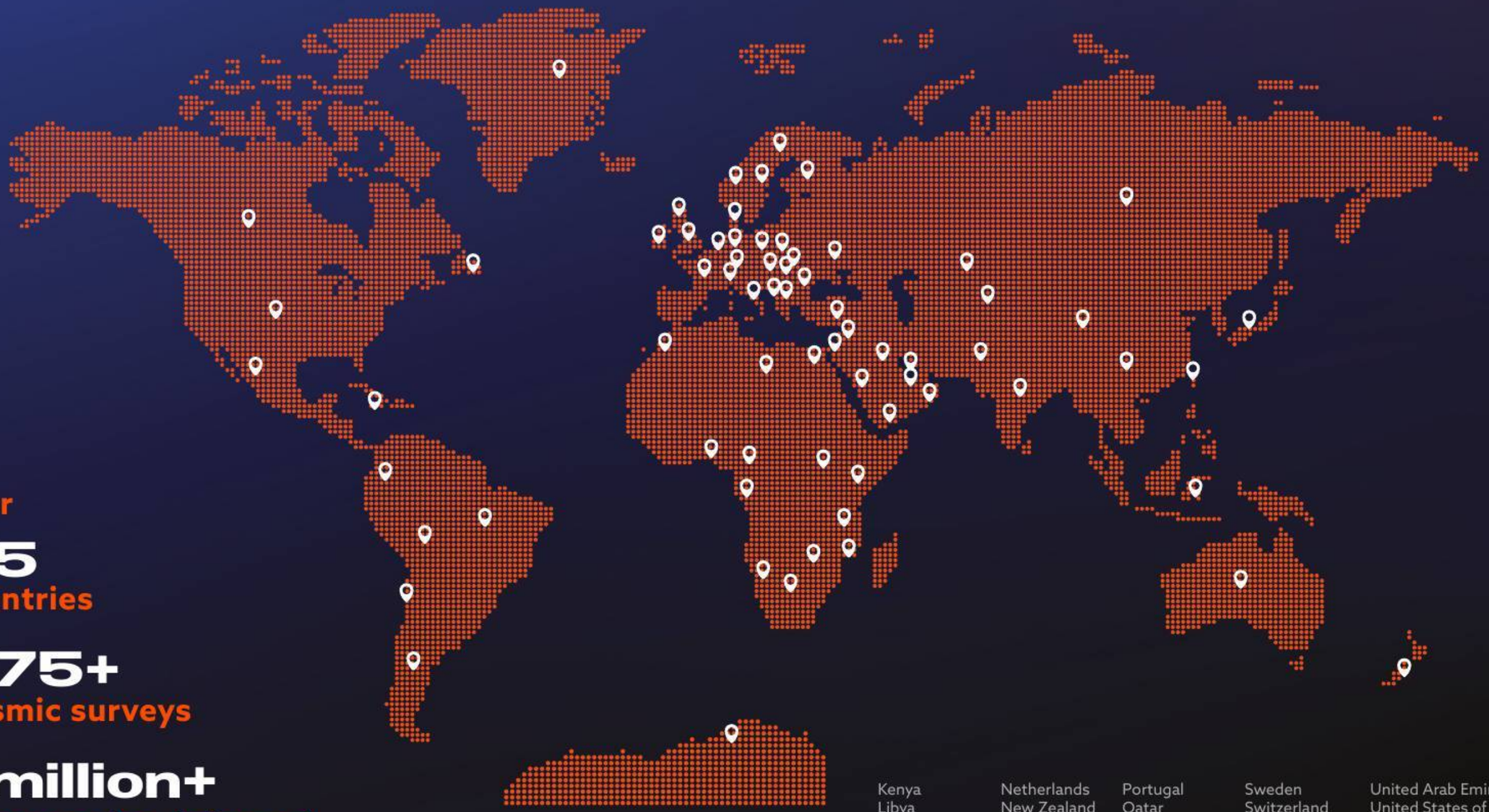
ACROSS A VARIETY OF APPLICATIONS:

- Geothermal
- Helium
- Oil and Gas
- Mining
- Agritech
- Hydrogen
- CCUS
- Geohazards
- Animal Tracking
- Civil Engineering
- Academic Research
- Water Exploration

A worldwide presence

Countries where STRYDE solutions have been deployed:

Argentina
Australia
Austria
Belgium
Bolivia
Botswana
Brazil
Canada
Chile
China
Colombia
Croatia
Czech Republic
Denmark
Egypt
England
Finland
France
Gabon
Germany
Hungary
India
Indonesia
Ireland
Israel
Italy
Jamaica
Japan
Jordan
Kazakhstan



Kenya
Libya
Mexico
Mongolia
Morocco
Mozambique
Namibia
Netherlands
New Zealand
Nigeria
Norway
Oman
Pakistan
Poland
Portugal
Qatar
Romania
Russia
Saudi Arabia
Scotland
Serbia
Sweden
Switzerland
Taiwan
Tanzania
Turkey
Uganda
Ukraine
United Arab Emirates
United States of America
Uzbekistan
Yemen
Zimbabwe

over

65
countries

375+
seismic surveys

1 million+
unique nodes delivered between 2020 and 2025

Our history

The STRYDE Node™ was first created in 2013 by an engineer in bp. In 2016, bp agreed to collaborate with partners to develop a new "nimble node" for land seismic acquisition. In August 2019, bp formed STRYDE to commercialise the resulting technology.

Oct - 2019
First employee starts at STRYDE

Q2 - 2021
Acquired the world's highest-ever trace density land seismic project on a CCS test facility with Explor and Carbon Management Canada

Q4 - 2021
STRYDE delivers largest ever nodal system to AGS in Oman (166k nodes)

Q3 - 2020
At scale production – STRYDE is able to begin offering systems to customers

Q2 - 2022
Launched fast-track data processing business

Q4 - 2022
Delivered 45k node system for use in Saudi Arabia, marking the first at-scale use of seismic nodes by a large operator in KSA

Q2 - 2022
Supplied over 120k nodes for use by the largest acquisition contractor in the world

Q4 - 2022
STRYDE had been used on a total of 116 projects within its first two years

Q2 - 2023
Completed first material project in LATAM (CCS in Brazil), meaning STRYDE had been used on every continent in the world

Q4 - 2023
Completed world's largest Geothermal project by node count

Q4 - 2023
Over 20% of 2023 annual revenue is generated from non-O&G markets

Q4 - 2023
New node version released (Range+)

Q2 - 2024
STRYDE entered its 50th country

50th country

Q1 - 2025
STRYDE employees bought STRYDE

Q2 - 2025
STRYDE's millionth node was delivered to the market

Q2 - 2026
STRYDE releases new Halo node family (with in-field connectivity)

The world's smallest, lightest and most affordable seismic sensors

Low-cost and versatile

The lowest-priced seismic sensor on the market today, meaning seismic is no longer a product exclusively for the oil and gas market.

Reduced opex and capex

Reduced equipment costs and unrivalled seismic survey operational savings enabled by smaller crews, fewer vehicles and simpler logistics.

Reduce HSE risk

Exposure to HSE risks are minimised through surveys conducted with STRYDE, which require fewer personnel, vehicles, and reduced line clearing, and the crew carrying lighter equipment.

Built for a multitude of environments

With an operating temperature range of -30 C to +70 C, in a fully sealed casing with no external connectors, the node can be easily deployed in harsh conditions across a wide range of different terrains.

Lower environmental impact

Fewer vehicles in the field, smaller camp size, and being able to deploy nodes easily by foot results in the elimination of tree cutting for receiver lines, lower emissions and less disruption to the surrounding area.

Rapid charge and data download time

STRYDE's innovative charge and download solution allows rotation of large volumes of nodes at an unprecedented speed.

Faster surveys

Deploy equipment faster than ever before and unlock fast-track data processing through high-trace-density and STRYDE Lens™.

Miniature and agile

129x41mm, weighing in at 183g – simplifying seismic operations, logistics and cost.

STRYDE HALO

The complete solution for land seismic exploration

STRYDE's Halo family of nodes represents the next leap forward in land seismic recording, combining an evolution in piezoelectric sensor performance with enhanced electronics and next-generation firmware, to deliver the lowest-noise accelerometer for onshore seismic acquisition without compromising on node size, weight, cost or autonomy.

The Halo family includes three types of seismic node, each designed for a specific role while working seamlessly together, and all engineered to deliver consistent data quality, enhanced reliability, and an extended bandwidth (0.5–200 Hz) for high-fidelity acquisition in any onshore environment.

Scan to view node specs

The HALO family:

Halo Classic

A fully autonomous node designed for efficient deployment across surveys of any size, delivering dependable, high-quality data at the lowest possible cost.

Halo Connect

Features integrated radio communications for in-field node health QC, allowing issues such as sensor tilt, bad GNSS and external noise to be quickly identified and resolved, while still maintaining STRYDE's industry-leading 50 days battery life.

Halo Chrono+

Equipped with high-precision dual-clock technology and integrated radio communications for wireless QC, this node delivers enhanced timing accuracy when working in GNSS-challenged environments such as dense canopy and swamps, ensuring data integrity even in the most demanding conditions.

Sensor type	1C Piezoelectric Accelerometer
Bandwidth (-3dB)	0.5–200 Hz
Memory	8 GB, 16GB
Weight	183g
Dimensions	Ø 41 mm x L 129 mm

Node deployment equipment

STRYDE has designed a suite of node deployment equipment to enable efficient and effective deployment of the STRYDE Nodes™.

Spikes

It is recommended to fully bury and cover the node for optimal performance. When this is not an option, due to the terrain we can supply zinc-plated steel spikes in lengths of 50, 75, and 125 mm which can be attached to the basal slot of the STRYDE Node™.

Navigator tablet

A state-of-the-art handheld, field positioning system for efficient Node deployment and retrieval. Each field team requires a Navigator Tablet to deploy and retrieve STRYDE Nodes™.

Deployment backpack

An aluminium-framed backpack for ergonomic deployment operations, carrying up to 90 nodes in Magazine Strips, Initialisation Device, Navigator Tablet plus optional Rope Spool and external GNSS antenna mount.

Initialisation device

A handheld device providing a communications link between the STRYDE Navigator App and STRYDE Nodes™, enabling nodes to be deployed and retrieved effectively. It is recommended that each field team carries a spare Initialisation Device. Supplied with a silicone Protective sleeve.

Geoscience Manager - DNO

OIL AND GAS

"Most onshore seismic surveys by DNO have used cabled geophones to record seismic data and in my experience, a similar survey of this size and complexity using cabled receivers would have taken 2-3 times as long to complete. I very much doubt we will ever use cabled systems again!"

Chief Research Scientist - Realtimeseismic

GEOTHERMAL

"Before STRYDE, there were compromises on survey geometry and seismic quality. Our geothermal clients are incredibly happy with the results they're seeing, STRYDEs technology is taking away much of the risk they would traditionally face."

STRYDE QC Software

Developed by seismic field-experts for seismic field-experts, SurveyQC and SeismicQC are industry-leading software solutions designed for seamless planning, efficient management, and rigorous quality control of onshore 2D and 3D nodal seismic surveys.

Scan to find out more

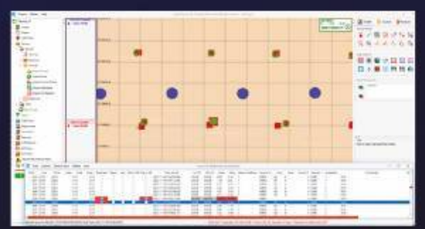
SurveyQC

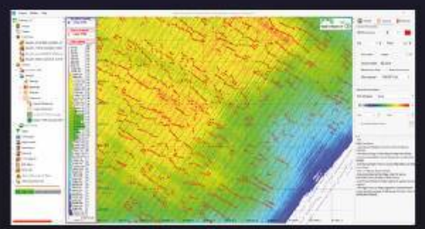
SurveyQC is the premier software for planning and managing onshore 2D and 3D nodal seismic surveys.

It offers easy interoperability with other GIS and surveying software and tools, bringing together all the technical and cultural data required to plan and execute an effective and efficient land seismic campaign.

SurveyQC features extensive receiver and source QC functionality tailored to the needs of seismic field observers, surveyors and geophysicists using the STRYDE nodal receiver system.

The software is modern, performant and scalable, and capable of handling even the largest nodal surveys with one million or more channels.



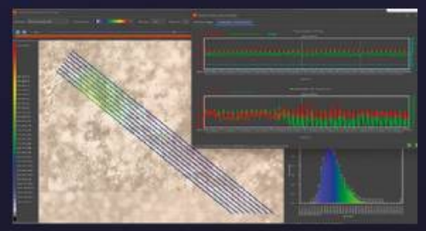


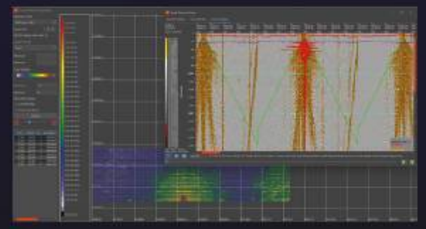
SeismicQC

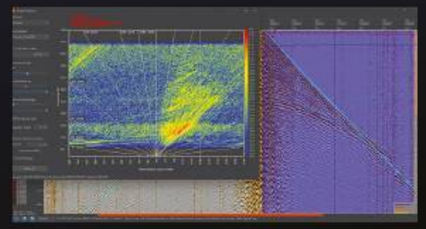
STRYDE's SeismicQC software enables fast and effective QC of nodal seismic datasets, whatever the size.

Developed specifically for use with STRYDE's nodal acquisition system, SeismicQC provides comprehensive functionality for visualization and analysis of continuous seismic records, as well as receiver and source gathers.

The software is built to handle even the largest nodal surveys requiring one million or more channels using high-productivity source techniques, enabled by its modern, scalable, and performant architecture.







Node receiver systems

To maximise overall efficiency for clients and maintain a price advantage for all sizes of seismic surveys, we offer three separate node receiver systems that enable rapid rotation of high-channel counts using scalable charging and harvesting units, each tailored to specific client bases and industries.

Mini System™

The Mini System is STRYDE's smallest and most portable system, using a laptop rather than a large server unit.

- Supports up to 1,500 nodes.
- Capable of charging and harvesting 540 nodes per day.
- Extremely portable and easy to store.
- Only available to purchase.

Nimble System™

A low-cost, agile, and fully portable system, which can manage up to 30,000 nodes.

- Easily housed or transported in vehicles.
- Ideal for working in remote locations or installed in offices or warehouses.
- Capable of charging and harvesting up to 3,240 nodes per day.
- Our most versatile system, suited to 2D surveys and 3D seismic surveys, across all industry sectors STRYDE serve.

Pro System™

A customizable containerized seismic system designed to manage up to one million nodes, offering unmatched scalability and flexibility for diverse project needs.

This modular system provides scalable hardware for efficient camp operations (node cleaning, charging, and data harvesting), enabling cost-effective, high-density, and large-scale seismic surveys at speed.

- Daily roll rate of 20,000 STRYDE nodes with a single MNDU container or 40,000 nodes with dual MNDU containers for nodes deployed for 28 days. Higher roll rates for shorter node deployments.
- Industry-leading HSE and operational efficiency achieved by eliminating manual handling of individual nodes in camp.

The Mini System™

Tailored for clients in academia and civil engineering, the Mini System™ includes:

- Up to 1,500 STRYDE Nodes™
- One Nest Case for charging and harvesting
- Laptop based server and data harvesting system
- Node deployment equipment
- Intuitive navigation app for efficient stakeless deployment
- Software for system operation, including QC

Up to

540

nodes can be rotated every 24 hours by just one operator

Staff Member - Rice University

RICE UNIVERSITY

GEOTHERMAL

"This survey was the highest in density and channel count ever conducted by our team. Achieving our desired trace density within our time and labour constraints would not have been possible without STRYDE's agile nodes.

The lightweight nature of these nodes marked a significant advancement for us, allowing for high-density deployments on foot, even in rough terrain. Our team was thoroughly impressed with the STRYDE system, particularly valuing the integrated node deployment backpack, navigation tablet, GPS unit, and node initialisation device, which greatly enhanced the efficiency and effectiveness of our deployment process."

The Nimble System™

What's included:

- Up to 30,000 STRYDE Nodes™
- Up to six Nest Cases for charging and harvesting
- Workstation and server
- Node deployment equipment
- Intuitive navigation app for efficient stakeless deployment
- Scalable software for system operation, including QC
- In-field processing hardware (STRYDE Lens™) built-in

1 The STRYDE Nodes™

STRYDE Nodes™ are supplied in multiples of 90.

2 Nimble Nest Case

Portable flight cases containing hardware to simultaneously charge and harvest up to 3,240 STRYDE Nodes™ in six Nests, every 24 hours.

3 Nimble System Case

Portable server and data storage required for channel counts of up to 30,000 STRYDE Nodes™.

4 Workstation

Contains bespoke software for efficient seismic survey field operations, data harvesting, and quality assurance, enabling data and metadata quality control, and nav-merged data outputs.

Up to

3,240

nodes can be rotated every 24 hours by just one operator

CEO - Polaris Natural Resources

OIL AND GAS

"Until very recently, all of these projects were completed using bulky 'cabled' seismic systems, and these systems required larger acquisition teams, many more vehicles and also resulted in a greater environmental impact for ground access. Project risk existed because these many kilometers of cable and geophone arrays that were deployed on the surface had to be in constant communication. If a cable was broken, the crew was down.

We know the STRYDE system is always listening. We are able to focus on generating energy signals, confident that our data is being captured. From a data quality standpoint, these small nodes have allowed us to increase the density of receiver locations on the ground by four to five times.

This increased density of receivers sharpens the images we collect and results in better data for our clients. This project represents one of the lowest environmental impact solutions possible for seismic operations."

The Pro System™

What's Included:

- Mobile Node Download Unit (MNDU)
- Mobile Node Cleaning Unit (MNCU)
- Node technology and peripherals
- Mobile Node Recording Unit (MNRU)

The Mobile Node Download Unit (MNDU)

1 The STRYDE Node™
STRYDE Nodes™ are supplied in multiples of 90.

2 Nest Racks
Each container accommodates up to six Nest Racks, enabling high-efficiency, large-scale seismic operations with spread rotation rates of up to 20,000 channels per day. For even greater capacity, two MNDUs can be operated simultaneously, allowing up to 40,000 channels to be rolled daily.

3 Motorised Lift System
An ergonomic motorised lifting system to allow a single operator to safely handle magazine trays in and out of the node test system and charging and harvesting racks.

4 Rollerbench
Rollerbenches are provided to enable efficient movement of nodes into and out of the container.

5 Node Test System
A node test system is provided for periodic testing of nodes to ensure equipment health.

20,000
nodes can be simultaneously charged and harvested in a 24-hour shift

40,000
nodes can be cleaned every 24 hours by just one operator

The Mobile Node Cleaning Unit (MNCU)

The node cleaning container is equipped with a dedicated cleaning area and fitted with ergonomic lift, washing and drying stations, racks and air-conditioning.

This allows up to 40,000 nodes to be cleaned per 24 hours with pure water without soap, detergent, or cleaning chemicals, simplifying disposal of soiled wastewater and allowing filtered water to be reused.

The Mobile Node Recording Unit (MNRU)

A dedicated container housing recording system hardware (workstation, servers, and data storage) and a soundproofed and air-conditioned operator room that provides a comfortable environment for system monitoring, data management, and QC tasks.

CEO- Invictus Energy Ltd

OIL AND GAS

"The use of STRYDE Nodes™ resulted in the acquisition of an incredible seismic dataset. The amount of data gathered is approximately 200 times greater than the previous survey carried out by Mobil in 1990 and results from processing and interpretation are shedding new light on the petroleum potential of the Cabora Bassa basin."

Data processing

STRYDE's land processing solutions consistently deliver significant time and cost savings to clients, allowing them to make decisions faster than ever before.

Processing solutions offered by STRYDE:

- Fast-track processing
- Near-surface models
- Full production PSTM
- Rapid PSDM
- Field processing using STRYDE Lens ™
- Advanced QAQC
- Comparative studies
- Passive seismic processing

Proven results

Data processing a high-density 60km line on a 2D survey in Africa

STRYDE Processing	Competitor Processing
3 Weeks	12 Weeks

What gives STRYDE the competitive edge?

- A highly experienced team with a depth of experience in single sensor land seismic processing.
- State-of-the-art processing software using modern algorithms and fast workflows, strengthened by development of in-house algorithms. Unrivalled knowledge of STRYDE data and the right workflows to rapidly process high-density seismic datasets.
- STRYDE has an in-house high-performance computing cluster in Oslo, Norway, and options for a dynamic cloud extension.
- STRYDE Lens™ is the only in-field processing solution in the market that utilises the same hardware used in the acquisition.

STRYDE LENS™

Providing faster access to subsurface images for quicker decision-making by processing seismic data in situ.

STRYDE Lens™ is an integrated processing solution that temporarily converts the STRYDE acquisition system into a processing environment that can be accessed remotely by our team of processing experts. This ensures data remains in the country it was acquired in, while being efficiently processed by highly experienced specialized professionals.

Processing with STRYDE Lens™ can start as soon as the 1st batch of data is collected in the field, without the need to wait until the seismic survey is completed, also removing the added delay linked to data copy and transfer. This will allow a head-start on the processing sequences which significantly accelerates the timeline of the final products.

Compared with conventional processing methods, STRYDE Lens™ can unlock significant data processing time savings on both 2D and 3D data:

Up to
80%
reduction on field style processing time

Up to
75%
reduction on conventional style processing time

Head of Exploration
Department – DTEK Oil&Gas

OIL AND GAS

"We were amazed to receive fully processed and migrated seismic volumes within just two weeks of concluding our seismic survey in Ukraine.

This was followed by a refined product two weeks later based on analyst's and interpreter's feedback. Surprisingly, the quality of the Lens™ image rivalled that of the conventional processed image that was concurrently being progressed and took four months to deliver.

During a critical phase of our drilling program, this rapid delivery was instrumental. The detailed structural insights provided by the STRYDE Lens™ image enabled us to swiftly pinpoint optimal drilling locations and move the drilling equipment to the relevant location much earlier than expected."


STRYDE
Making high-definition onshore subsurface imaging accessible for any industry
Represented worldwide, STRYDE ensures efficient customer fulfillment through strategic hubs that streamline logistics and enhance service delivery.
Contact us:
www.stryde.io
Scan to find out more