



IZINGA

INTEGRATED SOLUTIONS

ENGINEERING AND MAINTENANCE MANAGEMENT SOLUTIONS

PROFESSIONAL ENGINEERING AND MAINTENANCE MANAGEMENT SERVICES AND SOLUTIONS



About us

Consulting with a Purpose

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

From strategy development and planning to innovative systems 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 Maintenance, Construction, General Manufacturing, Food & Beverage and Heavy Transport industries. We offer a partnered approach to a full spectrum of Maintenance & Asset Performance Management 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.

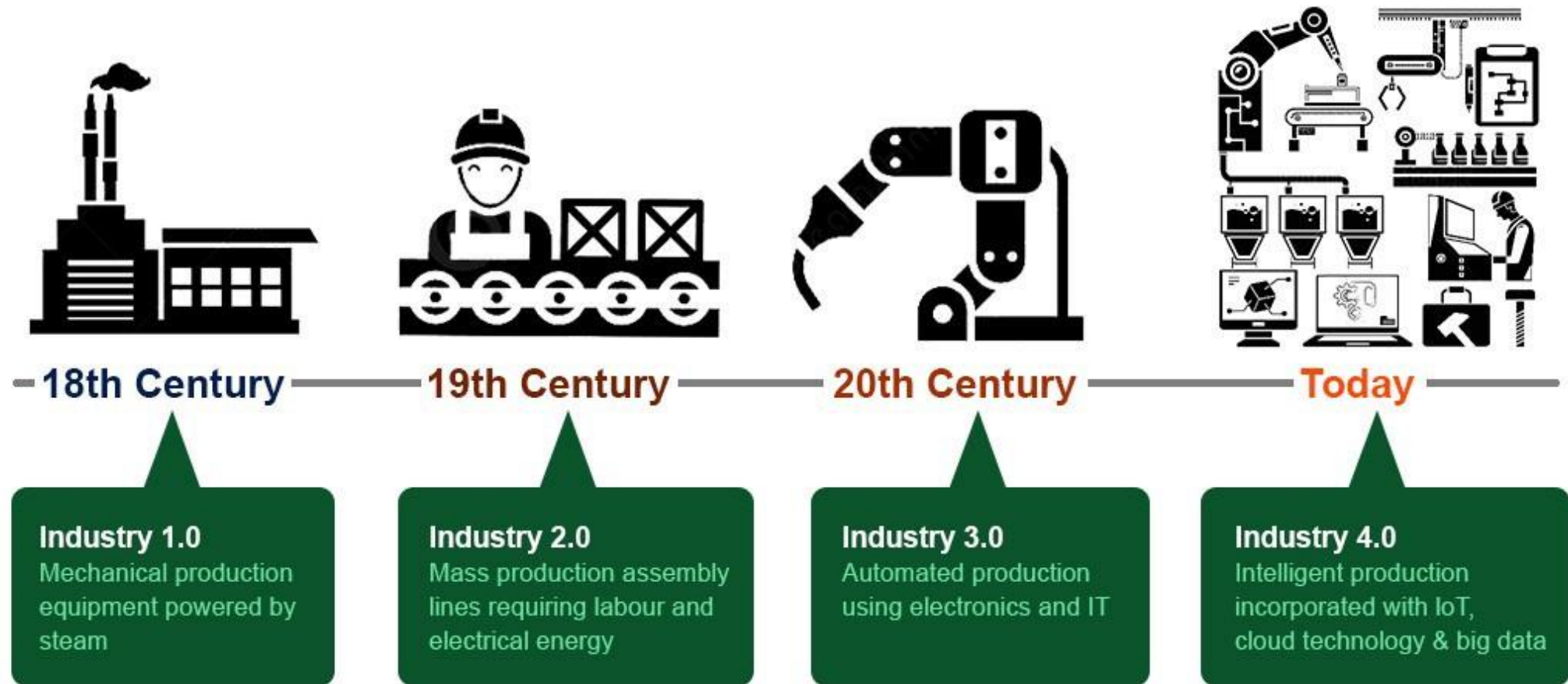
Since the formation of Izinga Integrated Solutions, we strive to deliver solutions aimed at maximizing return on asset investments at all levels by:

- 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 South 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.

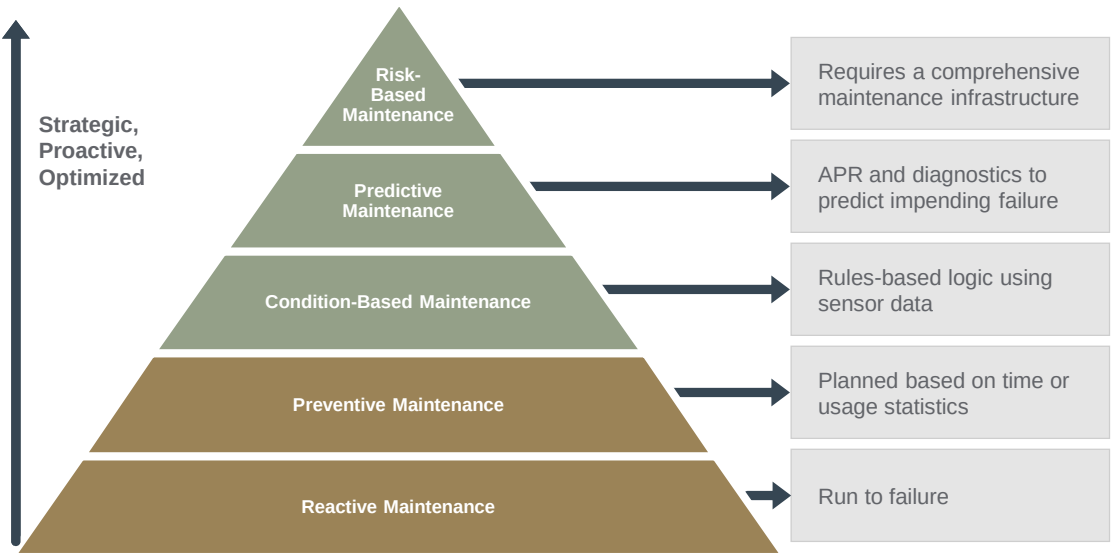


The Industrial Revolution



Connecting the Asset Strategy to Corporate Objectives

It's a Journey



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

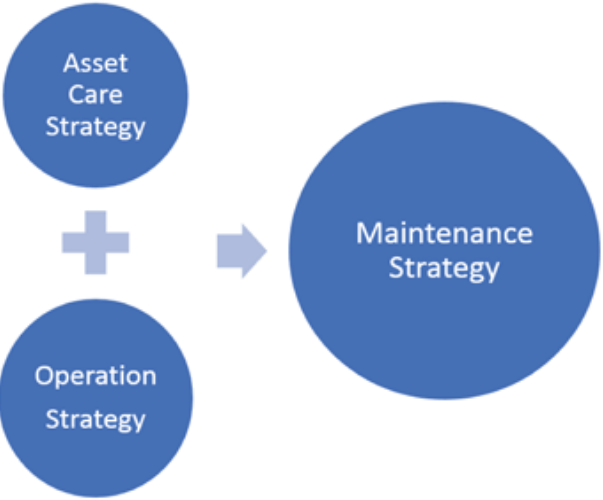
- Adopting Best Practices

Culture

- Motivators
- Rewarded Behaviour

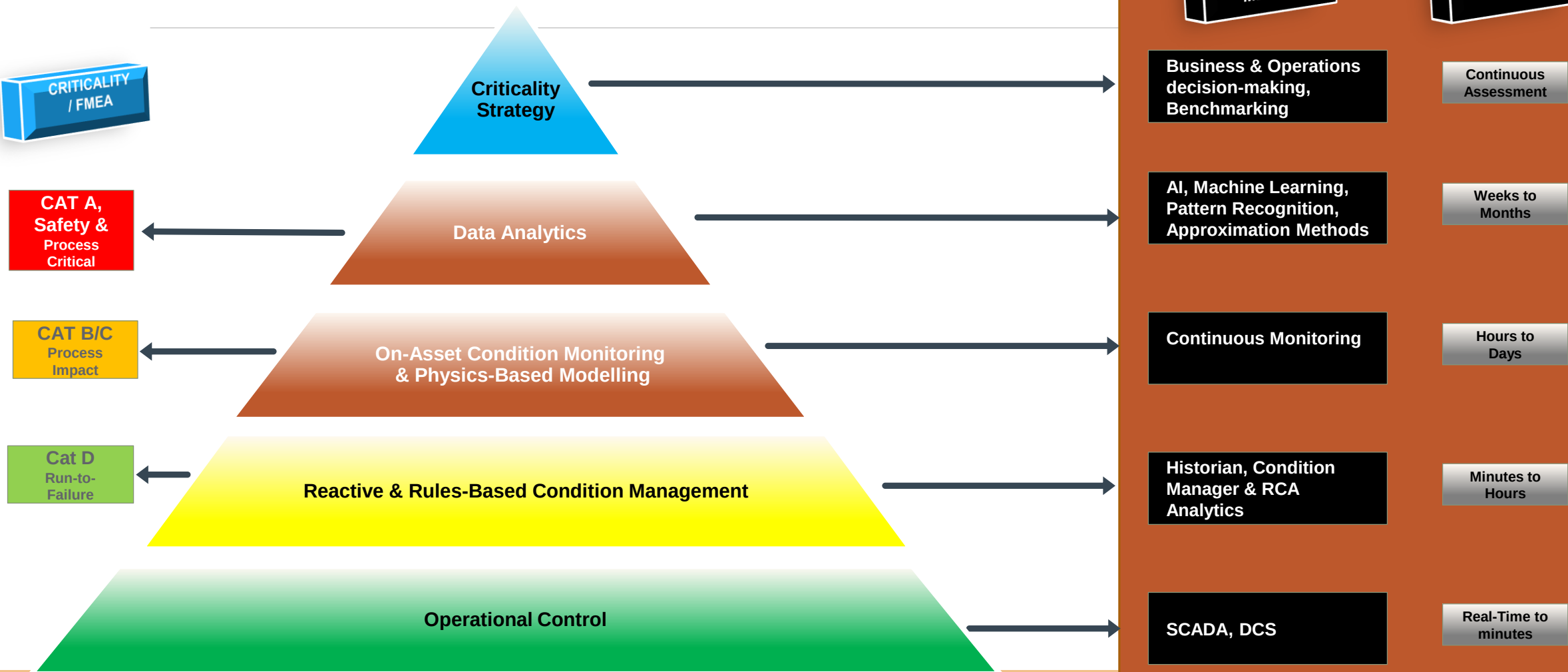
Communication

- Economic value of maintenance ROCE, COGS.





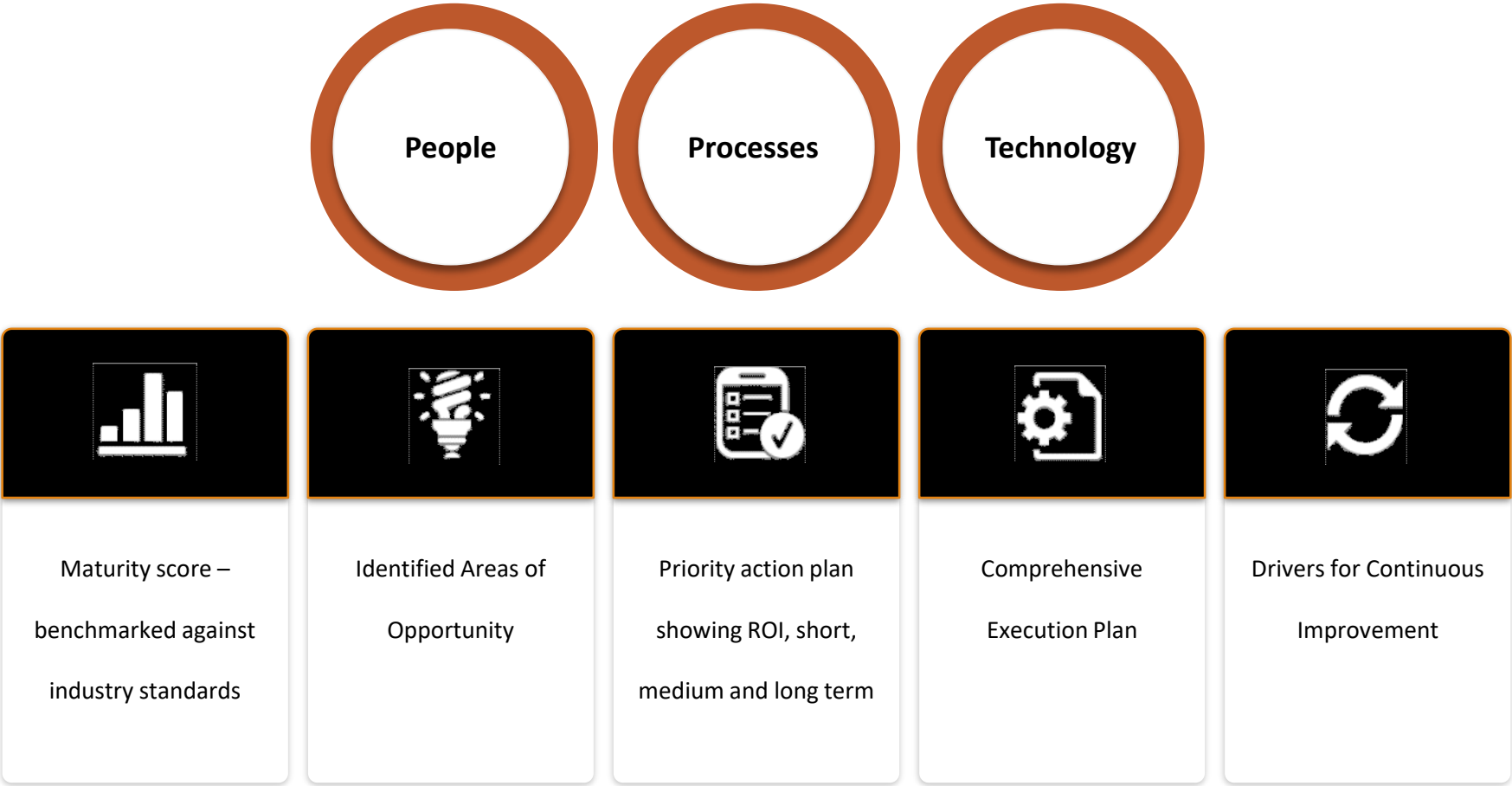
Building towards optimal Reliability & Availability





Assessment to Define the APM Journey

An improvement roadmap, current to desired state





The APM Assessment in more detail

APM organizations assessed on 14 points:

1. Asset Master Data Management
2. Asset performance objectives
3. APM Strategies
4. Planning & Preparation
5. Workflow Management
6. Inventory & Procurement
7. Monitoring & KPI's
8. Cost Management & Value Realization
9. Structural Failure Analysis
10. APM Organization
11. Skill & Knowledge Management
12. Sourcing Strategy
13. IT and OT systems
14. Continuous Improvement & Audit





Maturity score benchmarked against targets - Example



“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 (documentation) management-based solutions**
4. **Training and Development: Ensuring the necessary skills, systems and tools are available to support the operations**



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”





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.
- Consider 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)
- Analysis and/or development of equipment and asset life cycle models
- 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
- 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 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”





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
- 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”





TRAINING AND DEVELOPMENT:

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

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





VALUE PROPOSITION

-
- 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



“Izinga integrated Solutions offers Services and solutions combining consulting and unique maintenance management & optimization software, ensuring that your plant assets operate according to an intelligent plan, rather than a go-by-the-flow error-prone approach”



Contact us



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

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 South Africa

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