

The background of the entire page is a close-up, high-contrast image of a robotic inspection probe. The probe is metallic and cylindrical, with several orange-colored hexagonal components. It is emitting a bright blue, wireframe-like light that forms a cone shape, suggesting a scanning or imaging process. The lighting is dramatic, with strong highlights and deep shadows.

COMPANY PROFILE

FOR ALL YOUR INSPECTION NEEDS

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Dexon Technology

Data-driven Integrity

Since our first run nearly 30 years ago, we have inspected infrastructure for the largest energy companies in the world. Our engineers have worked in nearly 50 countries and racked up 28 awards for everything from excellent service to innovating one of the world's best crack detectors.

Dexon's in-house RDE team develops and builds our suite of tools on-site, starting from research all the way to prototyping and execution. We custom-make and modify tools to match clients' needs. Whether the line operates in high temperatures or has multi-diameter lines with back-to-back 1.5D turns, we ensure no defect goes overlooked.

Our services include

- In-line inspection
- RDE and tool customization
- NDT inspection
- Asset integrity management
- Inspection training
- Fabrication and maintenance of pipelines and equipment

Vision & Missions

V

To be an international leader in engineering inspection with pipeline technology and manufacturing equipment innovations.

M

To provide advanced technology services to increase effectiveness and reliability and to be environmentally friendly in every industry with professionalism and integrity.



D

Diligence
Commit to quality

E

Environment
Protect the environment

X

eXcellence
Deliver excellent services.

O

Openness
Operate transparently and ethically.

N

Novelty
Create new innovations

Dexon's Services

NDT INSPECTION



RDE & TOOL CUSTOMIZATION



ASSET INTEGRITY MANAGEMENT



INSPECTION TRAINING



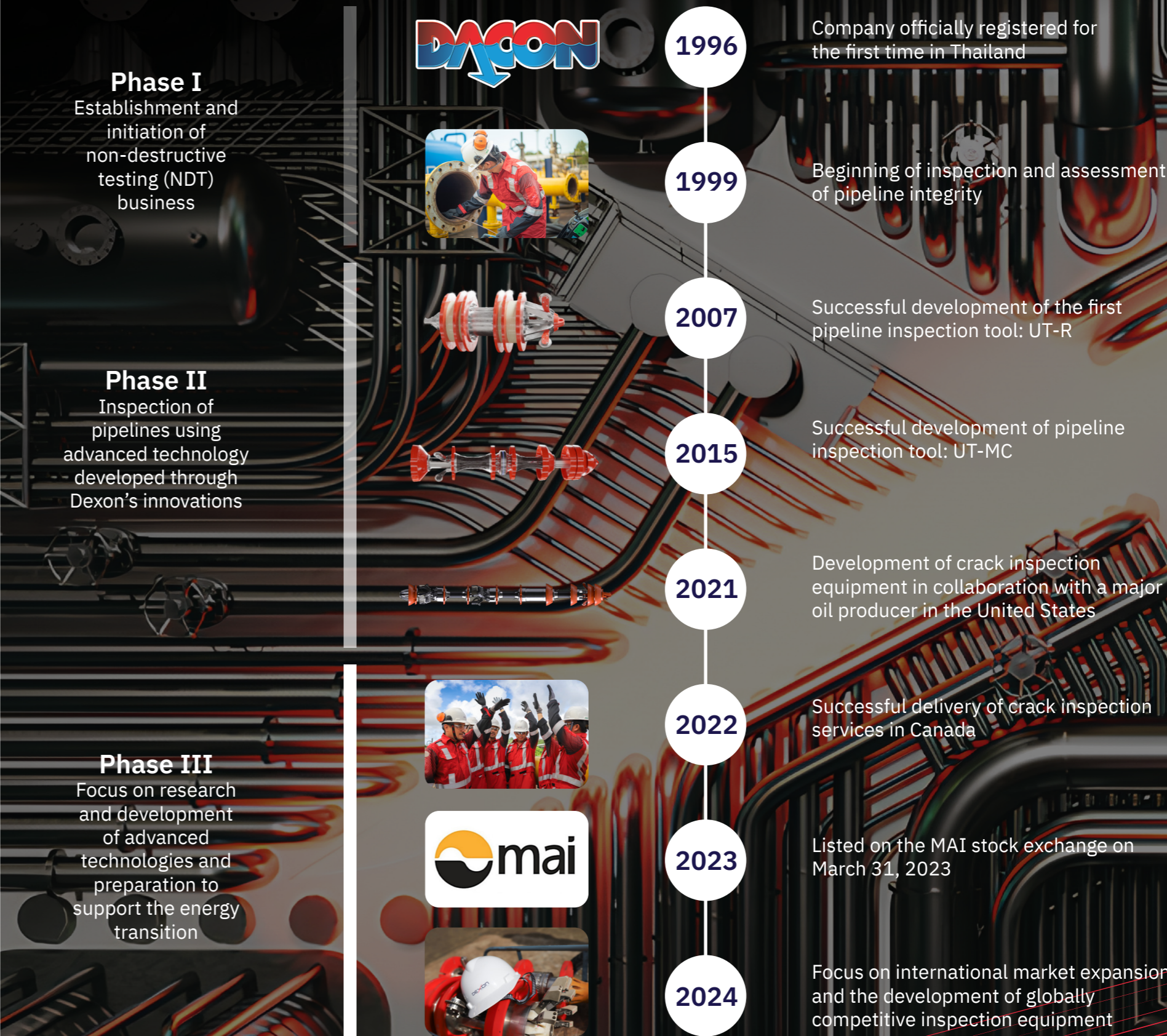
IN-LINE INSPECTION



FABRICATION AND MAINTENANCE



Dexon's Journey of Growth & Innovation



Research, Development, and Engineering : Pushing the Frontiers

The best inspector in the world would be useless running an MFL tool from the '70s. Best results demand a fusion of elite talent with advanced technology.

Dexon's research, development, & engineering (RDE) delivers the second half of that equation. RDE develops, fabricates, and modifies Dexon's entire in-line inspection (ILI) fleet—winning multiple awards for innovation and creating some of the most advanced tools in the industry.

Staff includes experts in

- Software development
- Mechanical engineers (PhD)
- Chemical engineers
- Material engineers
- Physics (PhD)
- Mechatronics (PhD)

The formula of our success:

- **Elite Expertise** : Our team of world-class specialists collaborate and construct nearly all the hardware and software in every tool. Staff includes experts in a range of disciplines. Many hold high-level qualifications in API, ASNT, BV, ABS, and DNV inspection alongside decades of experience.
- **Innovation Fueled by Real-World Needs** : RDE works directly with inspection and sales teams on the ground to pinpoint challenges, develop novel solutions, and iteratively improve upon existing technology; their collaboration ensures that client's needs are met and inefficiencies removed.
- **Custom Crafted Everything** : Dexon builds everything from the ground up. Our intimate knowledge of every detail lets us customize every aspect of the tool. In-house software engineers produced Dexon Inspection Suite, the proprietary software for the analysis of ILI data. Electrical engineers designed and fabricated nearly all electrical components. Dexon's in-house transducer production facility produces some of the world's most sensitive ILI transducers for a fraction of the price and time.
- **Ingenuity & Boldness** : From day one, Dexon has staked its name on pushing the frontiers of technology and tackling jobs that others could or would not do. This ethos lives on today in the RDE department, where researchers continuously push and improve on the technology—securing multiple awards for innovation in the process.



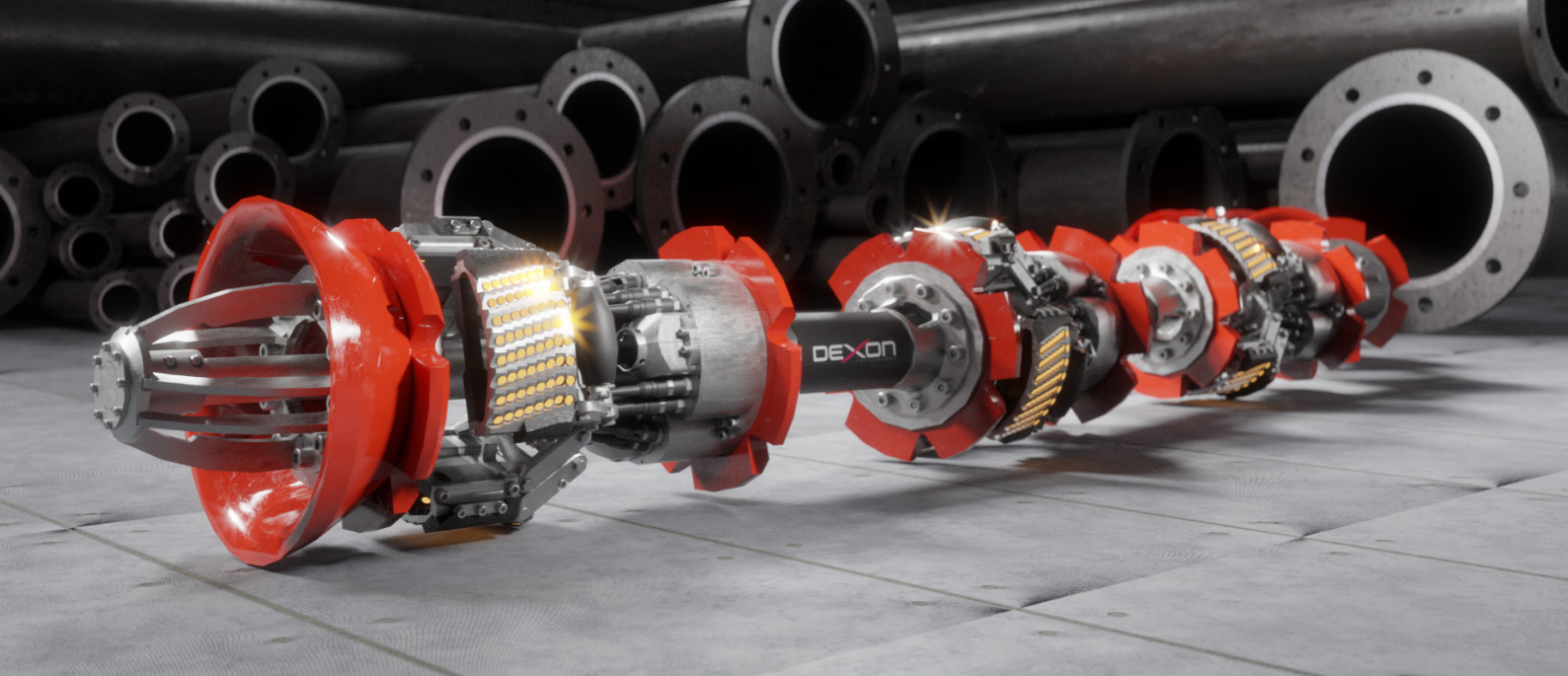
Dexon's On-site In-line Inspection Test Yard

Located on Thailand's eastern seaboard, Dexon's headquarters features a seven-acre in-line inspection (ILI) test yard. The yard offers pull-through, pump-through, and infinity loop ILI testing capabilities for various diameters.

Test loops are fitted with spools containing artificial defects and are used to verify the tools' detection capabilities. Clients can replace spools with their own to precisely replicate inspection conditions and verify our capabilities.

Using the test yard, Dexon's engineers can recreate the conditions of upcoming operations. These tests allow engineers to ensure the tool's durability, accuracy, and data quality before sending it into the field, dramatically boosting Dexon's first-run success rate and giving clients peace of mind that our tools will deliver.





Keeping Your Pipes Safe: Pipeline Services

Dexon’s pipeline services department offers intelligent in-line inspection (ILI) services globally, servicing onshore and offshore oil, gas, and petrochemical industries.

Dexon’s first ILI tool, an ultrasonic testing rotary (UT-R) device was developed in 1999 in collaboration with a major oil and gas company. Since then, Dexon has grown to offer metal loss, crack detection and sizing, and geometric defects in-line inspection throughout Asia, the Americas, Africa, Europe, and the Middle East.

Dexon has distinguished itself by specializing in ultrasonic inspection and its willingness to take on challenging pipelines. The inspection provider offers a fleet of tools for a range of diameters alongside customized inspection solutions to meet clients’ unique needs.

Pigging Services

- De-watering/drying
- Hydro testing
- Fluid displacement
- Free hydrocarbon removal
- Stuck pig recovery

Intelligent Pigging Services

- Axial and circumferential crack detection and sizing
- Metal loss
- Geometric defects
- Pipeline 3D mapping

Challenging Inspections Completed

- Tethered and bidirectional offshore risers Multiple-diameter lines
- Single buoy manifold and single point mooring to shore lines
- HDPE tailing line (slurry line erosion)
- Concrete liner inspection (field joint inspection)
- Single access point in-line inspection from launcher to subsea PLEM and back to launcher
- Subsea unpiggable lateral WYE line

A Tale of Tools The History of Dexon’s ILI Services

2007 – UT-R Revamp

After establishing operations in Thailand and completing dozens of runs, Dexon developed our second-generation UT-R tool in collaboration with one of Thailand’s largest energy providers. This version improved reliability, resolution, and runtime, advancing Dexon’s capabilities.



2017 – Magnetic Flux Leakage (MFL) Expansion

Dexon aimed to become a one-stop inspection service. After recruiting a crack team, RDE designed its first MFL tool from the ground up in under three months. Working under tight deadlines, engineers developed everything—from firmware to electronics—before deploying the tool on its first successful run. Its release marked the beginning of Dexon’s full-spectrum service.



2021 – UT Crack Detection and Sizing (UT-CD) Hawk

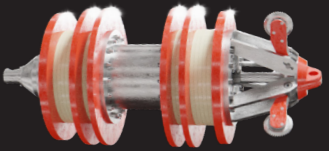
Our latest generation of UT tools emerged from partnering with an international energy leader based in the United States, a market with many aging pipelines requiring accurate crack inspections. We developed the UT Crack Detection and Sizing (UT-CD) Hawk in response. The tool is capable of detecting cracks as small as 1 millimeter. This innovation later earned Dexon the Best Innovative Company award from the Stock Exchange of Thailand (SET).



2024 – In-House Transducer Production

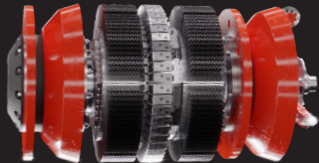
UT-CD tools use over a thousand transducers to achieve their high-resolution data, but each piece cost \$250+ and had long turnaround times. Dexon faced a costly bottleneck. To overcome this, the company developed its own transducers in-house. After years of research and testing, Dexon achieved higher accuracy, faster production, and lower costs. This advancement secured Dexon a second Best Innovative Company award from SET.

From pioneering ultrasonic inspection tools and working at a fast pace, Dexon has pushed the boundaries of technology and innovation. Stay tuned to see what our can-do attitude and determination will bring next.



2015 – UT multi-channel (UT-MC)

We built the UT multi-channel (UT-MC) device from the ground up. This tool enabled efficient long-distance inspection of liquid pipelines. The new design marked a significant upgrade from the previous version and better met market needs.



2015 – UT-MC Octopus

We continued our progress with the development of the UT-MC Octopus, designed for pipelines that transport highly viscous liquids such as crude oil. This design required specialized knowledge and a higher level of expertise in both design and equipment development.



2023 – UT-Well Casing

We continued our progress with the development of the UT-MC Octopus, designed for pipelines that transport highly viscous liquids such as crude oil. This design required specialized knowledge and a higher level of expertise in both design and equipment development.



Dexon's Challenging Pipeline Inspection Program

Dexon has built a reputation for inspecting difficult lines. Dexon's medium-size and robust RDE division allows us to respond dynamically to clients' needs. Custom-built tools can go from the design board to the pipeline in under a few months—compared with the years it might take larger companies as production crawls through bloated bureaucracies.

Over the last 29 years, Dexon has inspected over 500 pipelines in nearly every condition imaginable. Offshore risers running at 70°C, ancient pipelines built in the '60s and never before-inspected, and bi-directional 4" lines with multiple sharp turns. Not only have we succeeded in inspecting these "impossible" lines, but we have done so with a 93% first run success rate.

Dexon's success comes from our comprehensive, tailored approach to each inspection. The inspection program includes an in-depth analysis of asset configurations, an assessment of challenges, and inspection recommendations. Inspections can also include fitness for purpose (FFP) and estimated repair factor (ERF) assessments.

Challenging Pipeline Inspection Services

- Pre-inspection analysis, surveying, and piggability consultation
- Customized tool design and modification to challenging pipelines
- Spool sample inspection verification
- Pipeline replication and testing

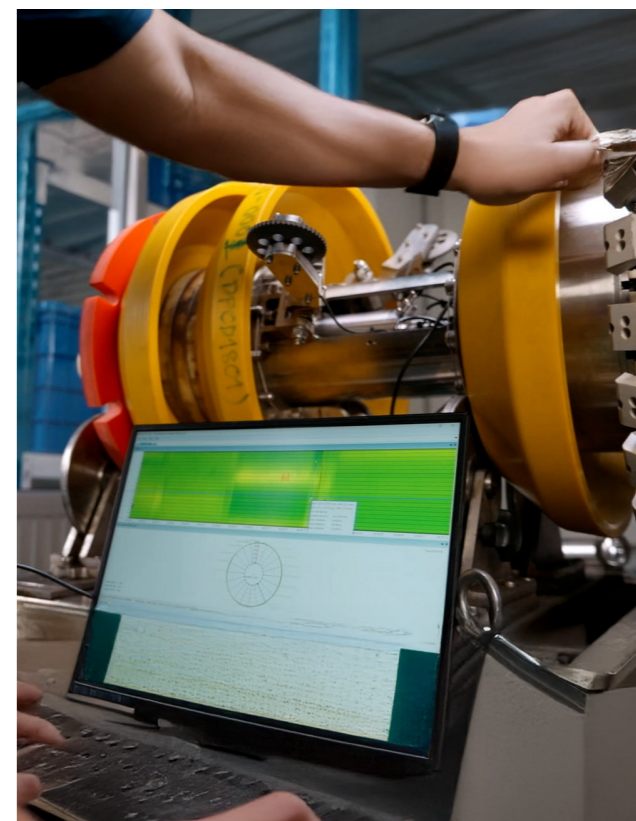
Data Analysis and Reporting

Dexon's data analysis and reporting department delivers transparent, actionable reports on assets. Engineers use the proprietary Dexon Inspection Studio to identify defects and suggest actionable responses.

Key features include automatic anomaly detection and classification and 3D graphic models of data, speeding up reporting time and visualizing defects.

Upon completing the inspection, engineers deliver three separate reports:

- An initial field report supplied within 24 hours addressing any critical dangers identified.
- A preliminary report with more in-depth analysis of anomalies greater than 50% of nominal wall thickness.
- A final report providing a detailed analysis of all anomalies in addition to FFS and RLA calculations.





Non-Destructive Testing (NDT)



Dexon has been at the forefront of NDT throughout Asia. We have worked with top energy providers in Singapore, Malaysia, Thailand, Japan, and other countries, offering a comprehensive range of inspection methods.

We customize each program to meet the requirements of individual assets and clients, while supplying some of the most experienced hands in the industry.

Some of our NDT inspection services include:

Advanced NDT Services

- Phased Array Ultrasonic Testing
- Eddy Current Testing
- Corrosion Under Support
- Internal Rotary Inspection System
- Long Range Ultrasonic Testing

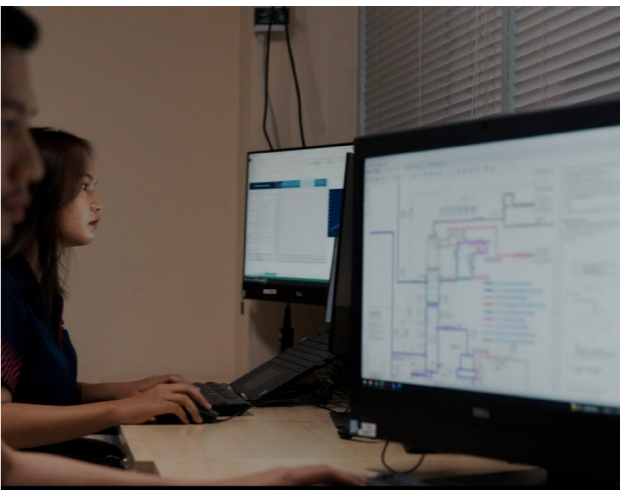
Conventional NDT Services

- Ultrasonic Testing
- Eddy Current Testing
- Helium Leak Detection
- Radiographic Testing
- Liquid Penetrant Testing

Asset Integrity Management

Keeping track of ten thousand pieces of equipment—each with dozens of pages of history, different maintenance schedules, and different regulations, all without missing an inspection—is a headache for most energy operators.

This is where Dexon’s Asset Integrity Management (AIM) solution steps in. We centralize, digitize, and automate asset integrity management so that operators can smoothly and simply look after their thousands of pieces of equipment without missing a beat. The result: increased life span and efficiency and fewer late inspections or costly repairs.



AIM Services

- **Risk-Based Inspection** : The development of inspection plans based on the risk and consequence of failure of each asset.
- **Asset Integrity Management Software** : The customized development of AIM software that displays past inspection results and plans future inspection and maintenance requirements.
- **Inspection Test Plan** : Supplies operators with detailed plans for the analysis of an asset’s integrity.
- **Fitness For Service** : A detailed analysis of inspection results and anomalies, clearing an asset for continued use in accordance with American Petroleum Institute (API) standards.





Drone Inspection Services

Dexon Technology's drone inspection team offers state-of-the-art remote visual inspection, thermal imaging, and LiDAR 3D scanning services to clients across Asia.

Drone inspections help clients make better decisions about maintenance pre-shutdown. Unmanned vehicles, working alongside experienced operators, provide preliminary inspection reports along with detailed analysis and repair recommendations. Time, manpower, and inspection costs are drastically reduced when compared with conventional rope access inspection.

Services

Oil And Gas

- Live flare inspection
- Storage tank inspection
- Pressure vessel inspection
- Column & chimney stack inspection
- Jetty & marine structure inspection
- Regenerator & reactor inspection
- Confined space inspection
- Survey & mapping (including photogrammetry, 3D model)

Power Plants

- Air duct inspection
- Boiler inspection
- Chimney & stack inspection
- Power line survey
- Transmission tower inspection
- Survey & mapping (including photogrammetry, 3D model)

Renewable Energy

- Wind turbine inspection
- Solar farm survey

Leveraging Technology for Superior Inspection Services





Dexon Mechanical Solutions

Since 2019, Dexon Mechanical Solutions (DMS) has been turning the impossible into the possible, ensuring the safe and reliable operation of infrastructure worldwide.

DMS Services

1. **Process and Pipeline Services** : Providing specialized solutions to optimize pipeline performance.
 - Fabrication and installation
 - Pre-commissioning
 - Repairs and modification
2. **Subsea and Mechanical Solutions** : Delivering robust engineering services for subsea infrastructure and mechanical systems.
 - Subsea pipeline repair clamps
 - Splash zone repairs
 - Pipeline isolation
3. **Decoking Services** : Using advanced techniques to remove coke and other deposits from industrial equipment; our services boost efficiency, extend lifespan, and reduce downtime.



Dexon Training Center

For over 15 years, Dexon Training Center (DTC) has provided inspectors with the knowledge, skills, and certifications they need to get ahead in a competitive NDT industry. Here, training is not just about passing a test—it is about equipping students with what it takes to excel in their careers long after they leave the classroom.

DTC distinguishes itself with

- Confidence** A decade-plus of experience training the biggest names in the energy industry.
- Expertise** Backed by Dexon Technology, a leading international NDT inspection company with offices all over the globe.
- Experience** Carefully vetted, certified teachers with decades of experience in the classroom and on-site.
- Quality** Nearly 3,000 former students and a 97% satisfaction rating.

DTC Courses Offered

- Conventional & Advanced NDT
- ASME
- API
- American Society for Non-Destructive Testing Certification
- IRATA
- GWO
- Soft Skills

Dexon Global Operations

Dexon has been international since its inception nearly 30 years ago. Dexon has worked in over 40 countries in a range of conditions, from hiking through waist-deep swamps in South America to battling with Bangkok traffick while tracking a pig snaking under skyscrapers and tollways.

We have staked our place through a willingness to go wherever clients need us—making sure their infrastructure continues to run safely and efficiently.

International Presence

THAILAND
SINGAPORE
THE NETHERLANDS
GERMANY
UNITED STATES

47

Countries
Served

549

Pipelines Inspected



Africa : Inspected 4”, 8”, 10”, and 14” gas lines in Tanzania. Dexon’s engineers ran their fleet of MFL tools to inspect the lines, including several bi-directional lines.



South America : A bespoke crack detection for an offshore crude oil line. The line was possibly damaged by a ship, and Dexon was enlisted to identify any defects. The 75°C product temperature required a reworking of electronics, while the UT tool had to be shrunk from 5m to 1.4m to fit the launcher without losing accuracy.



Europe : Inspected a country’s first hydrogen line. Dexon was contracted to perform a comprehensive inspection (axial & circumferential crack, metal loss, and geometry) prior to the line going online.



North America : 107km 8” line in Canada using Dexon’s premier crack detection tool. Dexon partnered with one of North America’s largest energy producers to develop the Ultrasonic Testing Crack Detection and Sizing (UT-CD) Hawk. The tool successfully completed the line in its first run and identified cracks other tools overlooked.



● Global Project Experience

Australia : Inspected 300 gas wells in Australia. Dexon’s engineers teamed-up with one of Australia’s major energy suppliers to inspect hundreds of wells. Due to the extreme costs for every second of downtime, Dexon ran on a tight schedule and produced a preliminary report within two-hours of inspection.

Asia : Collaborated with a major Middle Eastern energy company to develop a customized inspection tool. The multi-year contract will progress through research, prototyping, and execution, showcasing Dexon’s agility and innovation in RDE.



Results You Can Trust: Awards, Standards, and Certificates

Dexon delivers results operators can trust. All engineers hold necessary certifications and rigorously uphold international standards, but we go beyond the minimum. Dexon has won numerous awards from prestigious organizations and international energy companies for our services.

International Standards and Certifications

Dexon employs over 500 full-time inspection personnel covering conventional and advanced NDT and in-line inspection. These inspectors strictly adhere to international standards and hold the required certifications. Dexon's clients can rely on the company to deliver reliable evaluations that they can trust.



- American Petroleum Institute Certification Preparation
- The American Society of Mechanical Engineers
- American Society for Non-Destructive Testing
- Industrial Rope Access Trade Association
- Global Wind Organization
- ABS Group
- Bureau Veritas
- Det Norske Veritas
- Dropped Objects Prevention Scheme
- Lifting Equipment Engineers Association

Awards and Accolades

Innovation

- Best Innovative Award 2023 by the Stock Exchange of Thailand and Finance & Banking Magazine
- Best Innovative Award 2024 by the Stock Exchange of Thailand and Finance & Banking Magazine

Anti-Corruption

- Member of Thailand Private Sector's Collective Action Coalition Against Corruption (2023)

Environment

- Green Industry Award Level 3 by the Ministry of Industry (2023)

Safety Awards

- DIAMOND Level Safe Operation and Zero Work Accidents Award by IRPC Public Company Limited (2023)
- Excellence Safety Performance for over 3 Years without Recordable Injury Case and Outstanding Achievement in Delivering Operational Excellence by Valeura Energy Inc. (2023)
- KPI Success & Excellence in Safety, Operation and Quality for Work Projects by PTT Global Chemical Public Company Limited (2023)
- Outstanding SSHE by Thai Oil Public Company Limited (2023)
- Over 88,087 work hours without Loss Time Accident by GC Maintenance & Engineering Co., Ltd. (2023)

Growth That Uplifts & Conserves: ESG

Our Sustainable Growth Through Responsible Practices

Hitting annual targets means nothing if there is no world left for future generations to enjoy. At Dexon, we align business goals with social and environmental responsibility—ensuring the youth and those yet-born inherit a healthy and just world.

We achieve this through three core principles

- Green Work Practices
- Integrity at Every Level
- Supporting People and Communities



Green Work Practices

Sustainability is not a side project—it is built into how we operate. Tree-planting or donating to ocean conservation alone will not cut it. Real change happens in the processes of daily work.



Integrity at Every Level

A just society begins with ethical behavior. At Dexon, integrity is embedded in our culture and operations.



Support for People and Communities

Charity begins at home. We treat our team with dignity and invest in the communities where we operate.

Key Achievements

- 0% landfill waste disposal
- 100% energy recovery through waste management
- 11% annual reduction in energy consumption
- 30% of energy sourced from clean energy
- 500 trees planted to protect local biodiversity
- Green Industry Award Level 3 by the Ministry of Industry

Key Achievements

- Certified member of the Collective Action Against Corruption (CAC)
- Full compliance with ISO 9001:2015 standards
- Enforced No Gift Policy
- Transparent systems for whistleblowing and grievance reporting

Key Achievements

- 0 reported human rights violations
- 100% of employees trained and tested on human rights
- 1.94 injury cases per 1,000,000 working hours
- Partnered with PTT to produce and donate recycled-material bags and accessories to underprivileged students

For All Your Inspection Needs

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