



GAMMATEC
KEY EQUIPMENT
DECEMBER '24



HAPPY
HOLIDAYS

INTRODUCING THE
HPX-ARC
DIGITAL SOLUTION
GAME CHANGER
P.1





HPX-ARC 1025 PH DIGITAL SOLUTION

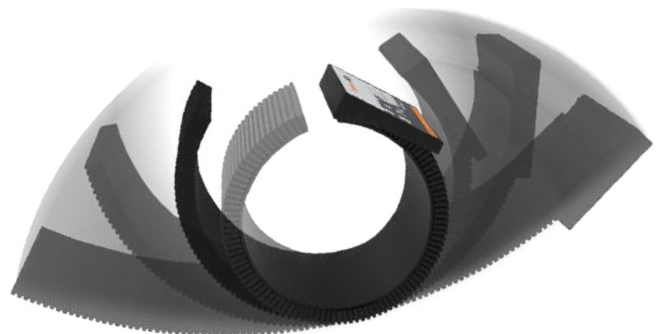
GAME CHANGER

REVOLUTIONIZE YOUR INDUSTRIAL INSPECTIONS



FEATURES

- ✔ **High Image Quality (98 μm):** Ensures better defect recognition and code compliance.
- ✔ **Compact Size:** Available in a 4x10 inch (10x25 cm) size with a slim profile, allowing it to image over and around objects, even in tight spaces.
- ✔ **Instant Image Access:** Provides rapid analysis capabilities.
- ✔ **Durable Design:** Built for the rigors of non-destructive testing (NDT) field inspection, featuring an IP67-rated enclosure.
- ✔ **Safety Enhancements:** Reduces radiation exposure and exclusion zone area.
- ✔ **Versatile Usage:** Compatible with both Gamma and X-ray sources.





HPX-ARC



REVOLUTIONIZE YOUR INDUSTRIAL INSPECTIONS

The **INDUSTREX HPX-ARC 1025 PH** is a **game-changing, bendable digital radiography (DR) design** set to transform the industry. This innovative solution conforms to various objects, delivering **high-resolution images** with unparalleled broadband certainty.

The HPX-ARC 1025 PH boasts superior image quality, **achieving an impressive 98 µm resolution**. This precise defect recognition enables users to comply with stringent industry standards, ensuring **accuracy and reliability**. Designed with durability, the HPX-ARC features a **robust IP67-rate enclosure**. This rugged design protects against water, liquids, and dust, making it the perfect solution for harsh environments.

The **INDUSTREX Digital Viewing Software** incorporates industry-leading image analysis tools, file sharing, and storage management features. The modular architecture is an **all-in-one software suite** that eliminates the need to purchase add-on modules for both CR and DR image acquisition.

The software platform was developed for ease of use to reduce operator training and equipment onboarding time, thus reducing the risk of error and increasing profitability.



EXPERIENCE THE NEXT LEVEL OF INDUSTRIAL INSPECTIONS WITH EFFICIENCY, QUALITY, AND SAFETY CONVERGENCE.







ETHER NDE

EDDY CURRENT SOLUTIONS



AERO CHECK 3

Features

-  Exceptional Battery Life
-  Rugged and Ergonomic Design
-  Wide Frequency Range
-  Conductivity Measurement

Experience the Best of Eddy Current Inspection

The AeroCheck 3 offers improved mechanical and ergonomic design delivering the best in Eddy Current performance, with rotary inspection capabilities as standard, together with a variety of advanced features. By incorporating operator feedback and leveraging new materials, the AeroCheck 3 provides enhanced ruggedness, a toughened screen, improved connector access, and performance. Optional features, such as an encoder wheel, are also available. With its dual-frequency capability, the AeroCheck 3 offers a frequency range of 10Hz to 20MHz, catering to a diverse range of real-world applications.

Rotary C-Scan Capabilities as Standard

The AeroCheck 3 includes rotary capabilities as standard and can be used with the ETHER Mercury (mini) ARD002, Hocking 33A100, or the Rohmann MR3/SR1 and SR2 Drives (with special adapter cable). The new high-resolution C-Scan feature gives an image of the inner diameter hole inspection. This image allows the individual layers in an inspected hole to be visualized. The data collected can be stored as a full data array with up to two frequencies.



[Enquire](#)



TELEDYNE ICM
Everywhereyoulook™

VIDEO

<https://www.youtube.com/watch?v=IB982bsF4Vg>

CP200B

Discover the CP200B, A Revolutionary Battery-Operated Portable X-Ray Generator

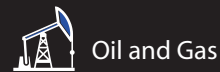
Designed to meet the evolving needs of industrial inspection professionals, the CP200B sets a new standard in lightweight, high-performance portable X-ray equipment.

Weighing only 13 Kg (28,6 lbs), the CP200B has an output voltage range spanning from 40 to 200 kV and a tube current range from 0.1 to 1.5 mA. Powered by a Dewalt® battery system, this all-in-one device has a duty cycle of 100% at 30°. Thanks to its small focal spot, the CP200B is the ideal partner for digital radiography.

Design for easy inspection

The CP200B is designed for effortless inspection with a rotating tank for optimal angles, an intuitive interface for easy control, wireless or wired, and rugged handles for ergonomic handling. V-shaped guard rings ensure stability and precision on pipes during inspections, enhancing overall efficiency and accuracy. Integrated with our Go-Scan detectors, our intuitive touch-screen software, Sherlock NDT, will help inspectors generate high-quality images.

NDT Applications



Oil and Gas



Aerospace



Welding



Enquire



VIDEO

<https://www.youtube.com/watch?v=YtATh7OVSA>

THERMAL RADIOMETRIC CAMERA



ELIOS 3

takes Thermal Imaging to New Heights! Introducing upgraded radiometric thermal imaging for precise temperature data, both in-flight and during post-processing.

In addition to the previous thermal video feed, you can now measure the absolute temperature of each pixel, offering new insights into potential issues such as hotspots, insulation gaps, and early signs of equipment failure that might otherwise go unnoticed.





COMPLETE MINING SOLUTION



DRONES



ULTRASONICS



HARDNESS



THICKNESS

OUR SOLUTIONS

PRODUCTION

- LEVEL GAUGES
- OPTIMUS
- HYPERION
- PROFILER
- NORM GAUGES
- RADIATION MONITORS

ENGINEERING

- HARDNESS TESTERS
- ULTRASONIC TESTING
- STEEL ROPE
- PIPE X-RAY

MAINTENANCE

- VALVE LEAK DETECTION
- PECT
- GUIDED WAVE
- UNDERCARRIAGE INSPECTION
- BOLT SCANNERS
- CONVEYOR PHASE ARRAY

CHEMICALS

- DEGREASER
- OIL REMOVERS
- ANTI SPATTER
- RUST REMOVER

SURVEYING

- UNDERGROUND DRONES

MONITORING SOLUTIONS

- SENSORS
- INSPECTION

Enquire



UPCOMING EVENTS



3 – 6 February 2025



CTICC, Cape Town

Join Gammatec at Africa's largest mining exhibition.

- **Production**
- **Maintenance**
- **Surveying**
- **Engineering**
- **Chemicals**
- **Steel Rope**
- **Monitoring Solutions**

Follow Us On Social Media To Stay Up To Date On Our Upcoming Events



ISOTOPE EMERGENCY STORAGE POTS



1 Channel Isotope Emergency Storage:

Compatible with Sentinel, Ir-100, Spec & Exertus Source Assemblies (Weight 27 kg)



Single Cavity Isotope Emergency Storage:

Compatible with Severed Sentinel, Ir-100, Spec Source Assemblies & Exertus Source Assemblies (Weight 100 kg)



2 Channel Isotope Emergency Storage:

Compatible with Sentinel, Ir-100, Spec & Exertus Source Assemblies (Weight 100 kg)



6 Channel Isotope Emergency Storage:

Compatible with Sentinel, Ir-100, Spec & Exertus Source Assemblies (Weight 100 kg)

ENVIRONMENTAL RADIATION ALARM



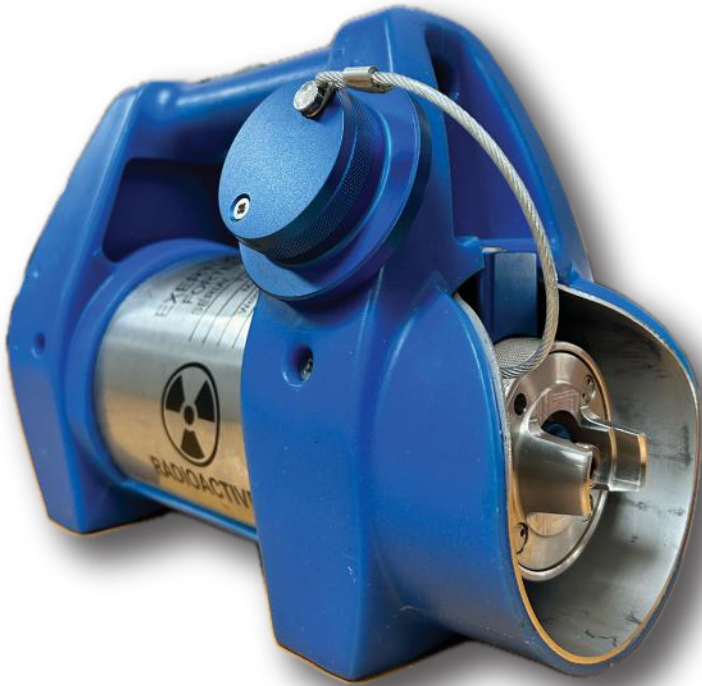
The **ERA99-B** is a robust, portable radiation alarm product, which has been in the market for over 20 years. The current product has been redesigned, encapsulating all existing functionality of the ERA99-B, with added new features. A WIFI connection exists for the user to obtain additional information from the ERA99-B unit.

[Enquire](#)



FORTES

RUGGEDNESS SIMPLIFIED



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, and lightweight. This projector is lighter than most of its competitors. It incorporates an improved source channel based on a new helicoidal design, which makes maintenance easier. The helicoidal design also allows smoother movement of the source assembly inside the device, making it easier for operator and improving safety.



USER FRIENDLY OPERATION



CAN ONLY BE LOCKED AND DISCONNECTED WITH SOURCE IN SAFE POSITION



ACCEPTS IR-192 OR SE-75



TUNGSTEN SOURCE CHANNEL



JUST 24.5 KG WITH JACKET



COMPACT DESIGN



2 COLOUR SIGNAL SAFETY INDICATOR



AUTOMATIC SOURCE ASSEMBLY LOCKING MECHANISM





INDUSTRIAL ISOTOPES



Gammatec supplies Iridium-192 (Ir-192) sources globally for industrial radiography and non-destructive testing. Ir-192 has a 74-day half-life and is used to identify structural damage in metal components. We also offer Selenium-75 (Se-75) sources, a substitute for Ir-192, with a 119.8-day half-life. Se-75 offers advantages in testing thinner-walled steel, improved radiography contrast, and enhanced shielding. Gammatec partnered with Oserix, and distributes Se-75 worldwide, particularly for use with GamCPR Close Proximity solution, providing essential safety equipment and accessories.

**LARGE TRANSPORT
CONTAINER FLEET**



A TEAM WITH
OVER 25 YEARS
OF COMBINED EXPERIENCE



MULTIPLE MANUFACTURING
FACILITIES



GUARANTEED SHORT
DELIVERY PERIOD



SHIPPING TO OVER 60
APPROVED COUNTRIES



KEY EQUIPMENT

RADIATION SAFETY EQUIPMENT



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.

[Enquire](#)



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.

[Enquire](#)



T202
TRACERCO

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

[Enquire](#)



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).

[Enquire](#)



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.

[Enquire](#)



PED-ER
TRACERCO

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

[Enquire](#)



RADIOGRAPHY EQUIPMENT



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.

[Enquire](#)



HPX-1 PLUS & HPX-PRO
CARESTREAM

The HPX-1 Plus Is Ideal For Lab Environments Where High-Resolution Imaging Is Critical, Featuring Adjustable PMT And Laser Power For Fine-Tuned Image Capture. In Contrast, The HPX-PRO Portable Digital System Is Designed For High-Throughput Imaging In Rugged NDT Environments, Offering A Lightweight And Portable Design That Can Be Set Up In Under 5 Minutes.

[Enquire](#)



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.

[Enquire](#)



EXERTUS FORTES
OSERIX

This Projector Has The Ability To Accept Iridium 192 Sources Or Selenium 75 Sources. Incorporates An Improved Source Channel Based On A New Helicoidal Design, Which Makes Maintenance Easier.

[Enquire](#)



EXERTUS DUAL
OSERIX

This Projector Incorporates Design And Safety Features That Make It Flexible, Compact And Lightweight. Has The Ability To Accept Iridium 192 Sources Or Selenium 75 Sources.

[Enquire](#)



EXERTUS CIRCA
OSERIX

A New Generation Of Close Proximity Tungsten Shielded Gamma Radiography Projector. It Has The Ability To Accept Selenium 75 Sources.

[Enquire](#)



RADIOGRAPHY EQUIPMENT



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, We Created A High-Tech Digital X-ray Solution Entirely Designed Around You!

[Enquire](#)



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.

[Enquire](#)



CP-200B
TELEDYNE ICM

The CP200B Is A Portable X-Ray Generator That's Lightweight (13 Kg/28.6 lbs) And Battery-Operated (Dewalt®). It Has A Wide Output Voltage Range (40-200 kV) And A Tube Current Range (0.1-1.5 mA), With A 100% Duty Cycle At 30°. Its Small Focal Spot Size Makes It Ideal For Digital Radiography, Providing High-Quality Images.

[Enquire](#)



GAM CPR
Close Proximity Radiography

VIDEO

<https://www.youtube.com/watch?v=i87JVpu8r6g>



ULTRASONIC TESTING EQUIPMENT



D50/D70
SONATEST

The SITESCAN 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.



WAVE
SONATEST

Introducing WAVE by Sonatest. It integrates the latest technologies available to create a revolution in the ultrasonic non-destructive testing equipment market.



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.

Enquire

Enquire

Enquire



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.



DIVE
CYGNUS

A robust wrist-mountable gauge for underwater ultrasonic thickness measurement, providing a free hand. It offers a large, bright display with a live A-scan, easily viewable by the diver and camera, even in poor visibility.



6+ PRO
CYGNUS

Boasting a full range of useful features for professional users, including A-scan; B-scan; comprehensive data logging; 3 versatile measuring modes; a high-temperature probe for measuring wall thickness in areas of high-temperature without shutdown or isolation; plus much more.

Enquire

Enquire

Enquire



ULTRASONIC TESTING EQUIPMENT

CYGNUS I-EX FEATURES

- 3 Measuring Modes For Levels Of Corrosion, Various Materials And Through-Coat Measurements.
 - Manual Measurement Mode Allows Gates And Gain To Be Configured To Suit Your Application.
 - Available As SC, TC, PLUS And PRO Variants With Options Of Upgradeable Features.
 - High Temperature Measurement Capability.
 - Intrinsic Safety Protection - No Need For Hot Work Permits
- Certified Intrinsically Safe To ATEX, IECEx, UKEX For Zone 0.

[Enquire](#)



LIVE A-SCANS
AID VISUAL MEASUREMENT VERIFICATION

LIVE B-SCANS
QUICK CROSS-SECTIONAL REPRESENTATION

INTRINSICALLY SAFE

- IDEAL FOR USE IN**
- FUEL DEPOTS
 - ROAD & VESSEL TANKERS
 - MINES
 - CHEMICAL PLANTS
 - OIL AND GAS

...refineries, pipelines and hazardous storage tanks.

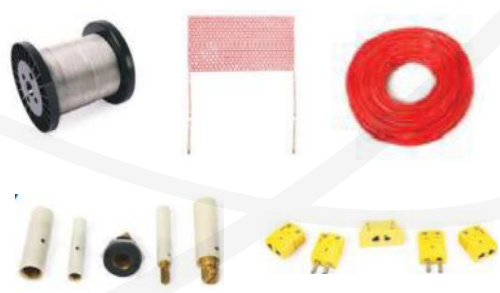
POST WELD HEAT TREATMENT



KVA UNITS

Robustly Constructed To Provide Power To Electrical Resistance Heaters At 65/85 Volts, Suitable For Site And Shop Working.

[Enquire](#)



CONSUMABLES

- Thermocouple Wire
- Connectors & Sleeves
- Ceramic Fibre Blankets
- Pad Heaters
- Heating Mats

[Enquire](#)



HARDNESS TESTING EQUIPMENT



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.

Enquire



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).

Enquire



EQUOTIP 550 UCI

The leading Ultrasonic Contact Impedance measurement system with advanced capabilities

- Unmatched versatility owed to HV1, HV5, and HV10 test loads in a single probe
- Patent-pending adjustable test load for higher accuracy on a wide range of applications
- Powerful measurement device on the market packed in a rugged chassis



EQUOTIP 550 LEEB
PROCEQ

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

Enquire



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.

Enquire



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



ELECTROMAGNETIC EQUIPMENT



BAUGH & WEEDON TRUFLUX

HIGH RESOLUTION DIGITAL TANK FLOOR PLATE SCANNER

The TruFlux Scanner Effortlessly Captures High-Resolution, Accurate Topographical Images Of 6-20mm Storage Tank Floor Plates. Weighing Just 55kg, Including Its Compact Battery Pack, This Self-Propelled Scanner Is Designed For Easy Transport And Handling. Its Foldable, Compact Design Streamlines Shipping And Setup, Minimizing Operator Fatigue And Maximizing Field Efficiency.

MAGNETIC FLUX LEAKAGE



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.

[Enquire](#)



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.

[Enquire](#)

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.

[Enquire](#)



MY-2
GAMMATEC

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

[Enquire](#)



ELECTROMAGNETIC EQUIPMENT



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.

[Enquire](#)



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.

[Enquire](#)



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.

[Enquire](#)



VEESCAN
ETHER NDE

Designed To Lift The Wheel And Fix It With An Automatic Adaptor That Uses The Wheel Inertia To Center It. It Offers An Integrated Roller Tray For Easy Manoeuvrability And Integration Into A Conveyor System. The VeeScan Also Features An Automatic Hub Size Adaptor And Can Test Wheels Up To 900mm (35") In Diameter.

[Enquire](#)



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.

[Enquire](#)



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.

[Enquire](#)



VISUAL INSPECTION ELIOS 3

Modular Payload Bay



FlyAware™ SLAM Engine

Collision-Resilient Rugged Design



SLAM-Based Stabilization

3D Surveying Solution

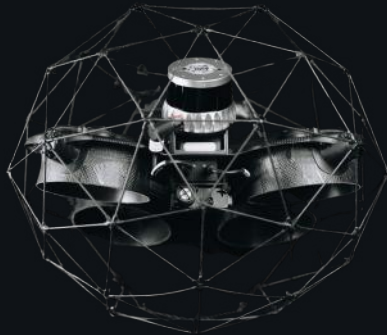


3D Live Map



Extended Air-Time

Exploring the Versatility of ELIOS 3 Payloads



FLAMMABLE GAS SENSOR PAYLOAD

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



SURVEYING PAYLOAD

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.



UT PAYLOAD

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. By Leveraging The Elios 3 UT Payload, Industry Professionals Can Achieve Remarkable Cost Savings Of Up To 90%.



ACCESSORIES & CONSUMABLES



MAGNETIC PARTICLE

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

[Enquire](#)



DYE PENETRANT

- Cleaners
- Developers
- Penetrants

[Enquire](#)



PHASED ARRAY

- Transducers
- Probe Cables
- Couplants
- Probes

[Enquire](#)



RADIOGRAPHY ACCESSORIES

- Penetrameters
- Lead Marker Tapes
- Lead Letters & Numbers
- Film Cassettes
- Lead Intensifying Screens

[Enquire](#)



DARKROOM

- Industrial Film
- Processing Chemicals
- Film Cassettes

[Enquire](#)



ISOTOPES

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

[Enquire](#)



GET IN TOUCH!

HEAD OFFICE SOUTH AFRICA

Vision 21 Industrial Park,
Steel Road, Peacehaven,
Vereeniging.
P.O. Box 264786,
Three Rivers, 1939.

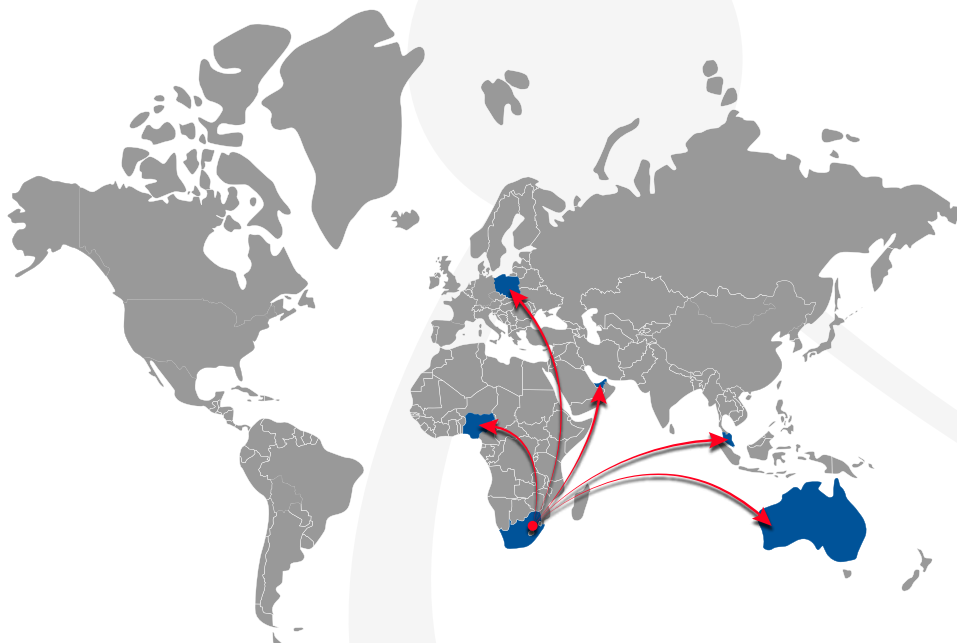
THEA PURCELL
+27 16 423 7731
Sales@gammatecsa.com

CAPE TOWN SOUTH AFRICA

ADELE FISHER
+27 83 628 0894
Cptsales@gammatecsa.com

KZN SOUTH AFRICA

TRUMAN KELL
+27 82 429 0464
Heattreat@gammatecsa.com



OUR KEY PARTNERS

Carestream NDT





WWW.GAMMATECSA.COM