



MZUKULU
TECHNOLOGIES

Changing the mindset of machines from
“the cost of doing business”
to “the engine for growing business”.



MZUKULU
TECHNOLOGIES

ABOUT US

INDUSTRIAL IOT

INDUSTRIAL IT EQUIPMENT

SYSTEM INTEGRATION

INSTRUMENTATION

TRAINING & ASSISTANCE

CONTACTS



MZUKULU TECHNOLOGIES

“TAKING YOU FURTHER”

About Us

The world is flat, perhaps from a very different perspective to what our forefathers thought when they claimed that the world is flat. This is from a sense that we live in a world of a level playing field. Technologies developed in other parts of the globe are available to us within an instant. Communication is faster than ever before.

Information is now the most valuable asset to a person or organization. There is a global movement to make information even more valuable. As we connect our entire lives through smart devices, we continue to learn not only about ourselves but about each other.

Mzukulu Technologies is a company that aims to be at the core of this digitization movement. With our solid focus on implementing Industrial Internet of Things projects, we aim to show companies that this digital era is only the beginning of the journey towards business excellence. This movement will revolutionize maintenance strategies to ensure that we sweat our assets extensively.

Products/ Services

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Industrial Internet of Things

Internet of Things

Machine Learning

Hosted Historian

Wireless Valve Sensors

Industrial Tablets

Industrial PC's

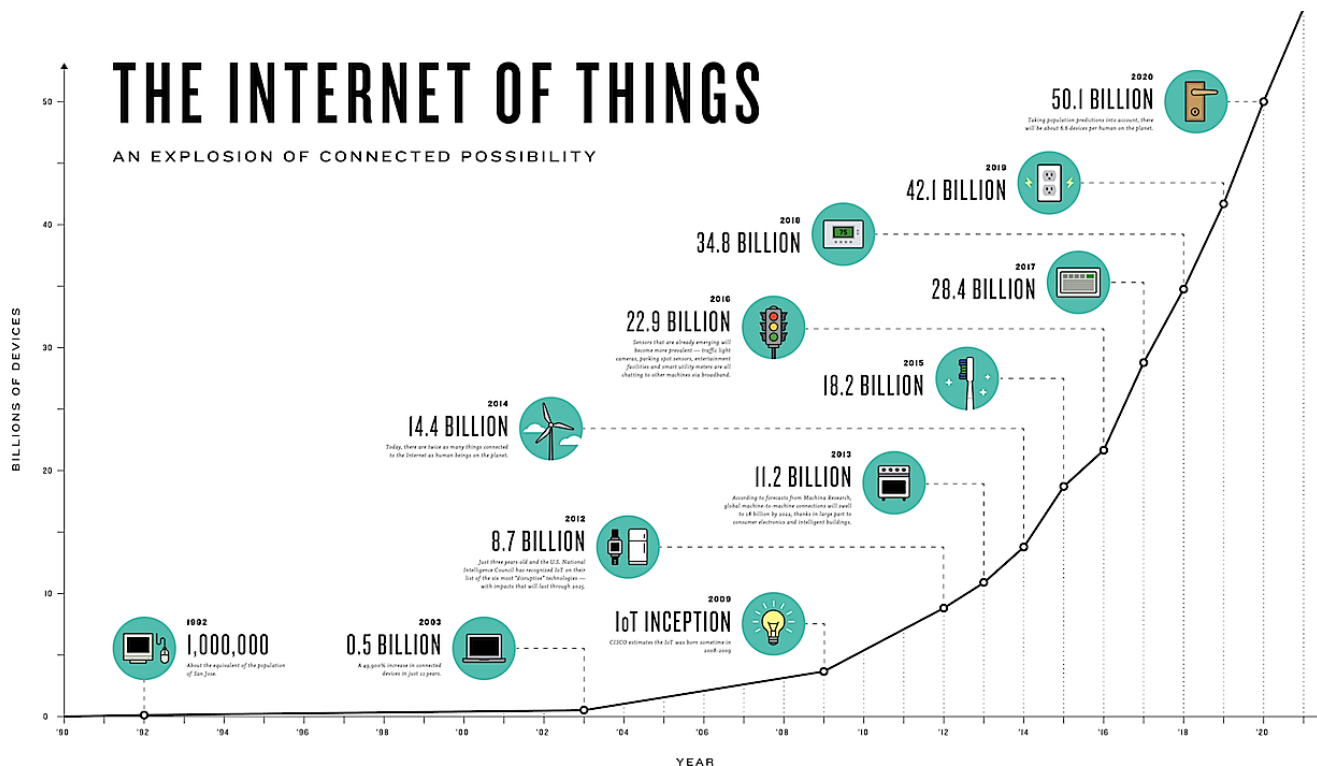
Smart Helmets

RFID/NFC Solutions

Yokogawa PIMS

THE INTERNET OF THINGS

AN EXPLOSION OF CONNECTED POSSIBILITY



INDUSTRIAL IOT

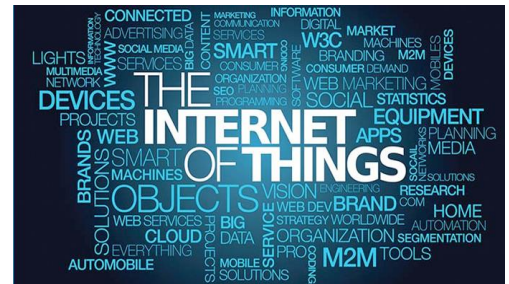
HARDWARE • SOLUTIONS

Industrial IoT is the new vehicle to a true “real-time enterprise”, leveraging on the advances in IT, Industrial IoT enables a responsiveness to business needs that were simply not achievable a few years ago.

For most managers, IIoT evokes a range of emotions, from hope and excitement to skepticism and fear. In truth, IIoT promises to help end-customers and machine builders to achieve their business goals of reducing production costs, increasing product quality, achieving efficient production control and minimizing production losses. For machine builders, this translates to reduction of machine costs, smart machine optimization, efficient machine maintenance and increasing machine attractiveness.

Industrial IoT is here, let us help your organization get on board. We promise to help you explore IIoT and understand its promise and challenges, and help you envision how IIoT can transform your organization.

In short, IIoT will enable your organization to “stay in the race, win the race and to change the rules.” In layman’s terms, it will help you to sustain existing products and services, improve them, and introduce new ones.





INDUSTRIAL IT EQUIPMENT

RUGGED
•
CUSTOMISED

Military, industrial, retail, healthcare... some environments require an IT infrastructure that can literally take a beating. For computing solutions under extreme environments, rugged is a must. Getting durability, performance and reliability in any environment is key.

We offer industrial grade IT equipment geared towards completing the IIoT ecosystem. These include embedded PC's which are compact, energy efficient, ruggedized and ready for space constrained, low-power projects.

12" Rugged Tablet – built for the most extreme environments, our 12" rugged tablet provides reliable performance and security so you can get the job done.

Rugged Extreme Notebook – built to meet the heightened needs of industrial clients, combining first class computing performance with military grade durability, capabilities and features.

Rugged Accessories – a rugged system is only as good as its weakest part. We offer ruggedized accessories ranging from carrying cases to desk and vehicle docking stations to make your rugged systems even more useful. We also offer a range of rugged data storage products, from flash drives to shock resistant drives ideal for backup jobs in an industrial environment.





SYSTEM INTEGRATION

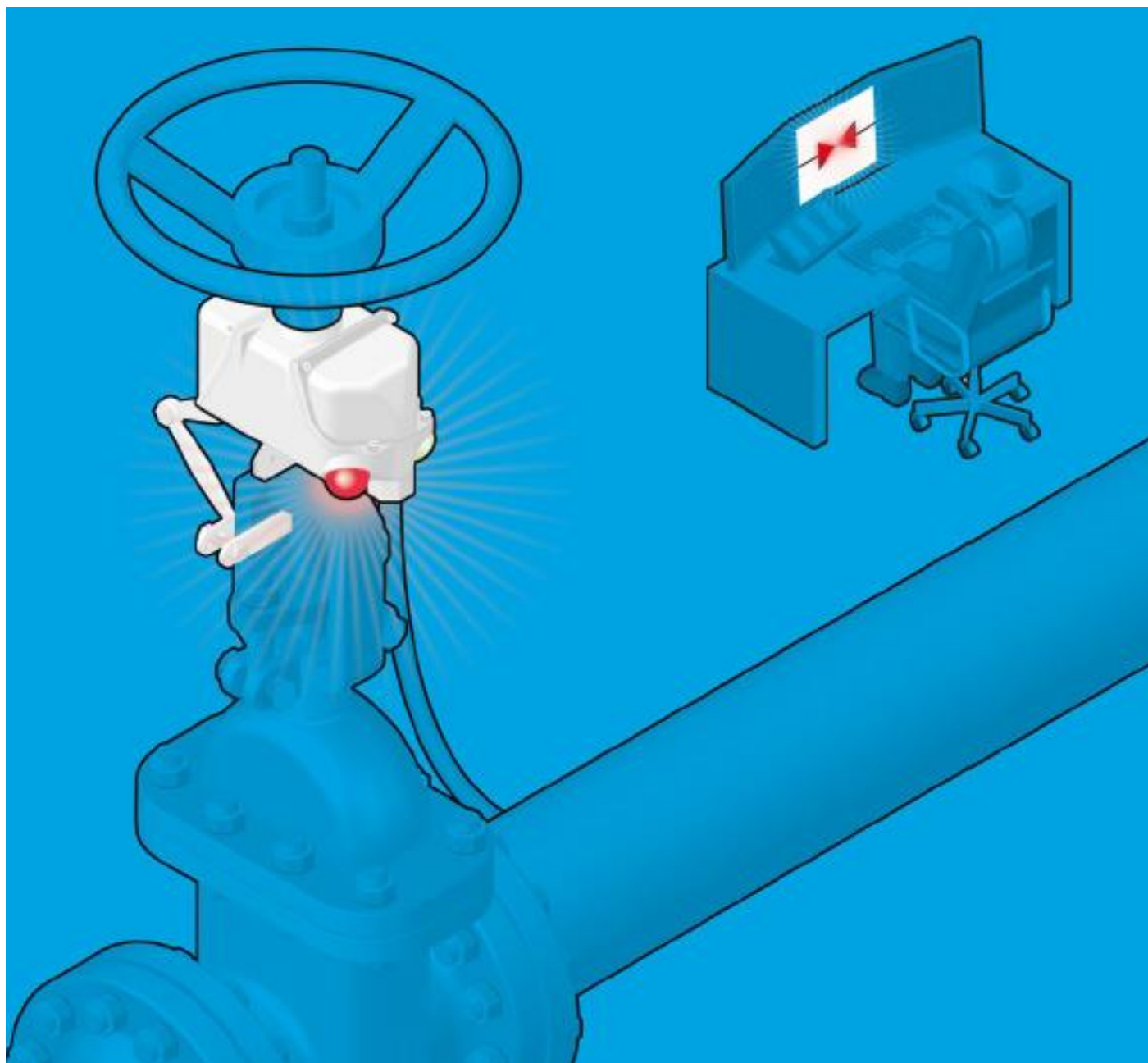
There are several challenges related to any control project involving complexity, preparation, methodology and commissioning. A system integrators role is to offer technical expertise such as auditing, justification, system evaluation, participation in installation, commissioning and startup activities in order to help achieve success for any automation project.

Through a focused approach, Mzukulu Technologies ensures that all aspects that contribute to the success of a project are well documented, these include, project scope, project methodology, Factory Acceptance Testing (FAT) protocol, etc. Such a structured approach ensures that the team has confidence in any aspect of the project during the life of the project. The results of such an approach is a system that is commissioned on time and a project that is completed on budget. The production plant ramps up to production rates in minimal time, which is where the real value of a structured approach is seen. Additional personnel leave site earlier, and the client starts to make good product sooner.

We offer technologically innovative solutions to problems related to controls and automation. Our experience with different products within the instrumentation and control ecosystem allows us to combine the correct technologies to deliver innovative solutions.

CONTROL
•
AUTOMATION





INSTRUMENTATION

SENSORS • CONTROLLERS

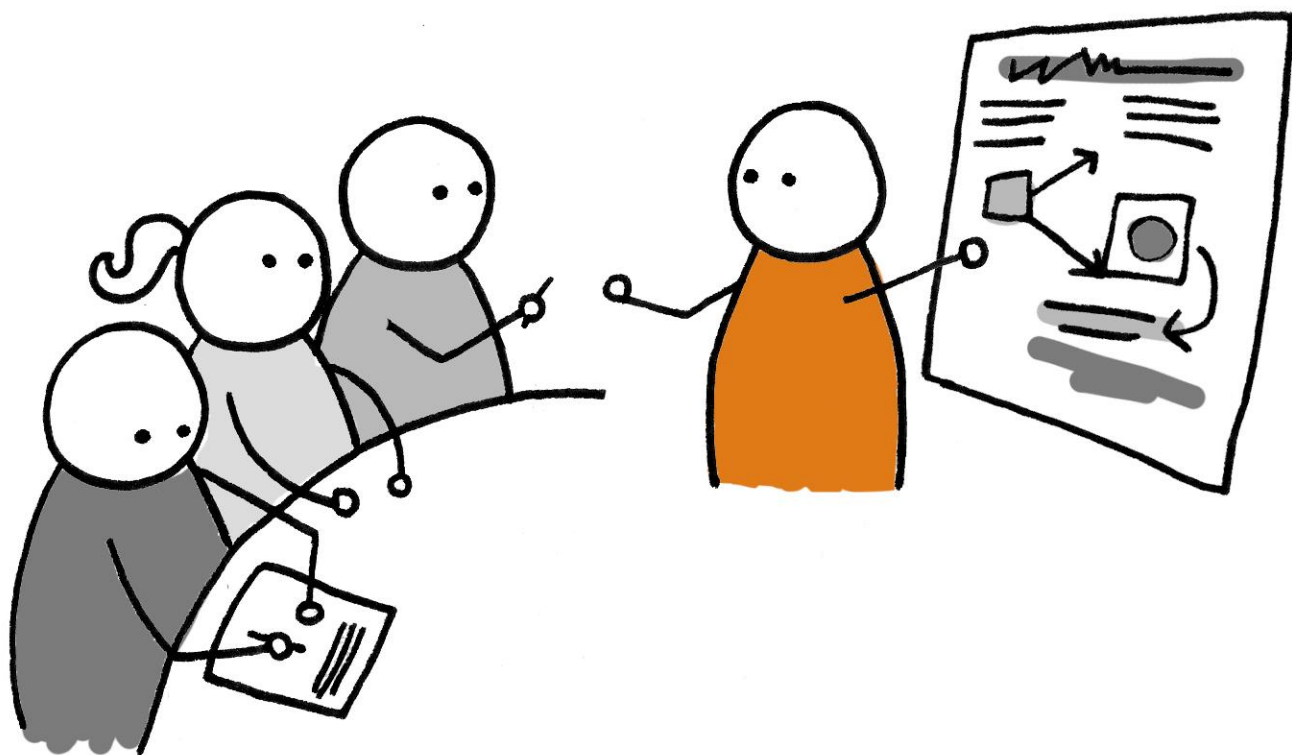
Mzukulu Technologies offers a range of sensors that are integrated into the IIoT ecosystem. These include manual valve position indicators. Manual valve position indicators seamlessly provide an overview of the positions of the manual valves within your plant network that saves costs, time and avoids safety issues due to misalignment of manually operated valves.

With the addition of IIoT gateways, the monitoring of remotely located manual valves such as those in pump stations, water distribution networks is now a possibility.

When a reliable valve position signal is all that you need, you don't need to purchase actuators with position feedback anymore. A manual valve position indicator saves you on CAPEX since it requires less purchase, installation and maintenance costs compared to actuators.

We offer manual valve position indicators that are either wired or wireless. These can be configured for onshore applications (enclosed in a high quality, powder coated aluminum, suitable for desert weather conditions) or offshore applications (316 stainless steel, with extreme durability, these can resist even the roughest offshore conditions and all weather types). Other configuration options include; detection of both open and closed positions or only the open or closed position. Local LED indicators are also available.





TRAINING & ASSISTANCE

At Mzukulu Technologies, we consider training and development to be one of our fundamental values as we believe that it has the ability to set you apart from your peers. In our quest to offer an all-round service and experience to our customers, we consider offering product related training and support to be one of our key services offered to our customers.

We offer customized training programs to our customers to make the knowledge and application of our products less tedious and most effective.

Our goal is to build and maintain a strong relationship with our customers, therefore offering post-sale product support is a key component of our customer care division. This service ensures that our customers never feel abandoned at the time when they need us most, thereby ensuring that remain efficient in what they do best.

SKILLS
•
COMPETENCE







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