

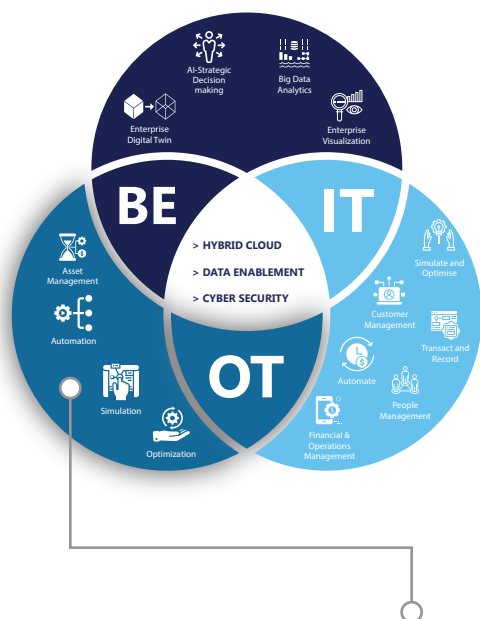


4Sight Operational Technologies

2021



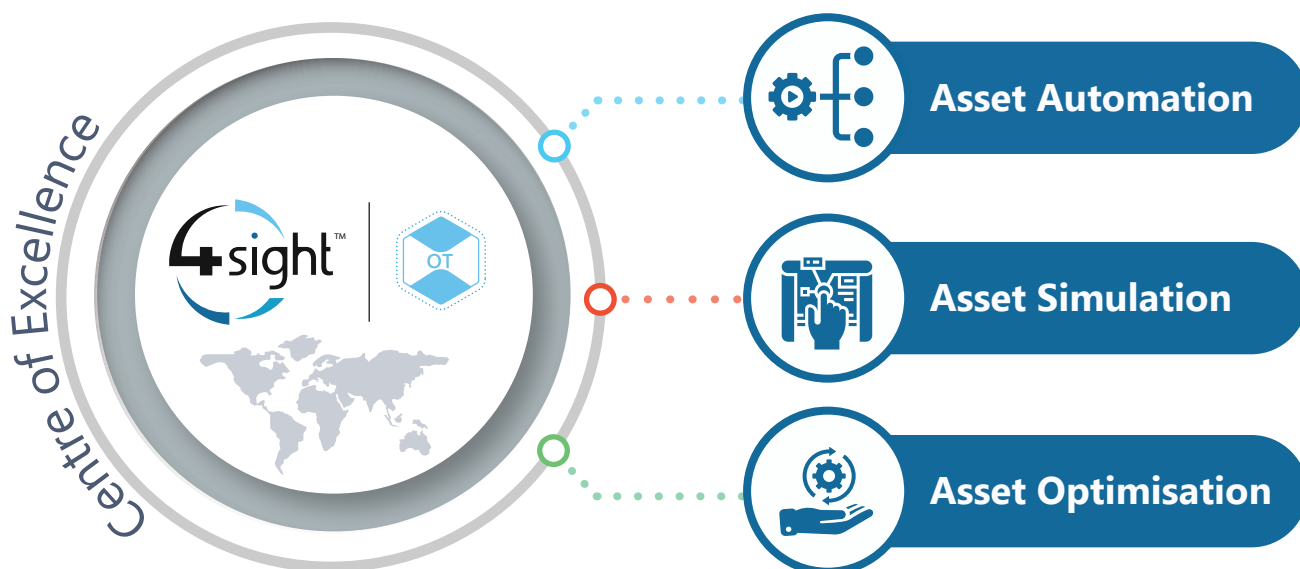
About us



The Operational Technologies (OT) Cluster provides key 4IR technologies and services needed to help industrial customers with their full end-to-end digital transformation journey, while following a cost effective and low risk self-funding methodology. This allows customers to remain competitive in the digital economy while making sure any digital initiative has a 6-month or better return on investment (ROI).

4Sight Operational Technologies

We enable our customers to digitally transform their operations using best in class technologies. Transformation activities include asset automation, optimisation and simulation. Our solutions include IIoT, automation, systems integration, MES systems fully integrated with ERP for real-time insights, advanced process control, prescriptive maintenance, production scheduling, digital twin simulations, SHEQ and environmental solutions. Our deep domain engineering experts implement and support our various operation solutions.



A Proud International Footprint

Over **3,000** customers and partners across **67** countries

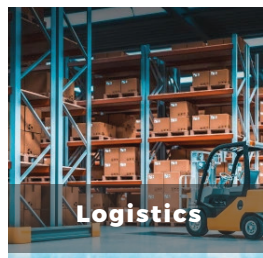
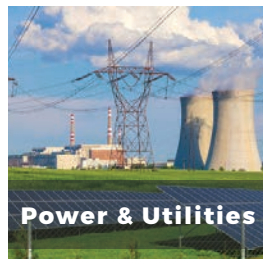


Customer References



Industries we serve

We work with leading companies in various industries to drive profitability and maximise return on investment. Our competent, industry-experienced engineers are well versed in helping clients to push the boundaries of what's possible across engineering, operations and performance.



Deep Domain and Resource Capabilities



Asset Automation

 **35x**
Resources

(Engineers, Technicians & Admin)

- Automation
- Instrumentation
- OT / ITC / Cyber Security
- Commissioning
- Electrical

 **25x**
Operating
Years



Asset Optimisation

 **25x**
Resources

(Engineers, Data Scientists & Admin)

- APC: Chemical Engineers
- APM & Apps: Mechanical, Electrical, Chemical Engineers & Data Scientists
- MES: Electrical & Data Industrial Engineers

 **18x**
Operating
Years



Asset Simulation

 **24**
Resources

(Industrial Engineers & Admin)

- Simulation
- Scheduling
- Logistics and Warehousing
- Digital Twin
- BI and Analytics

 **17x**
Operating
Years

Collaboration with
4Sight IT & BECluster Vendors



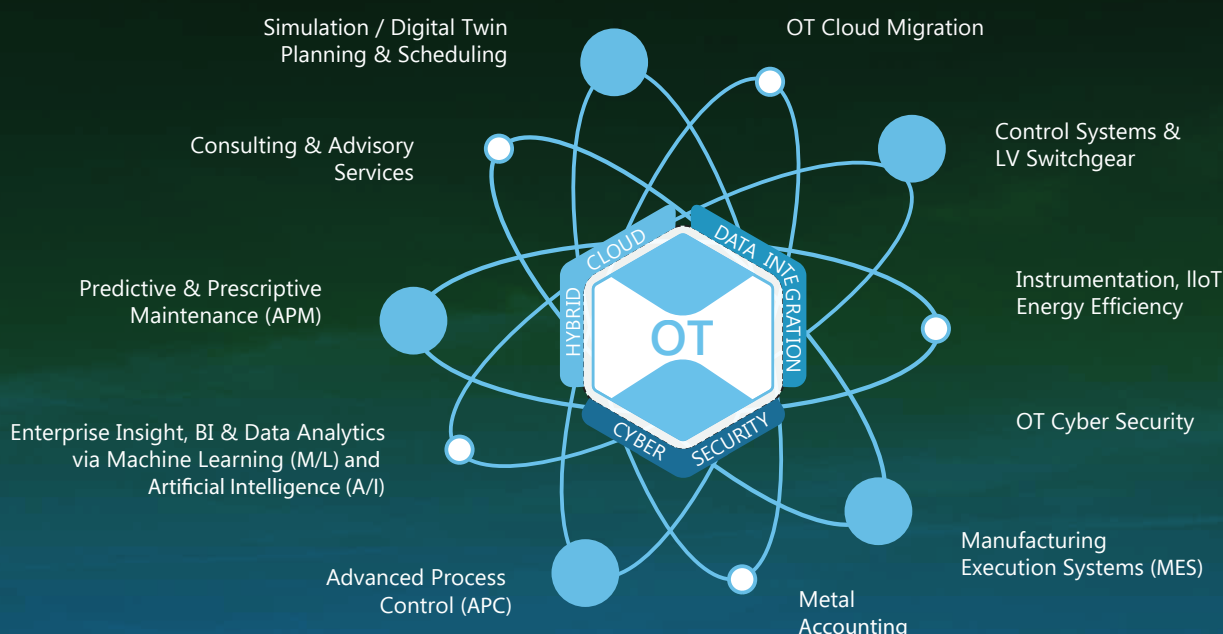
300x

IT, ERP & Data Enablement Resources
Design, Install, Test, Services & Managed Services

Total Solution Offer

We believe that the key characteristic of 4IR is the intelligent use of data to support better decision-making in near real time. This is critically important in today's hyper-competitive digital economy in which the ability to pivot rapidly in response to changing market conditions or customer demand is vital. To realize the true value of 4IR technologies, organisations will need to evolve so that people and technology also converge.

4Sight OT Solution Offer:



We strive to help Industrial Companies to benefit from achievable results across the entire value chain.

Safer > Greener > Longer > Faster

average
↑20%
Workforce
Safety
Improvement

average
↑15%-20%
Energy Efficiency
Improvement

average
↑20%
Sustainability /
Carbon Footprint
Improvement

average
↑25%
Equipment
Availability
Improvement

up to
↑+6 weeks
Failure Prediction

↑30%
Faster Engineering

↓30%
Maintenance Cost
Reduction

↑3-4%
Yield improvement

↑5%-15%
OEE Improvement

Industry Challenges

Digital Transformation

Our mission is to digitally transform the industries we serve by optimising their assets to run faster, longer, safer, and greener. Our solution offering and integrated services represent the industry standard in asset automation, simulation and optimisation, helping hundreds of thousands of users at over 3,000 companies drive profitability faster and more effective than ever before.

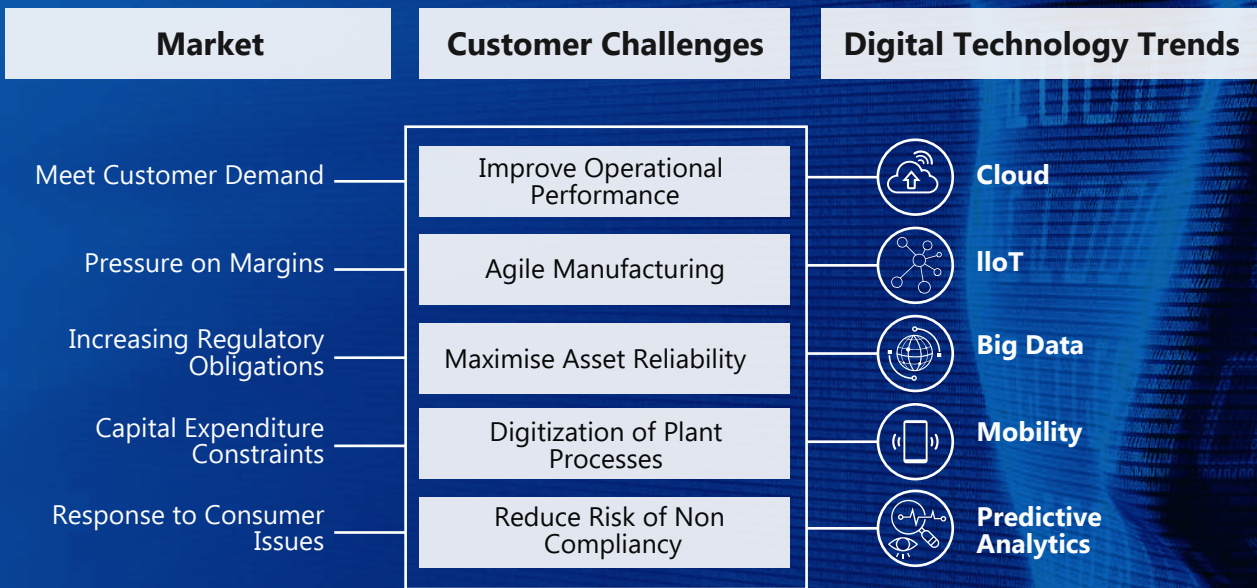
To remain competitive, manufacturers are continuously looking for ways to make the most of equipment and resources. Technology advances like the Industrial Internet of Things (IIoT), predictive analytics, cloud, mobility and workflow enable manufacturers to improve operational performance and sustainability, and to reduce the cost of regulatory compliance and safety. Complete digital transformation isn't likely to occur overnight: but step-by-step in order to support shifting priorities and business strategies. 4Sight Operational Technologies bridges the IT/OT divide by taking an incremental approach to digitization through connecting people, processes and systems.

Across process industries, companies are faced with global economic challenges, dynamic market conditions and competitive pressures to improve quality and reduce time-to-market for new products and processes. Organisations must find innovative ways to reduce capital and operating costs while increasing engineering efficiency to optimise plant performance and maximise profitability.

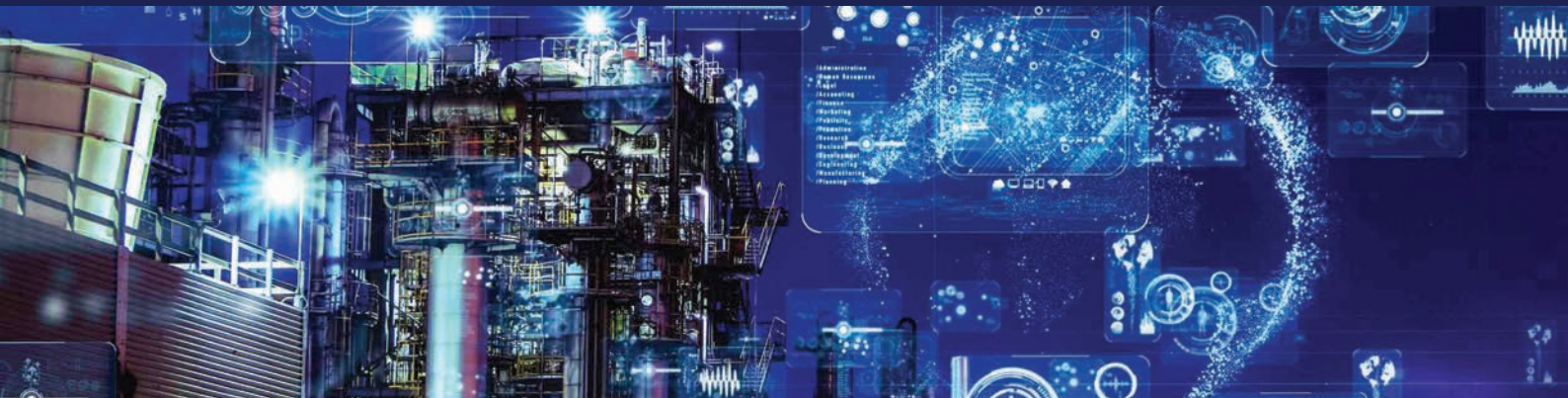
INNOVATION-FOCUSED TRANSFORMATION

We support our customers by identifying business issues, challenges, and inefficiencies and then develop data-driven AI solutions to solve and increase business and technology efficiencies. With 'customer intelligence', we open a new world of business innovation focused on determining the optimal offerings to take to market, at the correct price to grow market share.

Facing Industry Challenges



Digital solutions can help companies reduce complexity and optimise business and operational performance.



As a leading System Integrator, 4Sight AGE Technologies integrate various products and solutions into one seamless system that adheres to client specifications. The manufacturing facet of every project is unique and comprises of various value-added services to complementing each solution.

Solution Offer



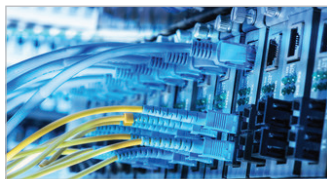
Intelligent Motor Control Solutions

We provide smart solutions for your motor control, power quality, and energy management challenges. We use industry-leading components that provide the most comprehensive process control and energy management capabilities in the industry including: overload controllers, process and machine drives, surge protection, circuit breakers, power metering and enclosures.



Process Automation Systems

We are driven by our clients' successes, and with this in mind we dissect a client's processes to effectively conceptualize, design and implement an entirely integrated system that meets all requirements. At 4Sight AGE Technologies we utilize the best automation and electrical equipment, drives, power and energy products from industry leaders. All our engineered systems are developed under an ISO-certified quality management system and undergo Factory Acceptance Testing (FAT).



Industrial Information & Communications Technology

We supply networks for high performance machine applications. Industrial Ethernet has the requisite level of robustness and reliability, connecting all the levels of your business, from plant floor to enterprise, using one common technology.



Energy Management

We provide electrical power meters, energy meters and power monitoring software for power monitoring and energy management.



Instrumentation

We supply and support a wide range of process instrumentation that provides high quality measurement solutions to monitor and provide analysis of your plant.

Services:



Technology Partners:



www.age.co.za





4Sight SET is a consulting company and a leader that specialises in creating accurate, discrete-event computer simulation models. These models consist of complex systems within mining, rail, logistics, manufacturing and service industries.

Solution Offer



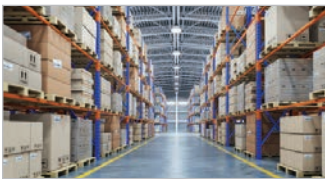
Process Simulation

We specialises in simulation modeling, a way to create an exact mirror image of your business processes. This mirror image, or “digital twin”, behaves the same way as the current system, but it all takes place within a virtual environment. Over the past decade we’ve grown our business, with over 260 successful projects located in 20 different countries. This means that we understand different working environments and operating procedures.



Planning & Scheduling

We provide advanced scheduling solutions with the use of the Simio Risk-Based Planning and Scheduling (RPS) software. We assist customers to predict risk, manage uncertainty and align operations. Unlike other scheduling solutions, Simio allows you to perform Risk Analysis in Real Time!



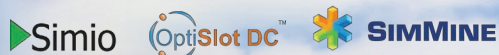
Logistics & Warehouse Optimisation

We also provides expert warehouse solutions for optimisation with the use of the Optislot software, developed by Opricity. We assist warehouses improve ROI by optimising operations with advanced slotting technologies. Benefits include: increased efficiencies and labour reduction.

Services:



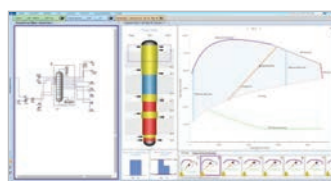
Technology Partners:





4Sight BluESP is an engineering technology company that focuses on delivering software solutions to the mining and manufacturing sector. These solutions enable companies to optimally operate processing plants or streamline manufacturing processes to maximise revenues, eliminate inefficiencies and minimise costs.

Solution Offer



APC (Advanced Process Control)

Maximise production & improve reliability in ever changing upstream conditions. Increase production up to 5%, reduce energy usage & mitigate process upsets with Advanced Process Control technology designed for upstream processes.



MES (Manufacturing Execution System)

Bring together the power of data to operate your plant more efficient, with advanced visualisation software that helps production, quality and process engineers remedy and avoid events that limit production profitability.



APM (Asset Performance Management)

Maximise Safety, Sustainability and Productivity by Turning Unplanned Downtime into Planned Downtime. Industry-leading solution combines machine learning with predictive analytics to anticipate issues before they occur. Keep assets running at peak efficiency, improve safety and eliminate costly unplanned downtime.



APPS & Analytics (Actionable Insight)

We offer a suite of software, analytics and apps that collects and analyses data across different datasets presenting powerful visualisation to help users understand the information and make smarter and faster decisions to improve operational excellence.

Services:



E-LEARNING



CLASS ROOM
TRAINING



VIRTUAL TRAINING



SERVICE LEVEL
AGREEMENTS



CONSULTING



ON SITE SUPPORT

Technology Partners:

 Partner

www.bluesp.co.za

Professional Excellence

Services for every phase of your asset's

4Sight OT's team of Professional Services is distinctively qualified to help you transform your business. By leveraging our best-in-class software, consulting services and vast domain expertise our clients achieve superior financial and operational results.

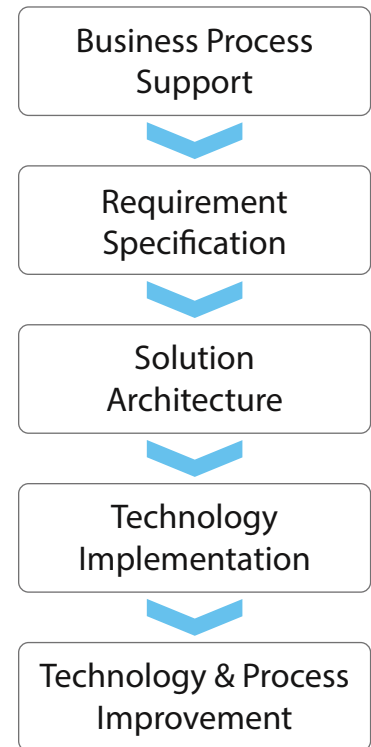
PROFESSIONAL SERVICES

Seamless integration of services, technology and execution expertise will help customers accelerate the realisation of their digital transformation vision. The 4Sight OT Engineering team has the experience and capability to **DESIGN**, **ENGINEER** and **DELIVER** an end-to-end solution to enhance production improvement.

4Sight OT's Professional Services Centre of Expertise, has global project experience and excellent resource capability.

Leading-edge Toolsets allow the design, engineering and design of projects to be shared across teams in different locations and countries.

Professional Services Engagement Lifecycle



Contact Detail



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