



SPECTRAL SCAN
— **SOLUTIONS** —
PRECISION IN EVERY SPECTRUM

Spectral Scan Solutions

Kristof Neesen | Founder

Vision & mission



Spectral Scan Solutions aims to be a trusted partner in inspections and precise measurements, focusing on enhancing sustainability and efficiency in the construction, industrial, energy, facility management and real estate sectors. We strive to help businesses maximize efficiency and detect (potential) issues before they lead to significant costs.



Our vision is to provide high-quality inspection solutions and innovative scanning methods that help organizations make their infrastructure and processes safer, more sustainable, and cost-efficient. By leveraging the latest technologies, we aim to deliver accurate and reliable services that contribute to the success of our clients.

Our value proposition

Spectral Scan Solutions delivers advanced inspection and measurement services, empowering to achieve sustainable, safe and cost-efficient solutions. Utilizing cutting-edge technologies such as drones, thermography, and 3D scanning, we provide fast, accurate, and reliable insights that enable our clients to:



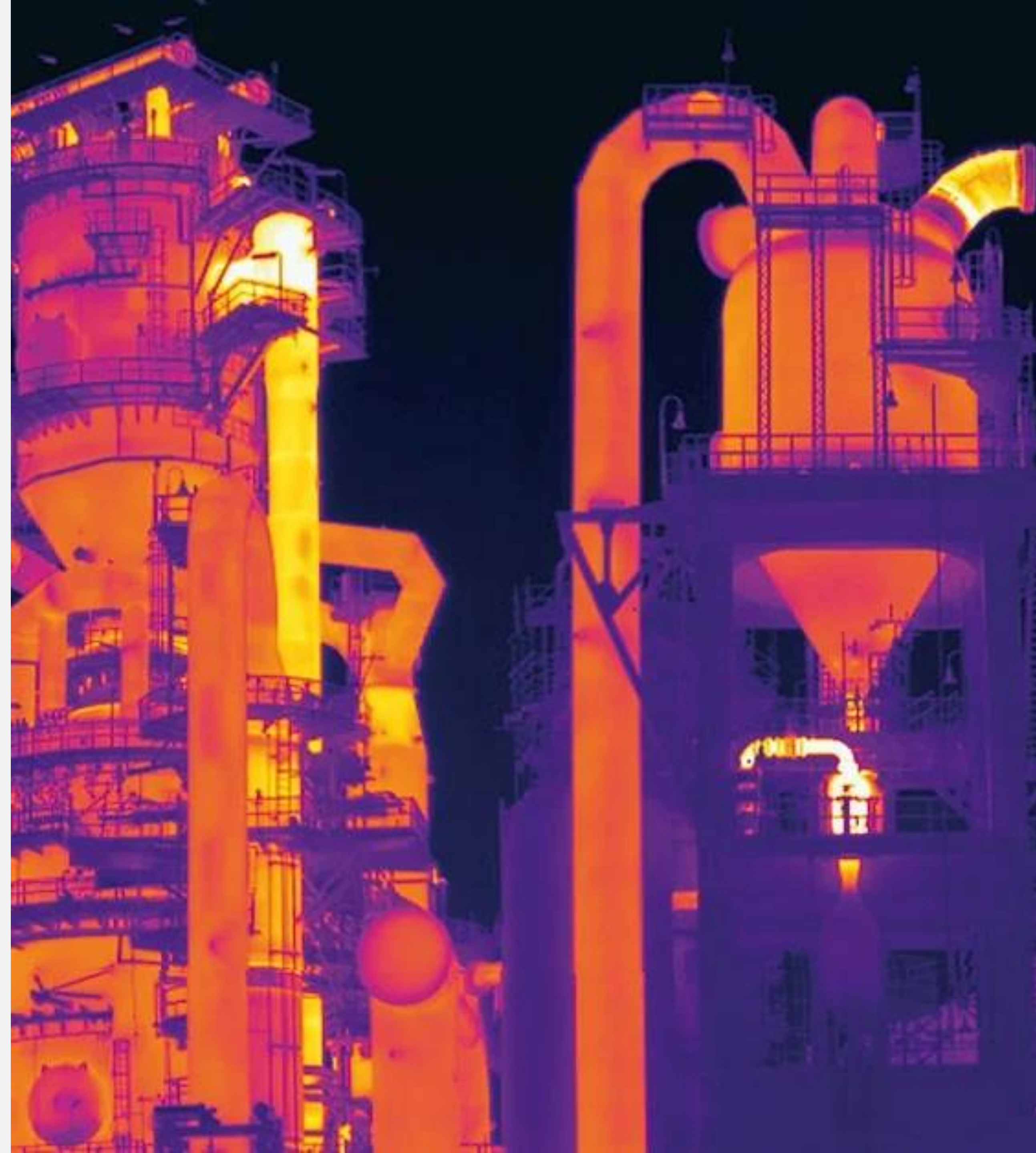
Detect issues early – Prevent and optimize costly repairs and downtime



Improve sustainability – Make decisions that contribute to CO² reductions and energy-efficient solutions.



Enhance efficiency and control costs – Optimize and minimize expenses through targeted, data-driven maintenance and management.



Our advantages

Advanced Technology, Expertise, and Compliance: Leveraging state-of-the-art tools like drones, thermography and 3D scanning, combined with experience and in-depth knowledge of regulations (e.g., pending PDRA) and industries, ensures accurate, reliable and compliant solutions.



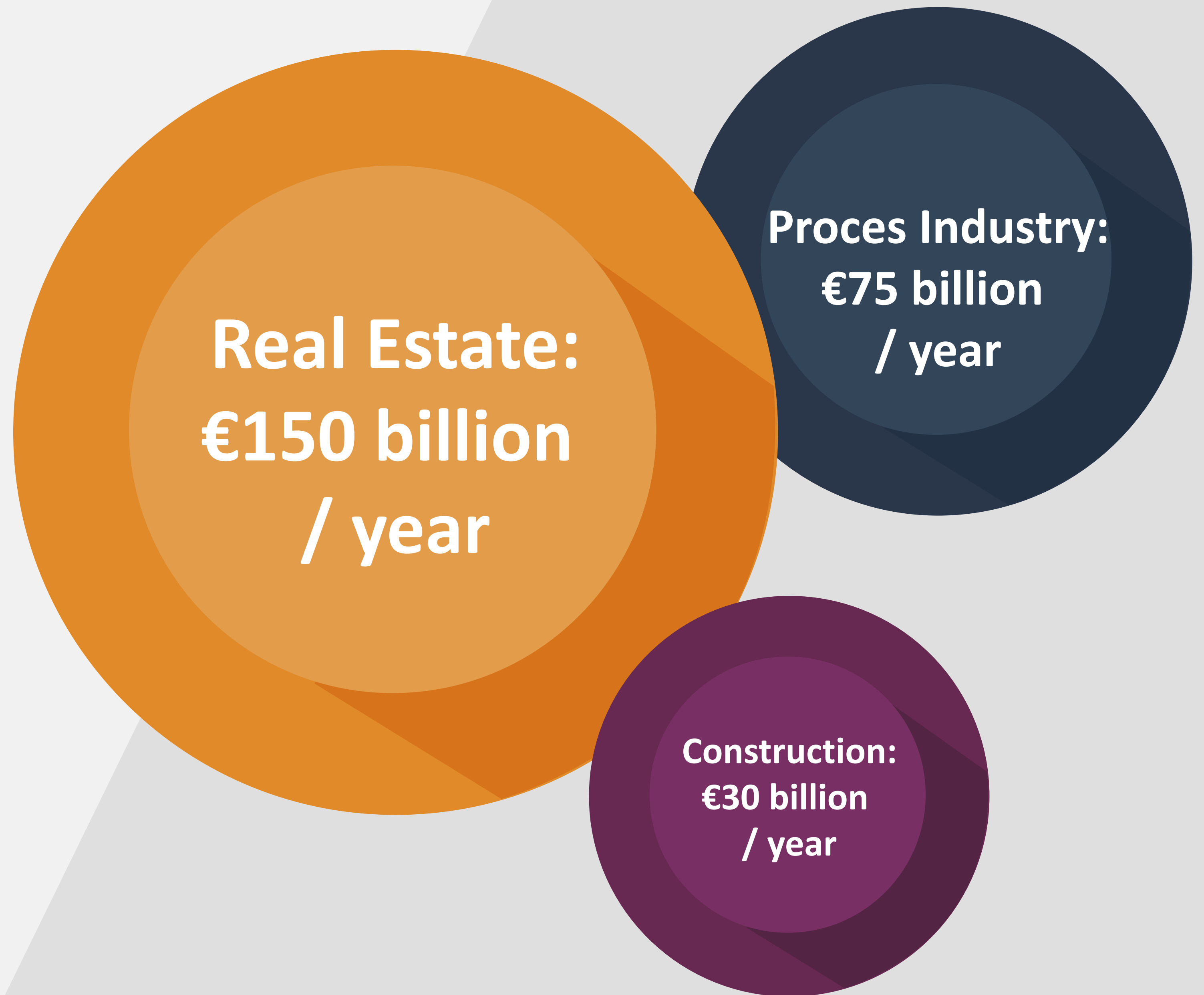
Efficiency, Cost Savings, and Enhanced Visualizations: Fast and precise inspections minimize downtime and reduce costs through early risk detection, while innovative 3D models and virtual tours (e.g., Matterport) provide clear insights for safety, training and improved stakeholder collaboration.

Sustainability, Sector-Specific Solutions, and Minimal Disruption: Tailored, eco-friendly solutions address the unique challenges of several industries, with a focus on seamless integration and minimal impact on operational environments.

Our target market

The target market for Spectral Scan Solutions includes industries like construction, energy, real estate and facility management, all of which are growing sectors and benefits from trends in sustainability, infrastructure modernization, and regulatory compliance, making it a promising space for growth.

These turnover estimates (in Belgium) indicate substantial opportunities for advanced inspection and measurement solutions in each sector, aligning well with the services offered by Spectral Scan Solutions.



Core service overview

Aerial Inspections & Measurements

Spectral Scan Solutions utilizes advanced drones equipped with thermal imaging and high-resolution cameras to conduct aerial inspections and measurements. This allows for fast, non-intrusive, high-efficiency data collection, particularly for hard-to-reach areas, minimizing downtime and operational disruption without the need for scaffolding,

Thermographic Inspections

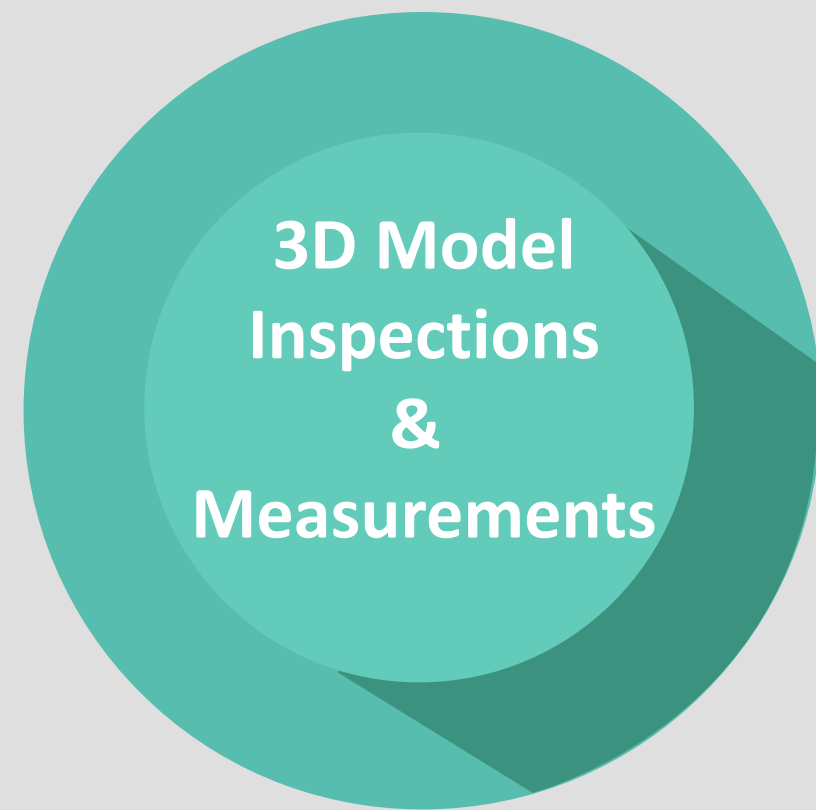
Using infrared thermography, the company identifies temperature anomalies, which can indicate potential issues such as leaks, energy inefficiencies, or material defects. This service is particularly valuable for preventive maintenance in buildings and industrial assets

3D Scanning and Modeling:

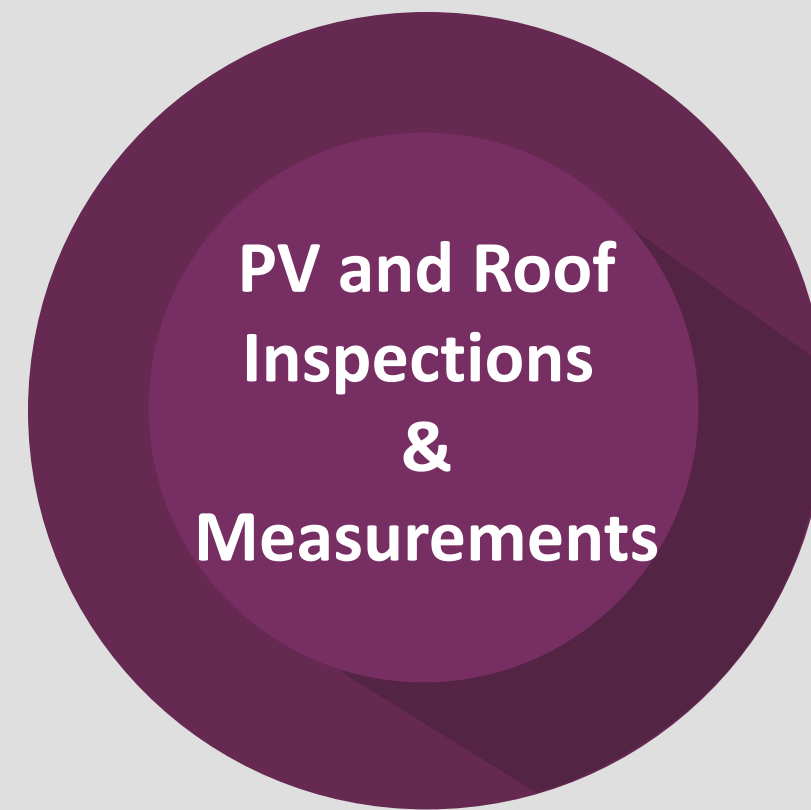
Through 3D scanning technologies like photogrammetry and LiDAR, Spectral Scan Solutions creates highly detailed models of buildings and infrastructure both inside and outside. These digital twins provide valuable insights for planning, construction, safety and training, enabling better decision-making and reducing errors in design and execution.



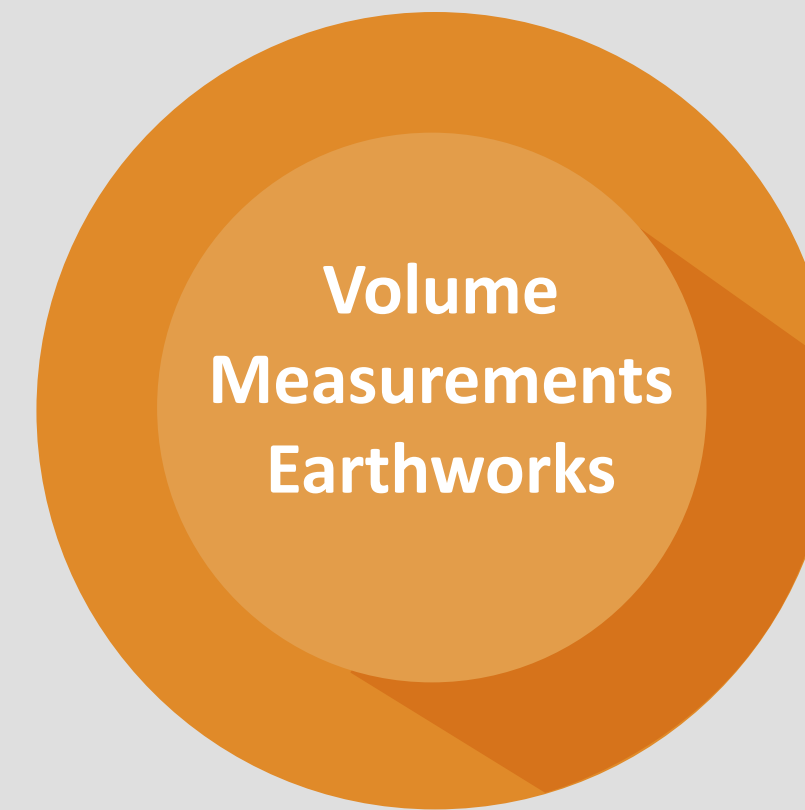
Use case presentations to explore yourself are available on demand



Accurate visual representation from your desk, eliminates working at height, improves safety and efficient decision-making



Quick and safe identification of issues, preventive maintenance for optimized energy yields and losses



Precise measurements, reduced labor -and rework time & costs, and improved project planning

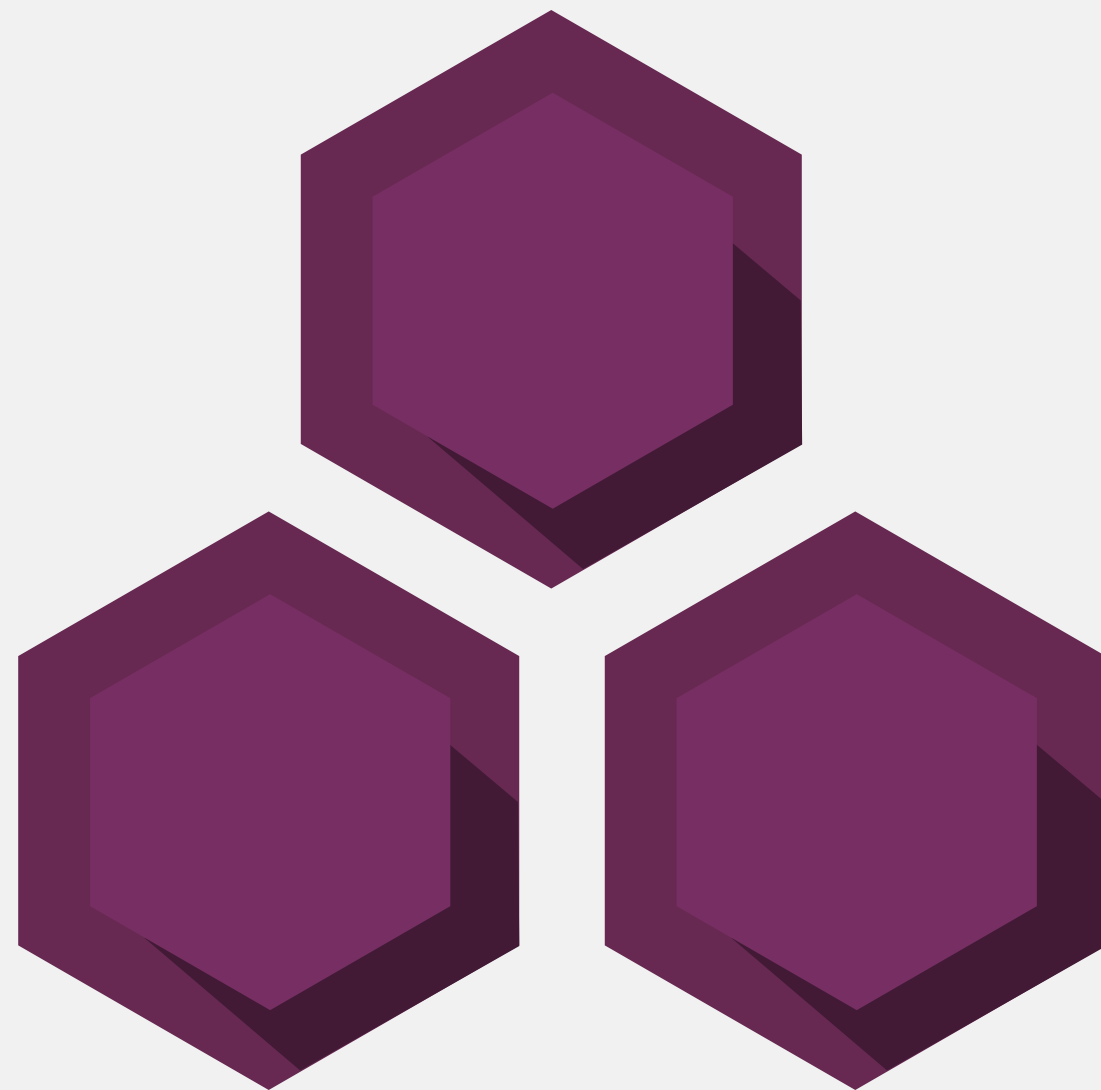


Detailed spatial analysis from your desk, eliminates physical revisits and cost efficient walkthroughs and training

Our challenges

Regulatory Compliance

Adhering to varying and complex regulations for drone operations, thermal imaging and 3D scanning across different regions and industries, ensuring all services meet legal and safety standards



Strategic Partnerships

Building strong, long-term relationships with key players in construction, energy, facility -and infrastructure management, which is essential for business growth and market expansion



The start-up Founder



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