



EDITION 15 • 2025

KEY EQUIPMENT

MERRY
CHRISTMAS

YEAR HIGHLIGHTS

The Year In Action: The Year Of Partnerships And Progress.

Page 2 - 5

MINING SOLUTION

Explore Our Complete Mining Solutions.

Page 6

MATERIAL ANALYSER

Discover Our Innovative New Solutions.

Page 22

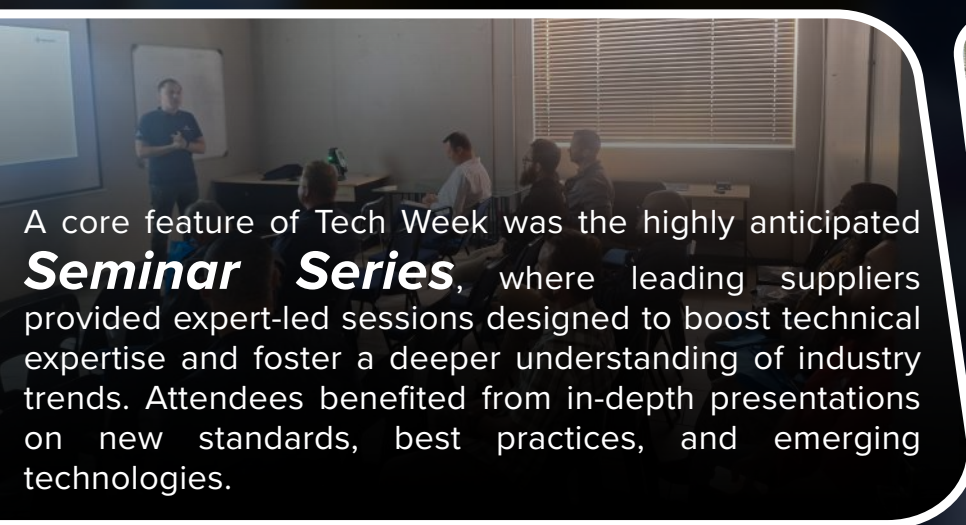


YEAR HIGHLIGHTS

TECH WEEK 2025



From May 13th to 15th, 2025, the industry buzzed with excitement as we proudly hosted our vibrant Tech Week. The event kicked off with a remarkable **Supplier Exhibition**, where cutting-edge technology was on full display. Leading suppliers presented their most advanced equipment and services, giving our customers and experts a first-hand look at the innovations shaping the future.



A core feature of Tech Week was the highly anticipated **Seminar Series**, where leading suppliers provided expert-led sessions designed to boost technical expertise and foster a deeper understanding of industry trends. Attendees benefited from in-depth presentations on new standards, best practices, and emerging technologies.

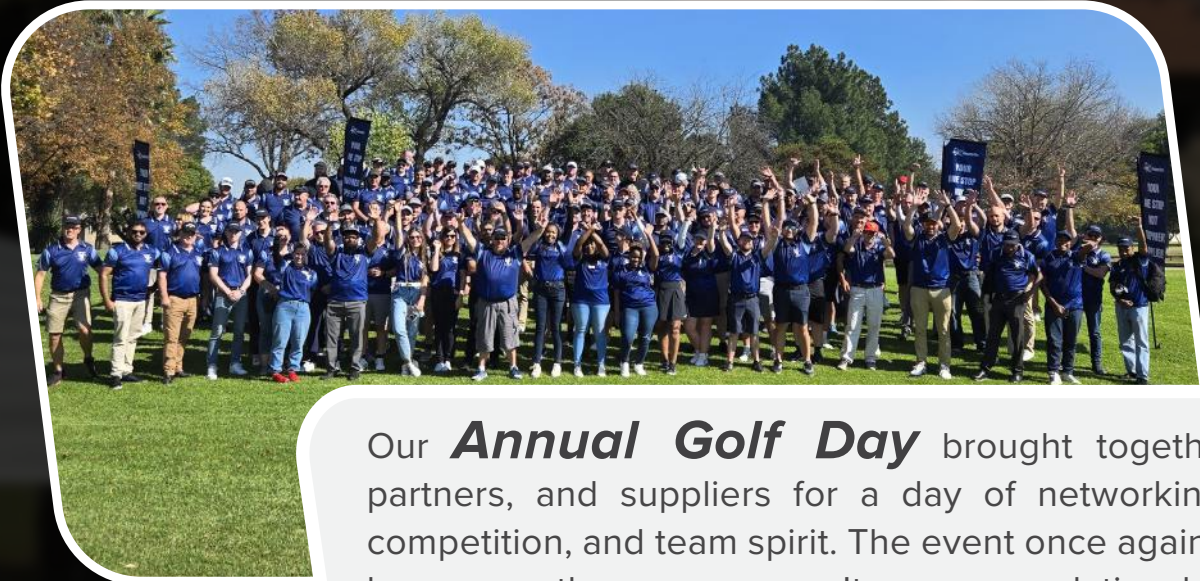


Tech Week wasn't just about innovation; it was also about showcasing talent! The **Technical Competition** was a major highlight, with experts going head-to-head in a true display of skill and precision. The level of competition was impressive, demonstrating the high caliber of expertise within our community.

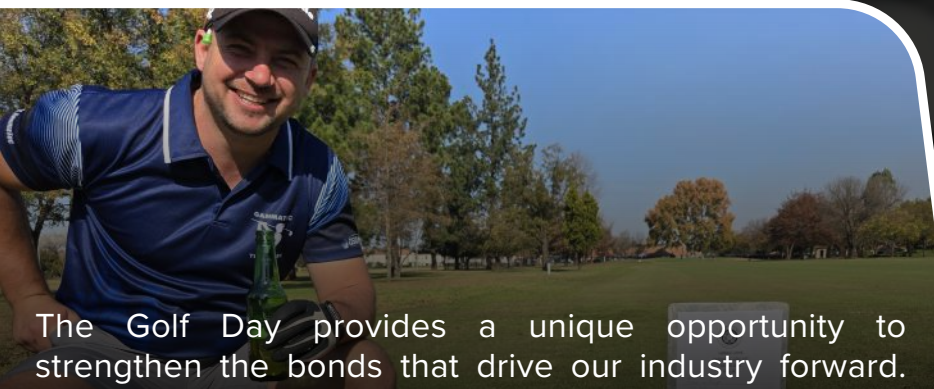
“We extend a massive congratulations to all who participated, especially our champions, who stood out with their exceptional skills.”



GOLF DAY 2025



Our **Annual Golf Day** brought together clients, partners, and suppliers for a day of networking, friendly competition, and team spirit. The event once again proved to be more than a game. It was a relationship-building experience that united the industry in a relaxed and enjoyable setting. With great energy, laughter, and strong brand representation, the day reflected the positive culture we continue to build.



The Golf Day provides a unique opportunity to strengthen the bonds that drive our industry forward. Away from the boardroom and the technical challenges, participants enjoyed valuable face-to-face time, fostering **Deeper Connections** that extend beyond the business transaction.



The true highlight of the day was our dedicated **Charity Drive Raffle**, emphasizing our commitment to giving back to the community. Through the generous participation of all our guests, partners, and suppliers, the raffle was a resounding success.





EXHIBITION

3 - 4 Sept '25

ANGOLA OIL & GAS CONFERENCE

Centro de Convenções Talatona
Luanda, Angola.

15 - 19 Sept '25

MINING & TECHNICAL EXHIBITION (MTE)

15 Sept Kalumbila Zambia
17 Sept Solwezi Zambia
19 Sept Kitwe Zambia

We had an incredible time at the MTE Show in Limpopo, Steelport, and Mpumalanga, Ngodwana (7th Aug). Where our specialists, Phendile Ngunyula, Julie van der Merwe and Alfred Kelly-Gliddon, showcased why Gammatec is "Your One Stop NDT Equipment Supplier!"

31 July '25

MINING & TECHNICAL EXHIBITION (MTE)

Limpopo, Steelport

We are proud to be part of UJ's 100 Years of Mining Education celebration, where Jan-Albert Viljoen and Alfred Kelly-Gliddon showcased Gammatec's top-tier mining equipment.

22 Aug '25

UJ MINING SUMMIT

UJ, Johannesburg



EXHIBITION



From **3 to 5 February** our team was a key presence at the highly influential **Mining Indaba Exhibition**. This major industry gathering provided a vital platform to connect with key stakeholders, regulatory bodies, and industry innovators from across the region. Our representatives engaged in high-level discussions focusing on current challenges and showcasing how our solutions contribute to operational excellence.

DEMOS

Throughout the year, ***Our Experts*** have been on the move, travelling locally and across various countries to host a series of insightful, ***On-Site Technology Demonstrations***. These sessions are crucial for bringing cutting-edge equipment directly to our clients, ensuring they stay ahead of the curve in operational efficiency and safety.





COMPLETE MINING SOLUTION



DRONES

Access Hard-to-Reach Areas – Navigates confined spaces like stopes, ore passes, and conveyor belts without endangering personnel.

LiDAR 3D Mapping – Generates precise 3D models of mine tunnels, enabling better planning, structural assessments, and volume calculations.

[Explore Solutions](#)

ULTRASONICS

Advanced Phased Array & TFM – Provides high-resolution imaging for defect detection in welds, composites, and complex materials.

Powerful Data Processing – Faster, more detailed inspections with real-time imaging and reporting capabilities.

[Explore Solutions](#)



HARDNESS

Fast & Accurate Measurements – Uses advanced Leeb rebound technology for precise hardness testing.

Versatile Application – Suitable for metals, large components, and rough surfaces.

[Explore Solutions](#)

THICKNESS

Multiple-Echo Technology – Measures through coatings without removal, preserving material integrity.

High Durability – Shockproof, waterproof, and built for extreme industrial conditions.

[Explore Solutions](#)





FORTES

RUGGEDNESS SIMPLIFIED

The Exertus Fortes Projector has the ability to accept Iridium 192 sources or Selenium 75 sources. This projector incorporates design and safety features that make it flexible, compact & lightweight. The Projector is lighter than most of its competitors. It incorporates an improved source channel, based on a helicoidal design, which makes maintenance easier.

KEY FEATURES



USER FRIENDLY OPERATION



CAN ONLY BE LOCKED AND DISCONNECTED WITH SOURCE IN SAFE POSITION



ACCEPTS IR-192 OR SE-75



TUNGSTEN SOURCE CHANNEL



JUST 23KG WITH JACKET



COMPACT DESIGN



2 COLOUR SIGNAL SAFETY INDICATOR



AUTOMATIC SOURCE ASSEMBLY LOCKING MECHANISM



- The helicoidal design also allows smoother movement of the source assembly inside the device, making it easier for the operator and improving safety. The Exertus Fortes is ISO3999:2004 compliant.
- The exposure container and link type source assembly meet the requirements of ISO 3999: 2004 and IAEA SSR-6 (2018) as well as the surface and 1m ambient dose rate measurements required by these standards.
- The weight of the projector varies depending on whether the jacket is included or not. With jacket, it weighs 24.5kg, and without jacket, it weighs 21.6kg.
- The weight of the depleted uranium shielding is 14kg. The activity of the depleted uranium shielding is 4.7mCi (174MBq).
- The materials of construction for the projector include a tungsten source channel & labyrinth, DU shield, 300 series stainless steel housing, aluminium, brass, titanium, and an optional jacket made of polyurethane.

Explore Solutions





INDUSTRIAL ISOTOPES

SELENIUM 75 (SE.75)

Se.75 is increasingly used for radiography of piping butt welds between 5 and 30mm thick. The lower energy range produces radiographs with higher resolution and also makes the source useful in Close Proximity Radiography (CPR).

Distance from a 30Ci unshielded source to achieve 10 μ Sv/h at the barrier is 78m. This can be reduced to 1.5m with CPR Shielding.

Image Resolution



Half Life



Steel Penetration

30 mm

IRIDIUM 192 (IR.192)

Ir.192 is the most widely used source, mainly for radiography of piping butt welds between 10 and 90mm thick, as required by various Codes and Standards.

Distance from a 30Ci unshielded source to achieve 10 μ Sv/h at the barrier is 120m.

Image Resolution



Half Life



Steel Penetration

80 mm

COBALT 60 (CO.60)

Co.60 is used for heavy section (up to 200mm thick) radiography of pressure vessels and castings.

Distance from a 30Ci unshielded source to achieve 10 μ Sv/h at the barrier is 197m.

Image Resolution



Half Life



Steel Penetration

200 mm

- Isotopes are variants of a particular chemical element which differ in neutron number.
- All isotopes of a given element have the same number of protons but different numbers of neutrons in each atom.
- Gamma radiation sources, most commonly iridium-192, selenium-75 and cobalt-60, are used to inspect a variety of materials.
- The vast majority of radiography concerns the testing and grading of welds on pressurised piping, pressure vessels, high-capacity storage containers, pipelines, and some structural welds.
- Radioactive sources are manufactured, stored and loaded at specialised facilities. These facilities consist of hotcells, robotic arms, welding machines and ultrasonic baths.
- Sealed sources/ Isotopes are loaded into a "source assembly" (pigtail).



A TEAM WITH
OVER 25 YEARS
OF COMBINED EXPERIENCE



MULTIPLE MANUFACTURING
FACILITIES



SHIPPING TO OVER 60
APPROVED COUNTRIES

Explore Solutions





FILM

VS

DIGITAL

Radiographic testing can be performed using two primary methods: the traditional approach, which uses **photographic film** to capture images, and the modern method, which replaces film with digital detectors for **real-time image capture** and processing.



THE DIFFERENCE

Film Radiography	Aspect	Digital Radiography
Photographic Film	Image Capture	Digital detectors
Slow (manual chemical processing)	Processing Time	Fast (instant electronic processing)
Fixed high-resolution	Image quality	Adjustable, enhanced quality
Lower initial, higher recurring	Cost	Higher initial, lower recurring
Chemical waste	Environment Impact	Eco-friendly
Physical storage required	Storage	Digital, easily accessible

THE BENEFITS

Film Radiography

High Resolution: Offers excellent image detail, especially for fine defects.

Cost-Effective for Small-Scale Use:

Suitable for occasional testing with limited equipment investment.

Long-Term Storage: Physical films can be archived for decades.

Digital Radiography

Speed: Instant image capture and processing.

Enhanced Image Quality: Adjustable brightness, contrast, and zoom for better defect detection.

Eco-Friendly: No need for film or processing chemicals.

[Explore Film](#)[Explore Digital](#)



PORTABLE X-RAY SYSTEMS PACKAGE



X-RAY GENERATOR, DETECTOR AND SHERLOCK NDT SOFTWARE ALL IN ONE PACKAGE!

DIGITAL RADIOGRAPHY SOLUTIONS FOR NDT APPLICATIONS



Pair the **X-Ray generators** (**CP Series** or **CP Batteries**), with the **GO-SCAN detectors** and get:

- ✓ Sharp, clear, and high-quality images.
- ✓ Detailed defect detection such as cracks, corrosion and failing welds.
- ✓ Confidence in inspections – fast, reliable, and industry-proven results.



Sherlock NDT Software – The Perfect Link that connects seamlessly with the **CP Series portable X-ray generators** and the high-resolution **GO-SCAN digital detectors**.

- ✓ Intuitive & user-friendly touchscreen software.
- ✓ Real-time video acquisition for faster inspections.
- ✓ High-quality images + advanced enhancements.

[Explore Solutions](#)





NDT SOLUTIONS

MAPPING & GEOSPATIAL

Professional Multirotor Drone



X500
CHCNAV

A professional drone engineered for exceptional payload capacity and endurance. Equipped with advanced flight controls and high-precision positioning, it delivers superior maneuverability, stability, and flight performance.

[Explore Solution](#)

Handheld SLAM 3D Laser Scanner + GNSS RTK



RS10
CHCNAV

The RS10 integrates GNSS RTK, laser scanning, and visual SLAM technologies into one single platform. This fusion increases the efficiency and accuracy of both indoor and outdoor 3D scanning and surveying tasks. It gives surveyors the ability to work in areas with weak GNSS signals, providing unparalleled flexibility.

[Explore Solution](#)

Advanced LiDAR Data Processing Software



CoProcess
CHCNAV

A Groundbreaking, ATEX-Approved Instrument, With Dual Probe Capabilities. Using Either A Geiger Muller (GM) Or A Scintillator. The Instrument Enables Users To Monitor NORM (Naturally Occurring Radioactive Material) In All Conditions For The First Time.

[Explore Solution](#)

UAV LiDAR SOLUTIONS



AlphaAir 450
CHCNAV

The CHCNAV AlphaAir 450 is very likely the best UAV LiDAR solution with integrated Livox Avia. The AlphaAir 450 is a major breakthrough in the democratization of mobile mapping technology, allowing its use by non-professional users in the geospatial reality capture industry and to those who have never been able to access such technology before.

[Explore Solution](#)

Professional Airborne LiDAR+RGB System



AlphaAir 10
CHCNAV

A professional airborne LiDAR+RGB system designed to meet the demanding requirements of UAV LiDAR mapping and drone photogrammetry. This advanced solution integrates superior LiDAR technology with accurate GNSS positioning, IMU orientation, and a professional full frame orthophoto camera.

[Explore Solution](#)

Professional Airborne LiDAR+RGB System



AlphaAir 9
CHCNAV

An advanced aerial surveying solution that seamlessly integrates LiDAR and RGB sensors to meet the needs of professional UAV LiDAR mapping and drone photogrammetry.

[Explore Solution](#)



ROBOTIC CRAWLERS & TRACTORS

Vertical Pipe Crawler



VETOL
NEXXIS

A versatile, user-focused robotic inspection system designed to navigate vertical pipelines and integrate with a wide range of payloads. Utilizing fiber optic technology for reliable, high-bandwidth communication and power delivery, it supports various applications with customizable XTRAX materials (Steel, Aluminium, or Brass).

[Explore Solution](#)

Magnetic Surface Crawler



SNOWCAT
NEXXIS

A rugged, magnetic crawler designed for high-definition remote visual inspections (RVI) in challenging environments, including topside and subsea. Featuring a 360° tilt camera, powerful LED lighting, and intuitive Nexxis control software, it enables fast, high-quality inspections with real-time video and sensor data logging.

[Explore Solution](#)

Vertical Pipe Crawler



PANTHER
NEXXIS

A compact, modular pipe crawler designed for confined space and pipeline inspections, capable of navigating vertical and inverted ferrous surfaces with a magnetic attachment. It features full HD PTZ cameras, a 100m tether (extendable), and operates in pipes as small as 8".

[Explore Solution](#)

Nexxis Designed Software



JUICE BOX CONTROLLER
NEXXIS

This controller provides has a mouse and joystick that controls the function of the robotic crawlers allowing complete remote operation of the system. All sensor data is automatically logged during an inspection, and can be included with the final video (or still images) using the NCS 2.0 reporting software.

[Explore Solution](#)

Crawler Tracks



XTRAX Omni
NEXXIS

The XTRAX Omni is available in three premium material options: Aluminium, Brass, and Stainless Steel. Each material is carefully selected to provide the ideal balance of strength, durability, and performance for demanding inspection environments. Aluminium offers a lightweight and versatile solution, Brass delivers superior resistance in high-wear conditions, while Stainless Steel provides maximum durability for the toughest applications. This flexibility ensures that the XTRAX Omni can be tailored to meet the specific needs of any inspection challenge.

[Explore Solution](#)



RADIATION SAFETY

Contamination Monitor



NORM-IS
TRACERCO

A Groundbreaking, ATEX-Approved Instrument, With Dual Probe Capabilities. Using Either A Geiger Muller (GM) Or A Scintillator. The Instrument Enables Users To Monitor NORM (Naturally Occurring Radioactive Material) In All Conditions For The First Time.

[Explore Solution](#)

Contamination Monitor



T401
TRACERCO

The Robust Handheld Radiation Contamination Monitor Is Designed For Detecting And Measuring Radioactive Contamination. It's Reliable, User-Friendly, And Cost Effective. Featuring Operational Reliability, Direct Surface Activity Mode, And Peak Reading For Easier Monitoring.

[Explore Solution](#)

Intrinsically Safe Dose Rate Monitor



T202
TRACERCO

Radiation Dose Rate Monitor Is Designed For Intrinsic Safety And Reliability, Featuring Peak Dose Rate Memory For Key Operational Needs.

[Explore Solution](#)

Dose Rate Monitor



T402
TRACERCO

A Lightweight, Durable Handheld Monitor That Measures X-Ray, Gamma-Ray Dose Rate, And Peak Exposures. With A Quick Response Time And An Extended Range Up To 100 mSv/h (10 rem/hr).

[Explore Solution](#)

Personal Electronic Dosimeter & Survey Meter



PED+
TRACERCO

This Instrument Can Be Used As Both A Personal Radiation Dosimeter And A Handheld Dose Rate Survey Meter. It Has Several Additional Features, Such As GPS, Pop-Up, Message Alarms, And The Ability To Connect To Mobile Phones.

[Explore Solution](#)

Extended Range Personal Electronic Dosimeter



PED-ER
TRACERCO

A Rugged, Robust, Lightweight, And Easy-To-Use, Personal Electronic Dosimeter. Effectively Monitoring, Measuring, And Managing Radiation Exposure.

[Explore Solution](#)



RADIOGRAPHY

Bendable Digital Radiography System



HPX-ARC CARESTREAM

The HPX-ARC 1025 PH Digital Solution Is A Revolutionary, Bendable Digital Radiography (DR) Design. It Conforms To Various Objects On A Smooth Bendable Design And Quickly Delivers The High-Resolution Images You Need For Game-Changing Speed And Certainty.

[Explore Solution](#)

Portable Computed Radiography System



HPX-1 PLUS CARESTREAM

The HPX-1 Plus is ideal for a lab environment where high-resolution is critical with adjustable PMT and Laser Power to fine tune every image for optimum capture every time. The HPX-1 Plus also has the capability to handle extra-long plates – ideal for aerospace applications. Also accepts custom cut plates and rigid cassettes. 30% faster throughput on long saturated plates.

[Explore Solution](#)

Portable Computed Radiography System

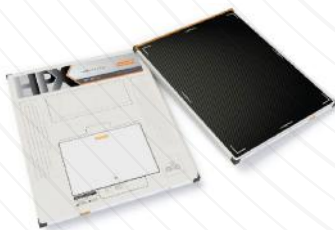


HPX-PRO CARESTREAM

The HPX-PRO Portable Digital System is designed for high throughput digital imaging in rugged NDT environments. Lightweight and portable, it can be set-up in less than 5 minutes and process a weld in up to a minute, producing high-quality digital images for quick analysis and rapid final reporting.

[Explore Solution](#)

Digital Radiography Detectors



HPX-DR NON GLASS CARESTREAM

The HPX-DR 3543 PE Non-Glass Detector Incorporates A Tougher Material Instead Of Glass For Maximum Durability Against The Rigours Of NDT Field Work.

[Explore Solution](#)

Gamma Radiography Projector



EXERTUS FORTES GAMMATEC

The Projector has the ability to accept Iridium 192 sources or Selenium 75 sources. This projector incorporates design and safety features that make it flexible, compact & lightweight. The Projector is lighter than most of its competitors.

[Explore Solution](#)

Gamma Radiography Projector



EXERTUS CIRCA OSERIX

This projector range is a new generation of close proximity tungsten shielded gamma radiography projector - it has the ability to accept Selenium 75 sources. These Projectors can be used for either normal radiography methods or for radiography where close proximity work is needed.

[Explore Solution](#)



RADIOGRAPHY

Digital X-ray Imaging System



GO-SCAN
TELEDYNE ICM

High Definition, User-friendly, Light-Weight, Real-time Feedback And Shock Absorbing! By Focusing On The End-User As The Starting Point Of This Incredible Collaboration, Teledyne Created A High-Tech Digital X-ray Solution Entirely Designed Around You!

[Explore Solution](#)

Real-Time Portable X-ray Imaging System



C-VIEW
TELEDYNE ICM

Go-Scan C-View Is A Lightweight Ruggedized Real-Time X-Ray Imaging System Specifically Designed For Hand-Held Inspections Such As Corrosion Under Insulation (CUI) Inspection.

[Explore Solution](#)

Bendable Portable Digital Radiography Detectors



GO-SCAN 1025B / 1043 B
TELEDYNE ICM

The Go-Scan 1025B and 1043B feature a pixel pitch of 99 μm , delivering exceptional image clarity and detail for high-resolution imaging. NDT operators can select between wireless or cable connectivity, tailored to their specific operational needs. These battery-operated detectors are versatile: they accommodate X-ray energy ranges from 40 to 450 kV and are compatible with gamma rays.

[Explore Solution](#)

Portable X-ray Generators



CP SERIES
TELEDYNE ICM

Teledyne ICM's CP SERIES has been designed with a view to revolutionizing the handling and performances of portable X-Ray sets. CP SERIES generators feature a shutter, a laser pointer, a beryllium window, an aluminum filter, and two integrated diaphragms (customized sizes are available upon request).

[Explore Solution](#)

Close Proximity Gamma Radiography System



VIDEO

<https://www.youtube.com/watch?v=A4GHkcYOE2g>

[Explore Solution](#)



SHORT RANGE ULTRASONIC

Quantitative Short Range (QSR) Technology



QSR1®
GUIDED ULTRASONICS

The QSR1® device incorporates the latest guided wave Quantitative Short Range (QSR) Technology and hardware. The QSR1® moves axially along the top of the pipe, sending guided waves around its circumference to generate a thickness profile of the area of interest. The system provides a quantitative measure of the average wall, as well as the remaining pipe Wall Thickness Testing.

[Explore Solution](#)

Extension Of The QSR1®



QSR® AXIAL SENSOR
GUIDED ULTRASONICS

Axial QSR® is the extension of the QSR1® concept to cover those cases when we need to scan the pipe from a different direction than QSR1®. The Axial QSR® scanner is a low-profile device designed to fit snugly into tight spaces near pipe supports and in pipe racks. It moves circumferentially around the pipe, sending waves axially along the pipe.

[Explore Solution](#)

LONG RANGE ULTRASONIC



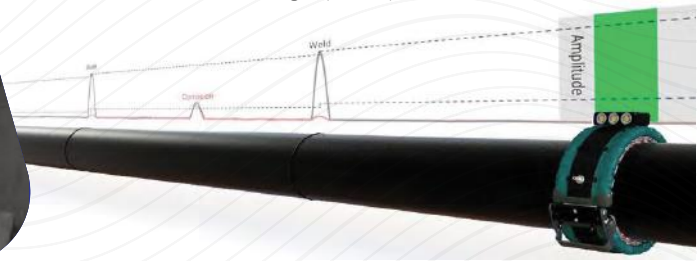
Wavemaker®
GUIDED ULTRASONICS

The Wavemaker® System is the most powerful and reliable long-range guided wave screening equipment in the market. An efficient solution for many inspection challenges.

KEY APPLICATIONS

- ▶ In-service inspections
- ▶ Difficult-to-access piping
- ▶ Inspection under Insulation (CUI)
- ▶ High-Temperature Piping Inspection
- ▶ Buried or Road-Crossing Pipe Inspection

[Explore Solution](#)





ULTRASONIC TESTING

Phased Array Ultrasonic Flaw Detector



VEO 3 SONATEST

Retaining The Best Features Of The Established Veo Line, The New Veo3 Now Offers A PCAP Touch Interface, User Templates, And More Importantly, Live TFM.

[Explore Solution](#)

Digital Ultrasonic Flaw Detector



WAVE SONATEST

Introducing WAVE By Sonatest. It Integrates The Latest Technologies Available To Create A Revolution In The Ultrasonic Non-Destructive Testing Equipment Market.

[Explore Solution](#)

Conventional Ultrasonic Flaw Detector



D50/D70 SONATEST

The Sitscan D-50/D-70 Offers The End User An Entry Level Broadband Flaw Detector In The Popular And Portable Casing Of The Established D-Series.

[Explore Solution](#)

Intrinsically Safe Ultrasonic Thickness Gauge



1-EX CYGNUS

Designed For Taking Reliable Thickness Measurements In Zone 0 Explosive Atmospheres And Boasting Advanced Data Logging And Manual Measurement Mode. The Cygnus 1 Ex Features 3 Measuring Modes For Through-Coat Measurements And Various Materials, Including Heavily Corroded Metals.

[Explore Solution](#)

Motorised Weld Scanner

SAWBUG PHOENIX ISL

VIDEO

[Explore Solution](#)



POST-WELD HEAT TREATMENT

6 Channel Low Voltage Heating Unit With Set Point Control



50 KVA & 65 KVA 6 UNITS

The 50 KVA & 65 KVA heat treatment unit has been robustly constructed to provide power to electrical resistance heaters at 60 volts to 80 volts, suitable for site and shop working.

[Explore Solution](#)

Hybrid Memory Recorder



DIGITAL RECORDER

A hybrid recorder which employs bright and clear, easy to view LCD display. Measuring value display is prepared as 1 point display, multi-points simultaneous display and digital display + bar graph display.

[Explore Solution](#)

Hybrid Memory Recorder



THERMOCOUPLE ATTACHMENT UNIT

The standard unit is operated from a rechargeable battery – several hundred welds can be made before a re-charge becomes necessary using the 110V AC connection to the heat treatment transformer.

[Explore Solution](#)

CONSUMABLES AND ACCESSORIES



CERAMIC PAD

[Explore Solution](#)

CERAMIC BLANKETS

[Explore Solution](#)

CHART PAPER

[Explore Solution](#)

CAMLOCKS, PINS & SLEEVES

[Explore Solution](#)

THERMOCOUPLE WIRE TYPE K CABLES

[Explore Solution](#)

THERMOCOUPLE CONNECTORS

[Explore Solution](#)



ACOUSTIC EMISSION TESTING

VALVE SENSE

Mobile Acoustic Emission Valve Leak Detection System

- A smart and mobile inspection system for leak detection in valves.
- Inspect valves while process is in operation.
- Automated results immediately on site.
- All inspection data is structurally stored in a platform.
- The software guides you step-by-step on where to measure on the valve, ensuring accurate data collection.
- Advanced algorithms instantly determine if a valve is leaking and utilize AI models to estimate leak size.
- Generate customized reports instantly, aiding in maintenance decisions and action plans.

[Explore Solution](#)



SORAMA CAM iV64s

Handheld Acoustic Camera that Detects, localizes, and visualizes both audible and ultrasonic leaks.

Gas and air leaks can disrupt operations, waste resources, and compromise safety, but detecting them can be challenging without the right tools. The Sorama CAM iV64s acoustic camera tackles this problem head-on with real-time ultrasonic leak detection.

- A simple interface and automatic settings make it intuitive.
- Its compact design allows quick, efficient movement between tasks.
- Visualize sound as heatmaps, quickly identifying issues and act.
- Accurate leak inspection despite the weather.

[Explore Solution](#)



HARDNESS TESTING

Ultrasonic Contact Impedance Hardness Tester



EQUOTIP 550 UCI PROCEQ

Unmatched versatility owed to HV1, HV5, and HV10 test loads in a single probe. This instrument is Patent-pending adjustable test load for higher accuracy on a wide range of applications.

[Explore Solution](#)

Portable Leeb Hardness Tester



EQUOTIP PICCOLO 2 PROCEQ

Fully integrated and handy Leeb D/DL hardness tester with a compact and robust housing. Ideally suited for quick on-site hardness tests. Compact housing and automatic angle correction allow flexible use and can be automated (Piccolo 2 only).

[Explore Solution](#)

Wireless Ultrasonic Contact Impedance Hardness Tester



EQUOTIP LIVE UCI PROCEQ

Ultra-portable UCI probe with cloud connectivity built into modern IoT ecosystem with enabled data back-up, instant evaluation, and data sharing. Access your data from anywhere, anytime.

[Explore Solution](#)

Portable Rockwell Hardness Tester



EQUOTIP 550 ROCKWELL PROCEQ

The only portable measurement method boasts no minimal thickness limitation, ideal for thin metal sheets and various materials, offering reliable, accurate, and standardized results at a faster pace than stationary Rockwell hardness testers.

[Explore Solution](#)


Leeb Rebound Hardness Tester



EQUOTIP 550 LEEB

Comes with the most complete probe portfolio, the broadest material conversion tables including Proceq's research, and the world's widest standard conversion.

[Explore Solution](#)


EQUOTIP 550 (Platform Only)

- Swiss quality, accuracy, and reliability
- combined with powerful software features
- The World's broadest selection of probes and conversion tables
- A fully rugged casing and long-lasting probe

[Explore Solution](#)



ELECTROMAGNETIC



INTRON PLUS INTROS

MFL FLAW DETECTOR FOR
STEEL WIRE ROPES

The INTROS system offers several key features that make it highly effective for inspection tasks. It is fully compliant with ISO, IMCA, EN, and ASTM standards, ensuring reliability and global acceptance. With multiple data channels, including LMA and LF, it supports comprehensive data acquisition.

KEY APPLICATIONS

- Wire rope inspection (diameters from 6 mm to 175 mm)
- High-speed rope monitoring (up to 4 m/s) for elevators, cranes, cable cars, etc.
- LMA detection for wear and corrosion in bridges, ropeways, and suspension systems
- Wire break detection in mining shafts, construction hoists, and offshore rigs
- Operation in harsh environments (IP65/67) such as marine, industrial, and underground sites

[Explore Solution](#)

Magnetic Flux Leakage Tank Floor Scanner



TRUFLUX
BAUGH & WEEDON

A Groundbreaking Magnetic Flux Leakage (MFL) Tank Floor Plate Inspection System That Sets A New Standard In User-Centric Design. Combining Cutting-Edge Features With Practical Functionality, The TruFlux Offers An Unparalleled Level Of Sophistication And Ease Of Use.

[Explore Solution](#)

Pulsed Eddy Current Testing System



PECT
MAXWELL

Ideal For Measuring Steel Thickness Without Having To Remove The Lagging, Coating, Deposits Or Marine Growth. Easy To Use, Robust, Reliable, And Ideal For Inspections On-Site.

[Explore Solution](#)

YOKES

Permanent Magnetic Yokes



PM2000/2004
GAMMATEC

The PM2000 Has A Fixed Handle With Articulating Legs While The PM2004 Has Fixed Legs With Interlinking Cable. Both Are Designed To Make It Easy To Work On Difficult Shapes.

[Explore Solution](#)

Electromagnetic AC Yoke



MY-2
GAMMATEC

A Low Cost, Portable Instrument Which Provides Fast And Accurate Defect Detection In Ferrous Metals.

[Explore Solution](#)



MATERIAL ANALYSER



NITON APOLLO

Handheld LIBS Analyser

Confidently perform elemental analysis with the Niton Apollo handheld LIBS analyzer. When carbon detection and mobility are top of mind, industrial businesses rely on the Niton Apollo analyzer for excellent performance and enhanced productivity. Identify low alloy/carbon steels and L and H grade steels. This analyzer transforms a traditional cart-mounted optical emission spectroscopy (OES) system into a highly portable, easy-to-use handheld analyzer.

APPLICATIONS

- Determine alloy composition and grade for a wide range of metallurgical samples
- Calculate carbon equivalency to determine piping weldability
- Prevent contaminated scrap from entering the supply stream
- Detect tramp and trace elements to meet regulatory standards
- Qualify Material Test Reports (MTR)

[Explore Solution](#)

General Metal Analyser



Niton XL2 100G
THERMO SCIENTIFIC

The XL2 100G analyzer is a practical, cost-effective solution that offers fast analysis for general alloy identification, basic fabrication, and scrap metal sorting. This high value, high performance analyser features advanced electronics yet it is ruggedly built to withstand the harshest environments, in the field or on the shop floor.

[Explore Solution](#)

Handheld XRF Analyser



Niton XL2 Plus
THERMO SCIENTIFIC

When durability, performance and productivity are top of mind, industrial businesses rely on the Niton XL2 Plus handheld XRF analyzer for fast results and low detection limits. Identify pure metals and alloys, or obtain geochemical data, the Niton XL2 Plus provides operators the ability to scan a broad range of materials in one versatile analyser.

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Handheld XRF Analyser



Niton XL5 PLUS
THERMO SCIENTIFIC

Confidently perform elemental analysis with the Niton™ XL5 Plus handheld XRF analyzer; it delivers unprecedented performance even for lightweight elements. Identify pure metals and alloys, detect tramp elements, or obtain geochemical data. Industrial businesses rely on the Niton XL5 Plus analyzer for more than just low detection limits.

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Geometrically Optimized Large Area Drift Detector



Niton XL3t GOLDD+
THERMO SCIENTIFIC

Industries from mining and exploration to scrap metal recycling depend on fast, accurate elemental analysis. The Niton™ XL3t GOLDD+ provides reliable, real-time data for sample identification and positive material identification for even difficult-to-analyze light elements, without helium purging or vacuum pumps.

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ELECTROMAGNETIC

Alternating Current Field Measurement Flaw Detector



ACE
ETHER NDE

ACE, Provides The End-User All The Functionality And Advantages Of Alternating Current Field Measurement (ACFMT) NDT Inspection Technology In A Lightweight, Rugged Instrument, Available With A Selection Of Standard Probe Designs, Developed And Manufactured In-House At ETHER NDE.

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Eddy Current Flaw Detector



WELDCHECK 3
ETHER NDE

Ideal And Adaptable Across An Extremely Wide Variety Of Eddy Current Inspection Tasks Due To Its Superior Performance. Including Weld Inspection, Surface Defect Detection, And Low-Frequency Inspection Of Non-Ferrous Material.

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Eddy Current Inspection System



STEELCHECK
ETHER NDE

A Battery Operated 3 Channel (Hall Sensor And 2 Coil) Tube Inspection Unit For Carbon Steel (Ferromagnetic Tubes) Using Magnetic Flux Leakage. It Is Unaffected By External Aluminium Fins And Has The Capability To Discriminate Between External And Internal Defects.

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Eddy Current Instrumentation



ETi - 300 / ETi - 350
ETHER NDE

Advanced Eddy Current Tube Testing Instrument Designed For Inspecting Non-Ferrous Tubing From The Inner Diameter (ID). These Devices Are Ideal For Demanding Environments, Delivering Outstanding Inspection Results And Reporting Functionality.

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Multifunction Eddy Current Flaw Detector



ETHERCHECK
ETHER NDE

A Combined Eddy Current And Bond Testing Flaw Detector. It Comes With A Rich Range Of Features Offered By The Best-In-Class Eddy Current Flaw Detector Combined With The Most Widely Used Acoustic Bond Testing Method And Pitch-Catch.

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Eddy Current Flaw Detector for Aerospace Applications



AEROCHECK 3
ETHER NDE

Based On Operator Feedback And Embracing The Use Of New Materials, The AeroCheck 3 Delivers To The End-User Enhanced Ruggedness, A Toughened Screen, Improved Connector Access And Performance, Combined With Optional Features Such As An Encoder Wheel.

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VISUAL INSPECTION

Confined Space Indoor Drone



ELIOS 3
FLYABILITY

The next-generation industrial inspection drone, combining collision-tolerance with state-of-the-art 3D mapping capabilities. Engineered specifically for complex and confined spaces such as boilers, pipelines, tunnels, and storage tanks. The Elios 3 minimizes human risk while maximizing data collection efficiency.

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Power Unit



TETHER POWER UNIT
FLYABILITY

This unit delivers continuous power for long, stress-free operations. By connecting to a wall outlet, generator, or compatible portable power station, it converts 100–240 V AC into high-voltage DC, delivered to the drone through a 50 m (164 ft) Kevlar®-reinforced cable. With steady power from the ground, pilots can eliminate mid-mission battery changes and stay focused on the inspection.

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Advanced Radiation Detection System



RADIATION SENSOR PAYLOAD
FLYABILITY

An advanced radiation detection system designed to integrate seamlessly with the Elios 3 drone. It provides real-time radiation mapping and measurement capabilities, enabling safe and efficient inspections in hazardous environments. This payload is ideal for applications in nuclear facilities, emergency response, and industrial inspections.

[Explore Solution](#)

Real-Time Flammable Gas Detection



FLAMMABLE GAS SENSOR PAYLOAD
FLYABILITY

With This Sensor Mounted On The Elios 3, Operators Can Reliably Detect +14 Flammable Gases (Including Hydrogen), Reducing Risks During Confined-Space Inspections. The Flammable Gas Sensor Requires No Field Calibration, Ensuring Continuous, Fail-Safe Operations In Even The Harshest Industrial Environments.

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High-Precision 3D Mapping and Surveying



SURVEYING PAYLOAD
FLYABILITY

Flyability's Surveying Payload Turns The Elios 3 Into A Flying Mobile Scanner That Can Fit Through Openings As Small As 50x50cm, And Create High-Resolution Scans Beyond The Line Of Sight, Allowing Industry Professionals To Provide Rapid Insights That Are Not Accessible With Traditional Tools Or Other UAV Technologies.

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Ultrasonic Thickness Measurement



UT PAYLOAD
FLYABILITY

A Comprehensive Solution, Combining A Visual Inspection Payload, An Embedded LiDAR Sensor, And A State-Of-The-Art UT Probe Into A Single Device. This All-In-One Approach Ensures Versatility, Covering A Wide Range Of Inspection Requirements With Unmatched Efficiency.

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ACCESSORIES AND CONSUMABLES

MAGNETIC PARTICLE



- White Background
- Black Ink
- Fluorescent Ink
- Cleaner
- Powder

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DYE PENETRANT



- Penetrants
- Developers
- Cleaner

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PHASED ARRAY



- Transducers
- Probe Cables
- Couplants
- Probes

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DARKROOM



- Industrial Film
- Processing Chemicals
- Film Cassettes

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ISOTOPES



- Ir-192 Sources
- Se-75 Sources
- Co-60 Sources
- Cs-137 Sources

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RADIOGRAPHY ACCESSORIES



- Penetrameters
- Land Marker Tapes
- Lead Letters/Numbers
- Film Cassettes
- Lead Intensifying Screens

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GET IN TOUCH!

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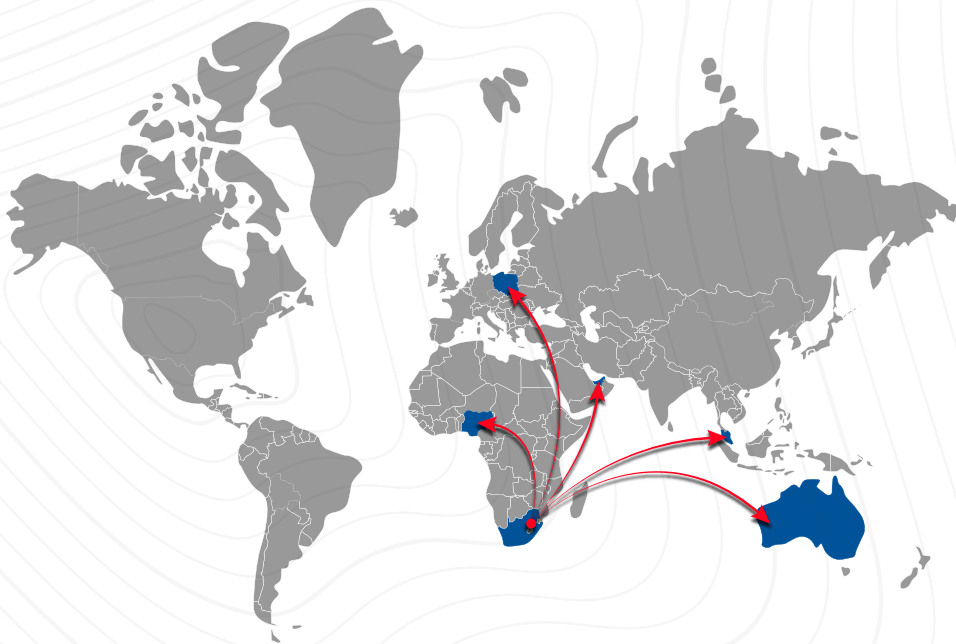
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ONE TEAM.**



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