

# COMPANY INTRODUCTION

Inspections done differently...



# THE FUTURE ALLREADY STARTED

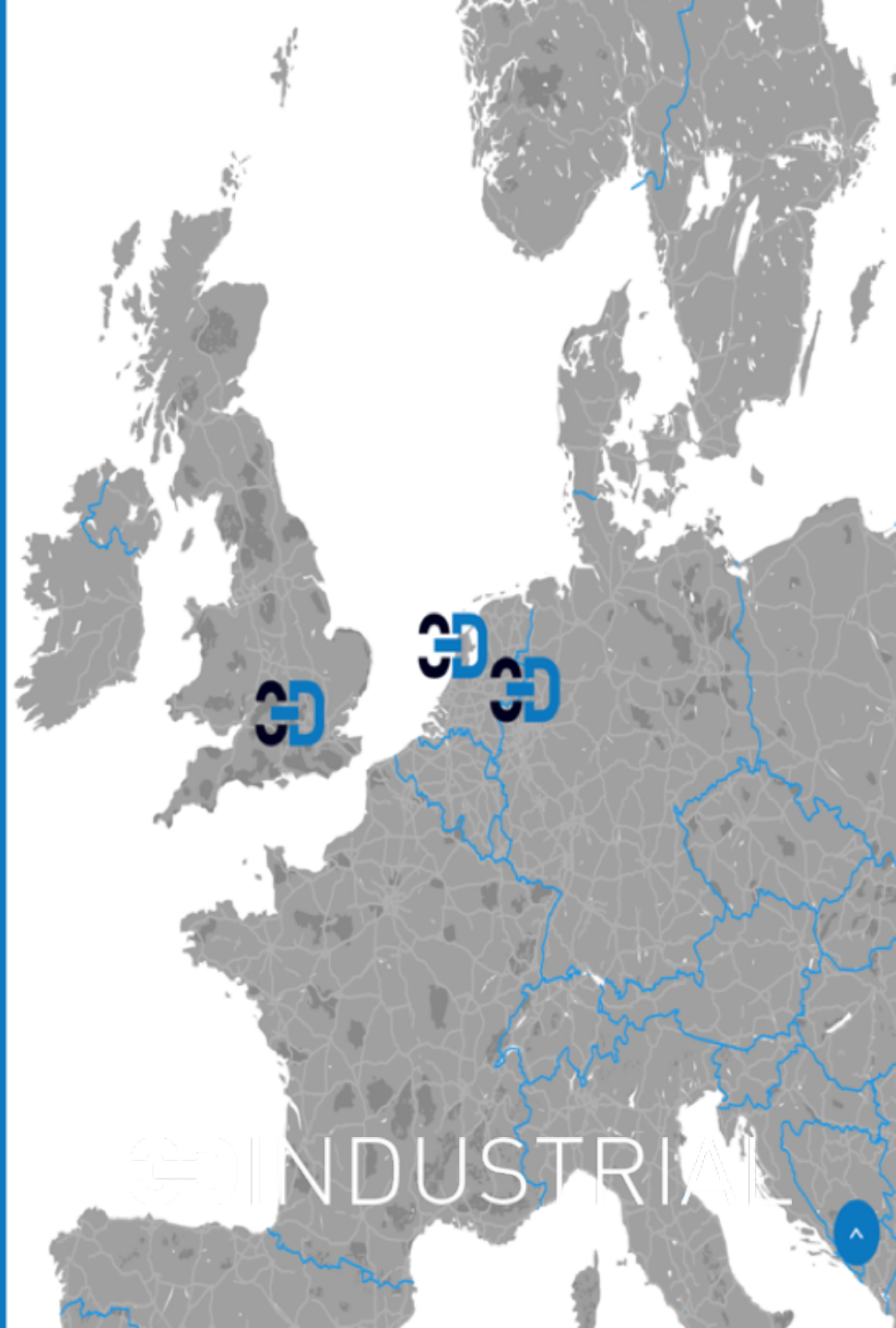
Propriety software and technology, big data, the internet of things, robotics, drones, cloud computing and 3D technology will have a huge impact in the way we perform industrial inspection and maintenance.

3D Industrial invests in knowledge and technology that we believe will make a difference...

# INSPECTIONS DONE DIFFERENTLY

3D-Industrial is a newly set up service provider built on great people and industry leading experts with a passion for innovation.

With offices in UK, Holland and Germany we principally work for Clients in Waste to Energy, Power Generation, Renewables, Offshore, Marine and Petrochemical industries.





# HYBRID VALUE PROPOSITION

3D Industrial offers a unique hybrid approach between (advanced) NDT & inspection services and robotized access solutions (such as crawlers and drones) as well as industry leading rope access services.

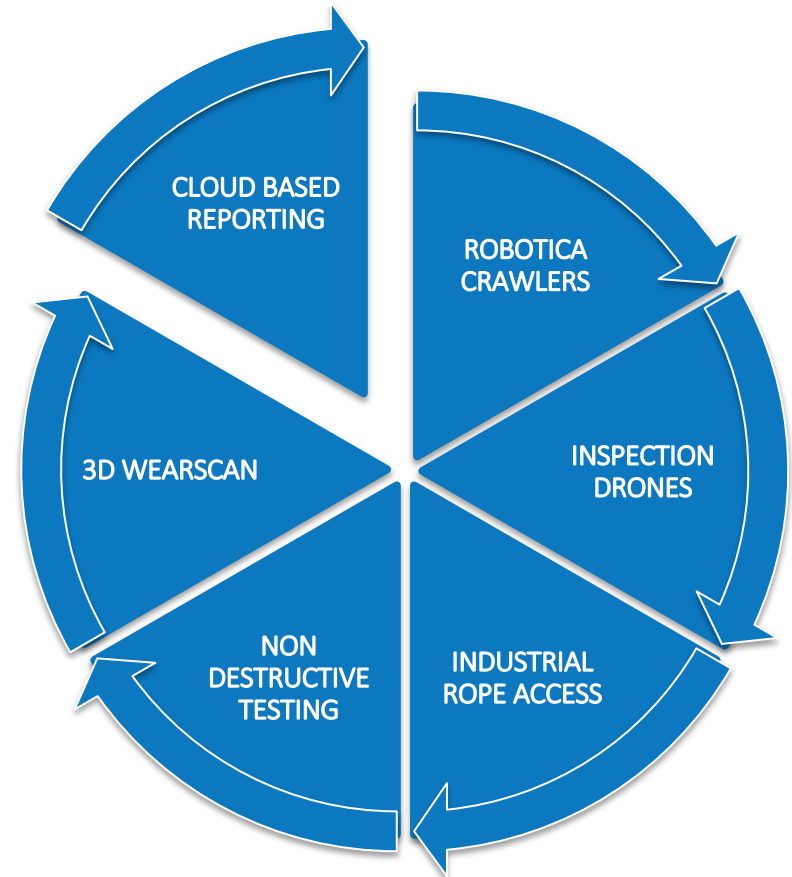
Using state of the art soft and hardware, cloud based reporting modules, we also capture data and show critical values and trend line analysis of parts, objects or entire assets.

 3D INDUSTRIAL



# TRUST LOYALTY COMITMENT

3D we value long term partnerships based on trust, loyalty and commitment. Long term and/or hybrid contracts also provide the best foundation for low cost structures and efficient operations. Our objective is to reduce your output by doing things differently.



**CD** INDUSTRIAL



**ClassNK**



**CD INDUSTRIAL**

# CHASING DREAMS PURSUING EXCELLENCE

Safety is embedded in the company culture, its identity and values to achieve the highest standards. Hence all services and activities are planned, organized and managed to prevent harm and damage to people, environment and or property. Safety is not a goal, its the starting point of every project or activity.

You can count on us.



# MARINE & OFFSHORE APPLICATIONS

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# CERTIFIED ROPE ACCESS SERVICES

Via WRS Rope Access, 3D Industrial employs a core team of full time employed experts with Rope Access qualifications. As such our services are available as part as a single sourced or multi disciplined (access solution) approach.

- Non Destructive Testing
- Wearsan Inspections
- Class Surveys
- Surface Cleaning
- Coating Applications
- Coded Welding



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# 3D-WEARSCAN TECHNOLOGY

Our 3D Wearsan technology can assess most, if not all, objects subject to wear, deformation, and or damage. Today we have a variety of different applications;

- In-line inspection of large pipes
- Pipeline corrosion assessment
- Mechanical damage assessment
- Drill Rig gearwheel analysis
- Jacking System inspections
- Drill Head inspections
- Etc.

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# NON DESTRUCTIVE TESTING

3D WRS carries full certification for the deployment of Visual, Dye-Pen, Magnetic Particle, Ultrasonic, Eddy Current Testing, Phased Array and Shearography.

Our inspectors are qualified according to EN473, ASNT-SNT-TC 1A and ISO 9712 standards.

Our NDT services can be carried out single sourced or as part of a multi-disciplined (access) solution on all type of assets.



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# ROBOTICA DEVELOPMENT

Propriety software and technology makes the difference between a regular drone operator, and that of knowledge-based inspection provider that understands, interprets and reports according to the relevant (class) certifications.

3D Industrial exclusively operates RoNik Inspectioneering devices and software only.

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# OUTDOOR INDUSTRIAL INSPECTION DRONE

- Redundant and robust design
- Resistant of steel and magnetic interference
- Centimeter-precise positioning
- Automatic waypoint flights
- Weatherproof (IP43)
- Wind resistant (max 12m/s)
- Wide range of payloads:
- High resolution RGB camera
- 30\* Super zoom camera
- FLIR Thermal camera



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# UT WALL & BEAM DRONE

- Certified and calibrated
- Patented tilting mechanism
- Integrated couplant dispenser
- Live view of UT graph by operator
- Two onboard camera's to monitor measurement in detail
- Parameters are modified during flight
- Lightweight design (only 1,5kg) so intrinsically safe
- Fits through 20" manhole
- For indoor use



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# ELIOS CONFINED SPACE ENTRY DRONE

- Collision proof
- Designed for confined space such as ballast tanks, storage tanks, etc
- Can be operated while the operator is outside
- Resistant of steel and magnetic interference
- Robust radio signal in cage of farraday
- Payloads:
  - High resolution RGB camera
  - FLIR Thermal camera



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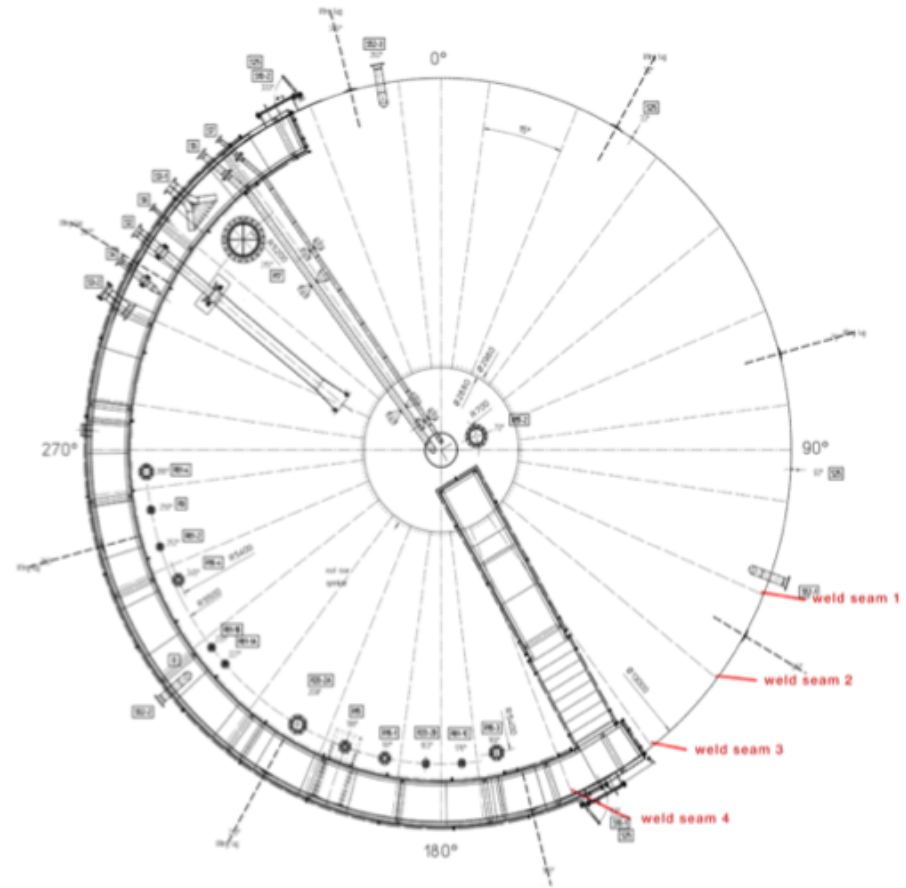
## MAGNETIC CRAWLER SYSTEMS

- Traverse all flat steel surfaces such as the hull, storage, cargo and or ballast tanks, etc.
- Can ride along 90 deg corners
- Performs Visual and UT inspections
- Max 60 meter umbilical
- Rugged ground station
- 3D positioning of inspection data

# LASER SCANNING TECHNOLOGY

Virtual reality meets industrial inspection. Using our 3D modelling technology, inspection data is plotted on a virtual model so it is easy to find what is what.

- 3D positioning of inspection data
- Wall deformation analysis
- Floor deformation analysis



# Concept rapport

Dit is een test-rapport enkel bedoelt als voorbeeld hoe een inspectierapport er uit kan zien.



## CLOUD BASED REPORTING AND TRENDLINE ANALYSIS

With our user friendly cloud portal, your inspection data is never more than one mouseclick away. Sharing inspection results is easier than ever, as is proactive maintenance planning.

Create a breakdown of your object and structure inspection data and define critical values and perform trend line analysis to reduce your cost of ownership...



VISIT US: [WWW.3D-INDUSTRIAL.COM](http://WWW.3D-INDUSTRIAL.COM)

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