



NDE
SOLUTIONS

A photograph of an industrial facility, likely a refinery or chemical plant, at sunset. The sky is filled with soft, orange and pink clouds. In the foreground, several tall, cylindrical structures (distillation columns or towers) are visible. One column on the left has a distinctive red and white striped pattern. To the right, a complex network of pipes, scaffolding, and smaller vessels is illuminated by warm, yellow lights, suggesting the facility is operational. The overall scene conveys a sense of industrial scale and continuous operation.

ASSET INTEGRITY. INSPECTION EXCELLENCE.

We maintain the integrity of high value assets and infrastructure through code compliant inspections and detailed analysis.

Empowering you to maintain the integrity of your assets without interfering with usual business operations.

Born from a need for non-destructive testing (NDT) and high-end inspection solutions, at NDE Solutions we enable clients to avoid asset failure that results in harmful or fatal injuries, substantial financial cost and detrimental impact to the environment.

As one of Australia's fastest-growing NDT companies, we have a large team encapsulating a wide variety of personnel within specialised fields, bringing hundreds of years of experience together under one expert banner.

Our team of 60+ staff have had the pleasure of working with a wide variety of failure mechanisms in various sectors worldwide—including with some of Australia's leading businesses in the mining, energy, civil and defence sectors.

The combined knowledge of our team has allowed NDE Solutions to generate a list of common industry problems over time and from that we continue to develop innovative testing techniques founded on quality and efficiency. This reduces costs for our clients by delivering accurate results and saving valuable time.

At NDE Solutions, we also like working backwards from known issues and developing the best possible testing technique to meet each individual need. We can provide custom solutions where required, and in this respect encourage abstract and free thinking to overcome challenges.



A large yellow mining truck is shown in a dark, rocky environment, likely a mine.

Mining & Minerals

We help you ensure the integrity of your mining assets.

At NDE Solutions, we provide a wide range of asset inspection services for the mining and minerals industry.

With high-end equipment and years of accumulated knowledge, we undertake mass screening, detection and assessment of corrosion under insulation—eliminating the need for intrusive and destructive insulation removal.

Robotic scanners and ultrasound mapping allow our team to externally determine corrosion levels without adversely affecting performance of assets during inspection.

A fighter jet is shown in flight against a blue sky with some clouds.

Defence

Helping you maintain the reliability of defence assets and the safety of personnel.

Our team undertakes in-service inspections, giving you reliable information as to the integrity of your important defence assets so you have the confidence to make informed decisions about maintenance, reducing risk for you and your personnel.

With decades of specialist knowledge and experience, we deploy cutting-edge technology and streamlined, efficient processes to minimise disruption.

We are also equipped to develop custom inspection solutions specific to your needs, providing you with valuable intel on the integrity of critical assets.

An oil pumpjack is shown against a sunset sky with orange and red hues.

Oil & Gas

In-service testing so you can ensure the integrity of your oil and gas assets.

At NDE Solutions, our team understands the importance of ensuring your oil and gas assets are maintained. Failure to do so can result in loss of life, substantial cost and disastrous environmental fallout.

We understand the risks, so continue to develop and implement innovative detection methods such as for microbial induced corrosion—improving on previously-used radiography methods while removing risk of radiation.

Our inspection techniques are safer and offer improved coverage, probability of detection and productivity.

A large blue and red cargo ship is shown on the water, with a smaller yellow tugboat nearby.

Marine & Civil

Comprehensive inspections so you can maintain your marine and civil assets.

At NDE Solutions, we provide expert internal and external inspection of marine and civil assets—including vessels as well as loading and storage facilities.

Our team of specialists will inspect your valued asset and provide fast, accurate reporting so you are empowered to make the right decisions to extend and optimise asset life and mitigate risk.

Our inspection solutions are non-invasive, non-intrusive and cost-saving.

A close-up view of electrical equipment, including transformers and insulators, at a power station.

Power

Optimise and maintain your power assets with our in-service inspections.

Continue to deliver quality and safe utilities with accurate data about the integrity of your assets in power-generation facilities.

Our team of inspection experts use innovative inspection techniques and cutting-edge equipment to determine remaining life of assets—without the need to shut down operations while testing occurs.



Non-intrusive Inspection

We inspect your assets without shutting down usual business activity.

At NDE Solutions, we specialise in providing in-service inspections of assets that are non-invasive, non-intrusive and non-destructive.

We provide full external inspection coverage of industry assets to determine degradation and remaining life without needing to resort to costly shutdown, cleaning, internal entry and internal inspection.

It's about saving costs for our clients, eliminating wasteful periods of production loss and removing risk to personnel during cleaning and entry activities.



Quality Assurance/Control

Innovative technology solutions for quality assurance in a range of industries.

Our experienced team can work with you to establish quality control mechanisms with respect to your vital assets.

With non-destructive testing, we help you ensure the integrity of assets with a focus on continuous improvement.

It's about facilitating expert quality control through monitoring systems that improve safety and reliability while minimising risks of asset defects and catastrophic failure.



Technique Development

We invest in the development of custom and innovative inspection techniques to provide the best solution for you.

At NDE Solutions, we take the time to understand the problems faced by our clients so we can identify and tailor a solution to suit—and if there is no ready-made technique, or if there should be a better way, we invest in research and development to innovate.

We pride ourselves on providing bespoke inspection solutions that improve detection, productivity and safety while reducing costs.



API / AICIP Inspections

Qualified inspectors empowering you to ensure the integrity of your assets.

At NDE Solutions, our API and AICIP services will leave you with the confidence that our experienced inspectors are fully qualified to perform detailed commissioning and in-service inspections of your assets to identify degradation and damage mechanisms.

In conjunction with our non-destructive testing solutions, our inspectors provide a detailed report outlining what their findings reveal about asset life and use.



Turnkey Solutions

Packages and partnerships to help you maintain asset integrity.

At NDE Solutions, we offer a comprehensive inspection package, inclusive of access, installation, removal and maintenance—all from a single provider.

To add value for our clients, we also partner with select high-end inspection services to provide the following:

- Pressure testing
- PIGGING (pipeline inspection gauge tools)
- Blasting and coating
- Acoustic emission testing



Specialised NDT Inspections

Specialised non-destructive tests that give you extra confidence in the integrity of your assets.

- Eddy current array inspections.
- Guided wave (LRUT).
- Phased array ultrasonic mapping.
- Phased array ultrasonic inspection.
- Phased array ultrasound.
- Implementation of screening methods to cover large areas and determine areas of concern.

