

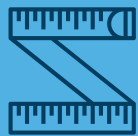
CONVERTING YOUR ASSET POTENTIAL.

www.assetinsight.nl

In the world of today, demands for our infrastructure are ever increasing. Asset performance is becoming increasingly important. Think of continuous & reliable availability, efficiency & budget impact, demonstrable safety and sustainability. An optimal asset performance requires making the right choices in management and maintenance in a timely fashion. Reliable, high-quality information is a must.

Obtaining, validating, and making information manageable and action-oriented forms a major challenge. Through digitisation and the "Internet of Things", we also get more and more current information about our assets. At the same time, the analysis possibilities are growing due to new knowledge and techniques. Providing the right insights is the core of the new inspection and measurement company of VolkerWessels:

ASSET.INSIGHT. IS YOUR PARTNER IN ASSET MANAGEMENT. TOGETHER, WE ENSURE YOU GET THE MOST OUT OF YOUR ASSETS. NOW AND IN THE FUTURE.



INSPECTIONS



DIGITAL MEASUREMENT



MONITORING



PREDICTIVE MODELLING

Where asset management issues are becoming increasingly complex, Asset.Insight. helps you obtain the insights needed to professionally manage your assets.

A good understanding of the actual optimisation issue is our starting point. We combine extensive asset expertise with experts in innovative data analytics techniques. Through our practical knowledge, we know what mix of asset knowledge and analytics offers the best solution. We use technology if it offers a clear contribution to the solution.

We are active in the domains in which we have truly built our expertise over the years: dry infrastructure (such as roads, airports, tunnels), wet infrastructure (such as dykes, quays, bridges, locks, treatment and pumping stations), process industry (such as installations, pumps, pipes) and rail. We have the broad domain knowledge and experience of VolkerWessels on our side.

In order to facilitate your decision-making, we collect, process and translate information into tailored, action-oriented insights. We look at the actual situation. But we can also look ahead through 'predictive modelling'.

We inspect, measure, monitor and predict the quality of your assets. We do this with a driven team of over 100 certified employees with years of measurement and inspection experience.

These employees were brought together under the name Asset.Insight. from the 'Inspection' department of VolkerRail, the 'Tecson Inspections' part of MJ Oomen and the 'Verhardingscontrole & Advies' department from the company Aveco de Bondt.

We contribute to an optimal asset performance. With the insights we offer you, you are able to assure demonstrable safety of your assets, save management costs, set priorities for investments and achieve the operational benefits.



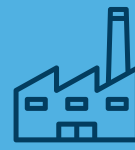
OUR FIELDS



ROADS, BRIDGES, TUNNELS



WATER



INDUSTRY



RAIL

EXAMPLES OF OUR SERVICES BASED ON OUR ASSET AND ANALYTICS EXPERTISE

INSPECTIES

- Laboratory research
- Environmental research
- Water permeability inspection
- CROW inspection
- NEN 3140 / 1010 inspection
- NEN 3840 inspection
- NEN 2767 condition inspection
- Dyke inspection
- Approvals
- Damage inspection
- Maintenance inspection
- Surroundings inspection
- Condition measurement
- Traffic control installation inspection
- Roadside system inspection
- QA/QC inspection
- Test procedures inspection
- (Remote) visual inspection
- Welding inspection
- Pipeline inspection
- Rotating equipment inspection
- Flare tip / chimney inspection

DIGITAAL MEASUREMENT

- 3D point cloud mapping
- Visual material / 360o imaging
- Object recognition based on cloud points and visual material
- Alternating geometry measurement
- ARAN measurement
- Fall weight deflection measurement
- Dynamic plate load test
- Asphalt and construction bore
- Radar measurement
- Texture measurement
- Traction measurement
- Longitudinal measurement
- Cycling comfort measurement
- Monitoring measurement
- Ultrasonic measurement
- EddyCurrent measurement
- Light intensity measurement
- Thermographic measurement
- Inspection process digitisation

MONITORING

- IoT sensing
- Data warehousing & processing
- Analysis and distribution platform
- Intervention management
- Level crossing measurement
- Voltage monitoring
- Bridge vibration monitoring
- Lock monitoring
- Tunnel monitoring
- Asset tracking (fire extinguishers)

PREDICTIVE MODELLING

- Predictive maintenance
- Machine learning algorithms
- Scenario modelling
- Rail formation model
- Rail bar damage (RCF) model
- Failure probability distribution model

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