

IZINGA

INTEGRATED SOLUTIONS

**YOUR PARTNER IN ENGINEERING, MAINTENANCE & ASSET PERFORMANCE MANAGEMENT
CONSULTING, SERVICES & SOLUTIONS**



OPTIMIZE. INNOVATE. ACHIEVE.



About us



Izinga Integrated Solutions is an Engineering, Maintenance & Asset Performance Management (APM) Consulting, Services, and Solutions Provider, providing bespoke solutions integrating our extensive industry knowledge and real-world exposure across the Engineering, Maintenance & Asset Performance Management spectrum.

From strategy development and planning to innovative systems, services and solutions, our focus is always on building an efficient and results-driven relationship with our client base. Our business is founded on 20 years of industry experience within the Automotive, Healthcare, IT and Telecoms, Mining and Minerals, Buildings & Facilities, Construction, General Manufacturing, Food & Beverage and Heavy Transport industries. We offer a partnered approach to a full spectrum of Engineering, Maintenance & Asset Performance Management systems, services and solutions designed around our clients' needs.

We are a growing organization with a culture of being at the forefront of cutting-edge technology and innovation. Our vision is to be the leader in the Maintenance & Asset Performance Management services and solutions space within our selected target markets.

Since the formation of Izinga Integrated Solutions, we strive to deliver solutions aimed at maximizing return on asset investments at all levels by:

- improving operational and organizational performance, efficiency and transparency
- improving profitability, sustainability, and growth
- reducing the risk and cost of regulatory compliance
- improving customer satisfaction
- creating value for all stakeholders
- creating a safe working environment for all through long term sustainable solutions

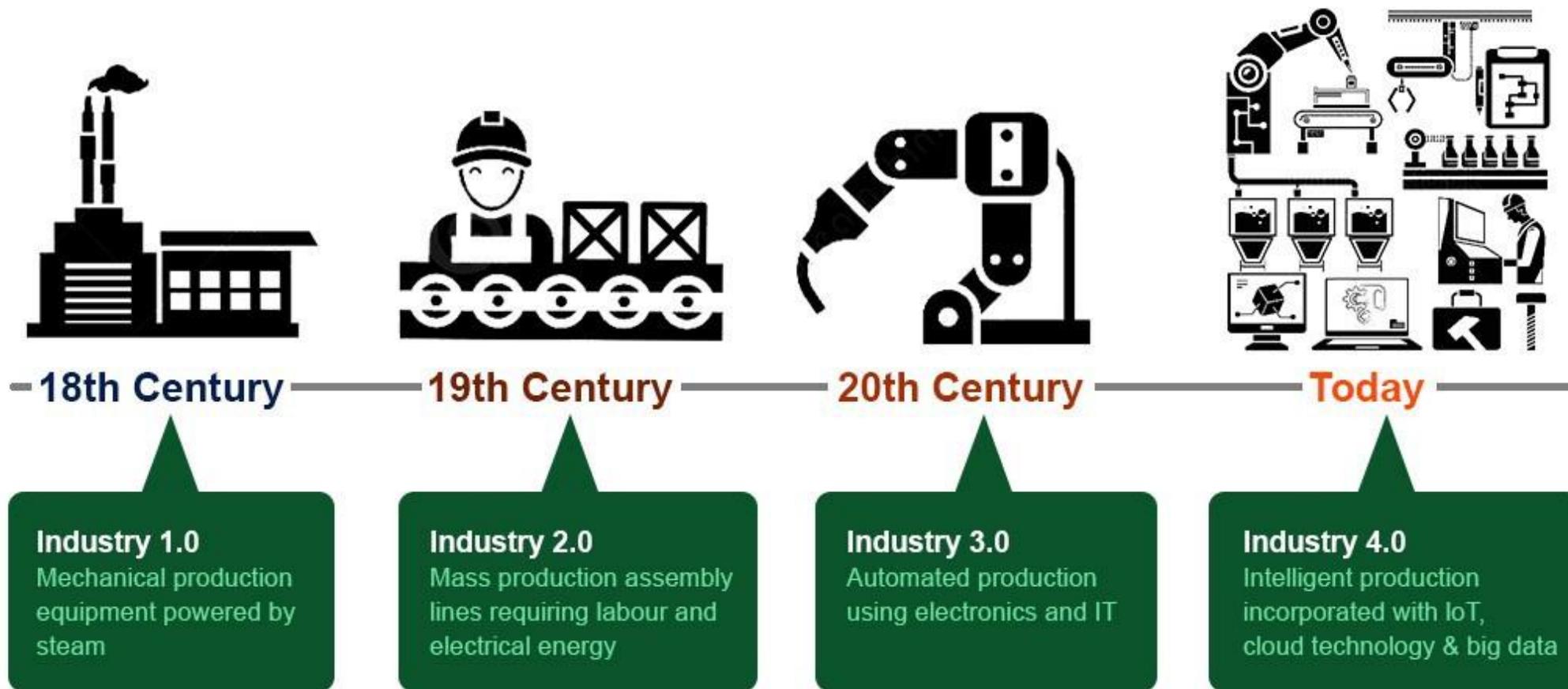
Izinga Integrated Solutions is a 100% BEE entity (Level 1) with offices in Johannesburg as well as Kwa Zulu Natal and we provide our services throughout Africa.

We will work with you to create a customized and strategic plan of action for yourself or your organization.

Get in touch to learn more about our vision, service offerings and consulting approach.



The Industrial Revolution



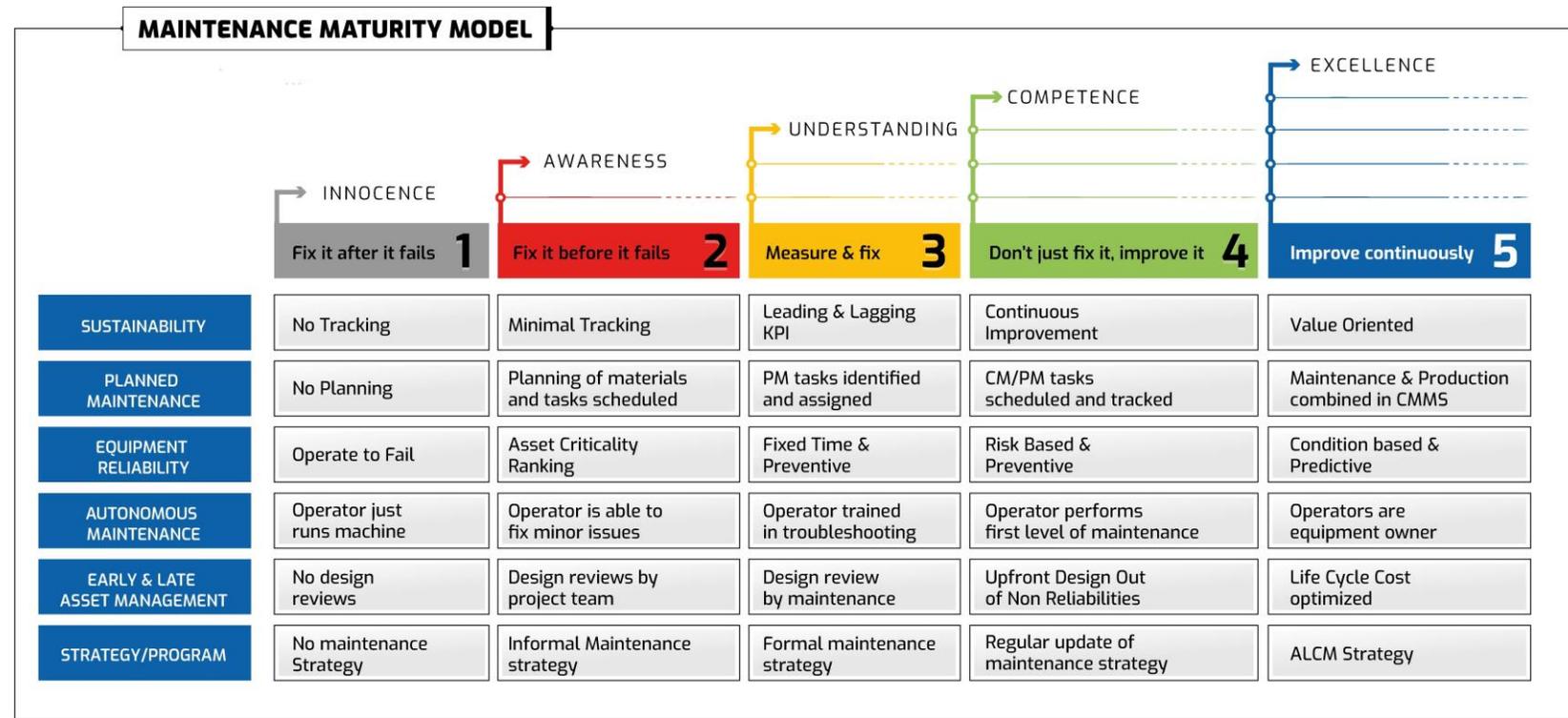
The application of digital technologies to core functions such as Reliability & Maintenance is already improving plant performance, minimizing downtime and reducing operating costs. With so many technology options, it can be difficult to know what to apply or when to apply the solution to support your journey to success.

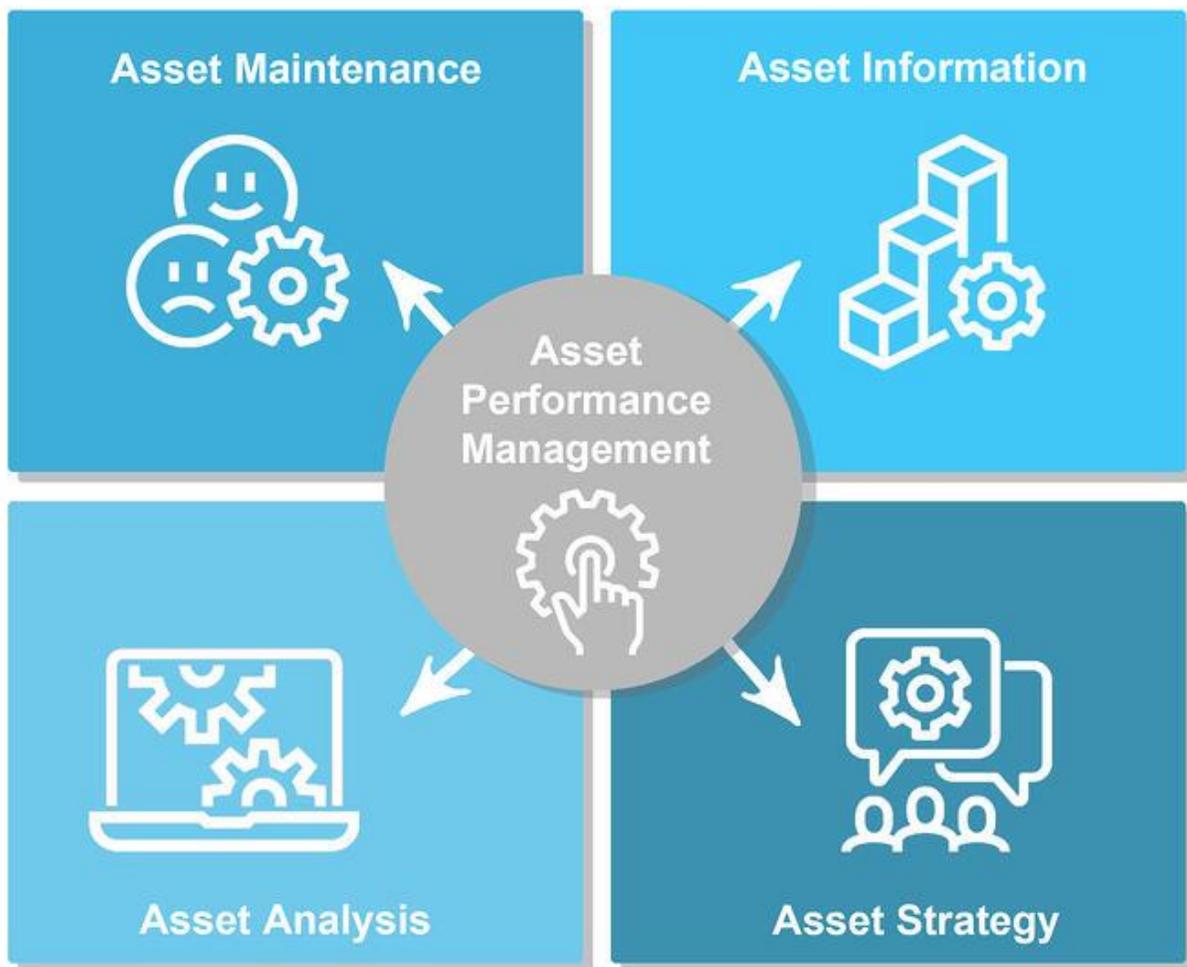
The APM Revolution

The maintenance organization of today, like many departments, has been tasked with supporting the broader efforts of World Class Manufacturing such as Six Sigma, Lean Manufacturing, and major quality initiatives.

The ability to be successful in that space lies within the practices and systems that make up the maintenance function. The key principle to remember is that “It is not just what we do, but how well we do it”.

Regardless of who does maintenance, whether it is a technical specialist or a multi-skilled artisan or a highly trained operator, robust maintenance practices are the cornerstone to World Class Maintenance, which leads to World-Class operations.



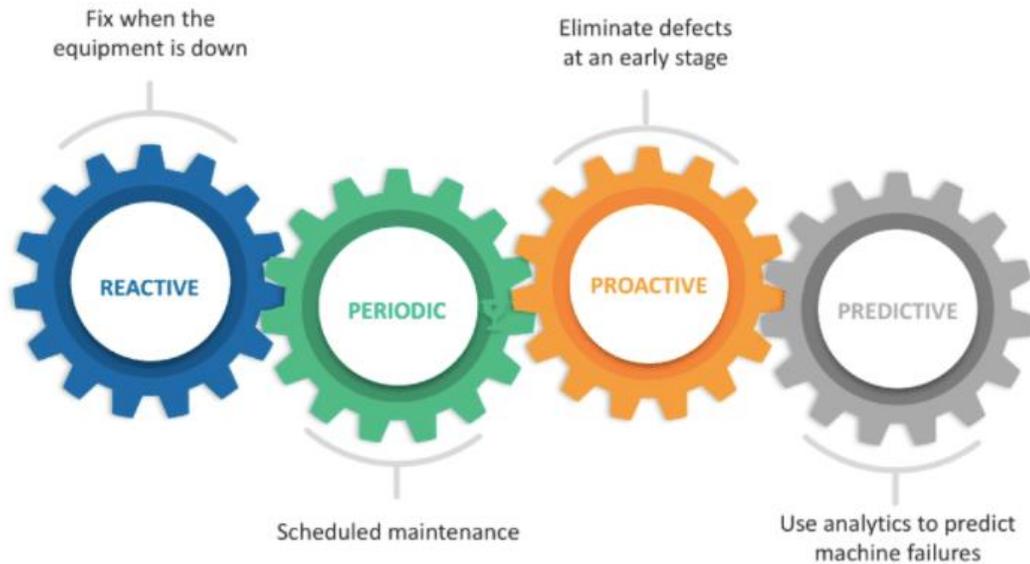


Why Consider an APM strategy?

The main purpose of asset and equipment maintenance is to ensure that all assets and equipment required for production is always operating at 100% efficiency.

We live in an age where we have access to an immense array of smart systems, solutions, and technologies, all of which are designed and developed to allow us the ability to operate and manage our plants and processes more effectively than ever before. Today, with businesses and industries so focused on the bottom line, the cost of downtime has a huge impact on profitability. Developing, implementing, and sustaining effective maintenance strategies are common obstacles for many organizations. Asset Performance management offers new opportunities to improve the reliability of industrial assets, enabling operations to progress toward reduced to no unplanned downtime, which many consider being the ultimate objective for maintenance and operations.

APM is a journey



With the right approach to asset performance management, you can now use smarter and innovative solutions to optimize performance in a way that lowers costs, reduces risks and improves resiliency.

This means analyzing multiple data sources to develop actionable insights across the business for improved maintenance and repair processes. The Right Asset Performance Management Solution could help you reduce outages by up to 50%, reduce maintenance costs by up to 40%, and extend the life of your assets by years.



Connecting the Asset Strategy to Corporate Objectives

Maintenance Maturity

- Mapping Best Practices

Performance

- Inputs – maintenance hours, money
- Outputs – Equipment Availability

Asset Care Approach

- Proactive
- Reactive

Team

- Maintenance Technicians/Users
- Reliability Engineers
- Equipment Designers/Manufacturers

Capability

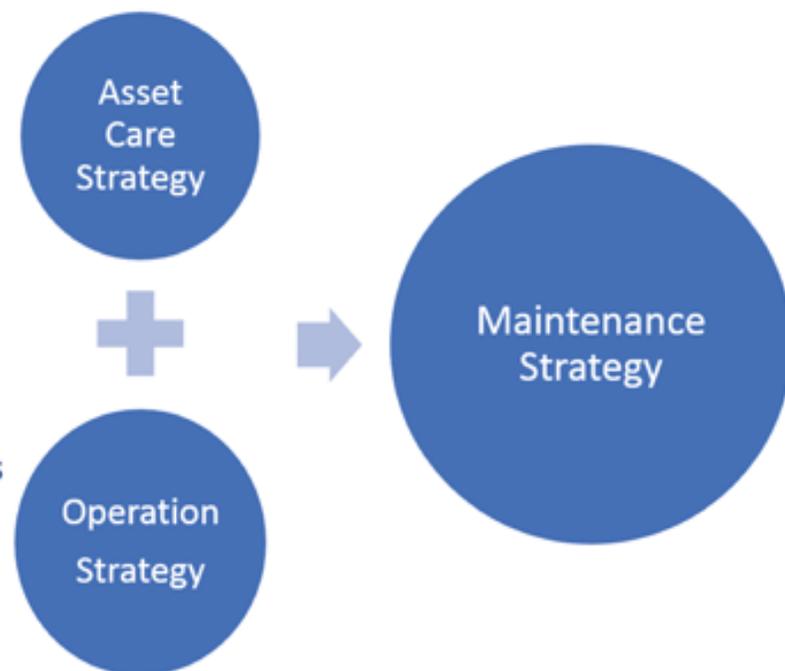
- Adopting Best Practices

Culture

- Motivators
- Rewarded Behaviour

Communication

- Economic value of maintenance ROCE, COGS.



When we think about asset performance management and maximizing the return of the capital, we've invested in our production assets, it's important to understand how a company's maintenance strategy fits into its overall business strategy.

Once this is effectively realized and understood the rewards in savings and improved efficiencies can be realized.





“When strategy, capability, and culture come together the results can be a proactive maintenance operation that provides a strategic advantage in the marketplace and adds real financial value to the organization”



OUR SERVICE OFFERINGS

WE WORK WITH CLIENTS, PROVIDING EXCEPTIONAL CONSULTING SERVICES AND SOLUTIONS THAT ARE CATERED SPECIFICALLY TO THEIR NEEDS. TAKE A LOOK BELOW AT THE SERVICES WE OFFER AND GET IN TOUCH TO ACHIEVE IMMEDIATE RESULTS.

- 1. Consulting: Introductions – What we are about and what we can do for you.**
- 2. Maintenance & Reliability Engineering: Engineered services and solutions – based on a mutual understanding of your requirements and expectations.**
- 3. Data Science and Information Management: Big Data and Information management-based solutions**
- 4. Training and Development: Ensuring the necessary skills, systems and tools are available to support the operations**
- 5. Supply of instrumentation, electrical and mechanical spares, components & equipment**



1. CONSULTING: INTRODUCTIONS – WHAT WE ARE ABOUT AND WHAT WE CAN DO FOR YOU.

- Understanding your needs and requirements through assessments and gap analysis
- APM, RCM, RBM, ROI, Technical & Skills assessments to understand the gaps and the approach to follow
- Strategic discussions on potential approaches to supporting and providing possible solutions to your problems.
- Formulation of a roadmap of possibilities based on an agreed relationship



“The maintenance strategy needs to constantly adapt to meet the challenges posed by the changing technology and evolving organization goals of a competitive business environment”



2. MAINTENANCE & RELIABILITY ENGINEERING:

ENGINEERED SERVICES AND SOLUTIONS – BASED ON A MUTUAL UNDERSTANDING OF YOUR REQUIREMENTS AND EXPECTATIONS.

- Identify asset base and develop Asset performance management solutions factoring in efficiency and operational requirements.
- Design and development of the strategic layer inclusive of plant, process and operational views using dashboards, KPI's, reporting and data viewers, asset and process monitoring tools/solutions
- Develop and/or implement engineered solutions using technologies and innovations as part of a digital transformation platform – APM suite, Predictive analytics, AI and Machine learning, digital solutions around planning & scheduling (EAM/CMMS) as well as procedures & instructions (MI's, WI's)
- Develop maintenance plans and schedules through maintainability and reliability assessments
- Analysis and/or development of equipment and asset life cycle models
- Analysis, services and solutions for condition monitoring
- Detailed, integrated implementation and execution plans with options to accommodate various implementation requirements and strategies
- Develop and optimize your automation and control platform to accommodate APM and smart maintenance management tools and solutions.
- Provision of support and execution of plant maintenance and shutdown maintenance



“World-class maintenance is a partnership between maintenance operations and production functions in the organization to improve product quality, reduce waste, reduce manufacturing costs, increase equipment availability, ensure safety to all workers, ensure a safe environment, and improve the company’s competitiveness”



3. DATA SCIENCE AND INFORMATION MANAGEMENT:

BIG DATA AND INFORMATION MANAGEMENT-BASED SOLUTIONS

- Smart capture and management of data
- Smart and customisable dashboards, KPI's, reports
- Configuration and Change Management
- Data-driven process improvement – Acquisition, Processing and manipulation of Process data
- Enterprise Asset Management solutions including inventory and warehousing
- Database design and management
- Tracking, trending, processing of historical data
- Design and Development of a full scope of maintenance documentation (MI, WI, SOP's)
- E-Library, technical libraries and paperless solutions
- On and off-site information management support



“The eco-system within an organization will change over time and the maintenance strategy needs to evolve to meet the changing business needs”



4. TRAINING AND DEVELOPMENT:

ENSURING THE NECESSARY SKILLS, SYSTEMS, TOOLS AND PROCESSES ARE AVAILABLE TO SUPPORT THE OPERATIONS

- Assessments and identification of skills
- Creation of awareness and foundational skills for maintenance excellence
- Training, mentoring and coaching
- Content development – multimedia content e.g. videos and media-based tutorials
- AR/VR solutions for immersive technical training
- 3D and Process animations
- Technical simulations
- Digital Learning Solutions
- Development of expansive troubleshooting guides
- Development of complete technical Training programs
- Provision of Technical skills



“What many fail to realize is that the way in which we learn and absorb information today is far different from years gone by and the strategy and approach are crucial. Maintenance training, developed and implemented properly, can help companies save money, increase product quality, and improve employee morale”





5. SUPPLY OF INSTRUMENTATION, ELECTRICAL AND MECHANICAL SPARES, COMPONENTS & EQUIPMENT

- **FESTO SA** – Automation, Electrical & Electropneumatic, Pneumatics, Valves & Cylinders, Robotics, Inspection and Monitoring
 - Website: https://www.festo.com/cms/en-za_za/index.htm
- **Electromechanica** - industrial switchgear, Automation, Energy management, Panels, Test and Measurement
 - Website: <http://www.em.co.za/>
- **Electrical Supplies Corporation** - industrial switchgear, Automation, Energy management, Panels, Test and Measurement
 - Website: <http://escdbn.co.za/>
- **RED METERS** – Non-Nuclear Density Meters
 - Website: <https://redmeters.com/>
- **OMRON SA** – Healthcare, Industrial Automation, Inspection Systems, Electronic Components
 - Website: <https://omron.co.za/en/home>
- **FLUKE** – Test, Measurement & Diagnostics + CMMS
 - Website: <https://www.fluke.com/>
- **SCHNEIDER ELECTRIC** - industrial switchgear, Industrial Automation, Energy management, Panels, Software
 - Website: <https://www.se.com/za/en/>
- **TURCK BANNER** – Sensors, Connectors, Cables
 - Website: <https://www.turckbanner.co.za/en/>



VALUE PROPOSITION

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- We are a growing organization with a culture of being at the forefront of *cutting-edge technology and innovation*.
 - We have the skill and know how to assist and support the specific and unique needs of our clients, at the high level of detail and at the highest quality level that our clients rightfully deserve.
 - Our clients will have Access to Extensive knowledge and experience of Maintenance, Automation, Process Control and Instrumentation – from Fundamentals through to advanced systems and solutions
 - Our clients will also have Access to Extensive industry knowledge within MMM, General Manufacturing
 - The benefit of being supported with New, smart technology *solutions that interface* with a broad spectrum of existing systems and platforms.
 - IoT and Industry 4.0 solutions that are selected and developed within platforms to suit your direct needs, we don't believe in over engineered solutions that don't deliver on our client's needs.
 - Our approach is based on the TPM (Total Productive Maintenance) model as the foundation of all our solutions and service offerings.
 - Smart, autonomous solutions development using machine learning, AI, predictive analytics and big data are models/concepts that we constantly look at as part of a digital transformation journey.
 - Technical skills development and transfer using Augmented Reality and Virtual Reality solutions.
 - Specialized mentorship and coaching interventions based on our client's needs.
 - Strategic partnerships with technology and solutions companies
 - Ecosystem of specialized and critical skills, that can be fully scalable based on our client's needs
 - Ability to provide technical skills to our clients based on their needs. This can be done either on FTC or a permanent basis.
 - We offer a **guided and collaborative approach** to ensure that our solution delivers on our client's needs.

Associations and partnerships



AVEVA Authorised Distributor



As your Maintenance & Asset Performance Management services and solutions partner, we are here to help you succeed with your maintenance vision, strategy, and operational objectives.





Contact us

Have a challenge you're trying to deal with? Contact us today and see what we can do for you.

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