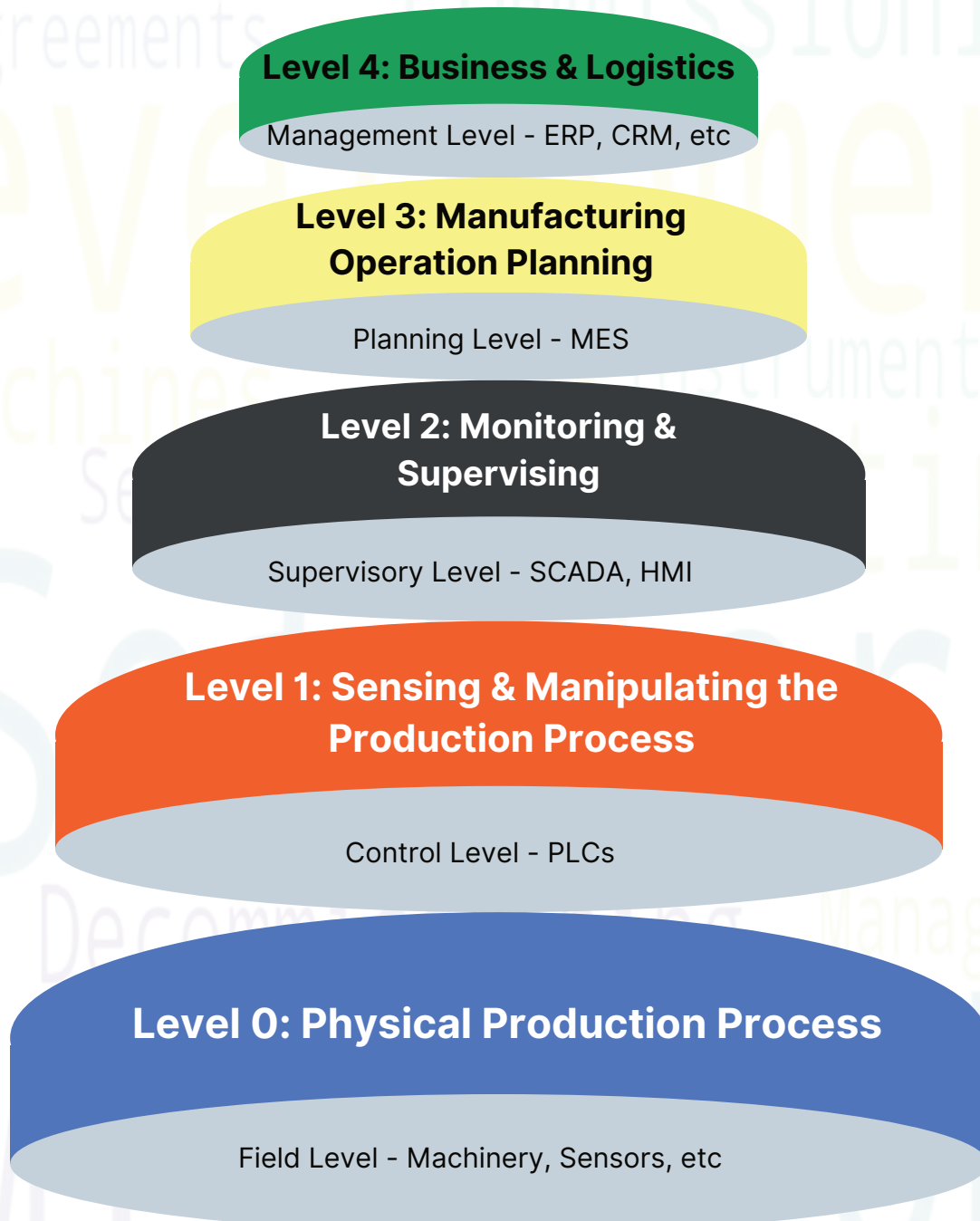


*Our services encompass industrial automation
from level 0 to level 4*



ISA-95 Architecture

PRODUCT AND SERVICE OFFERINGS

Our Services

Software Engineering

We understand the pivotal role software plays in modern industrial automation. Our software engineering services are meticulously designed to empower manufacturing and mining sectors with cutting-edge automation solutions. From PLC programming to MES implementation, our team leverages decades of expertise to streamline processes, boost efficiency, and drive productivity.

Partnering with industry-leading OEMs, we deliver unparalleled software solutions that drive tangible results. At ManTech Systems, we are not just engineers; we are your trusted partners in digital transformation.

PLC Programming

Our skilled engineers meticulously analyse operational requirements to develop customised PLC programs that automate crucial processes. Prioritising precision and reliability, we seamlessly integrate these solutions to optimise performance, empowering our clients' systems to achieve peak efficiency.

HMI Design and Development

In industrial automation, front-end usability is crucial. Our HMI designs blend functionality with user-friendly interfaces, enabling seamless interaction between operators and machines. From user-centric design principles to intuitive controls, we prioritise usability to boost productivity across factory operations.

SCADA Design and Development

SCADA are the pillars of modern industrial control systems. At ManTech Systems, we design robust SCADA systems tailored to your unique requirements. Real time monitoring, remote access, and predictive analytics empower you to make informed decisions and optimise operations.



PLC Programming



HMI Design & Development

A close-up photograph of a SCADA control panel. It features a digital display showing '0.00' in red, several analog gauges, and a complex array of red and blue terminal blocks with wires connected to them. A laptop is visible in the background, displaying a software interface.

SCADA Design & Development

MES & OEE Implementation

We specialise in deploying industry-leading MES solutions that provide real time visibility and control over your production processes, ensuring improved efficiency, quality, and compliance. Our OEE implementation focuses on maximising equipment productivity by identifying and addressing performance bottlenecks, downtime, and quality issues.

Dashboard and Reporting

Data is the lifeblood of effective decision-making. Our manufacturing business intelligence solutions transform raw data into actionable insights. Dynamic dashboards and comprehensive reporting tools provide invaluable visibility into your operations, enabling strategic optimisation and continuous improvement initiatives.

In today's rapidly evolving industries, the role of advanced software engineering cannot be overstated. It is the cornerstone of innovation, driving efficiencies and unlocking new possibilities across every sector. At ManTech Systems, we harness this power to redefine what's possible, empowering businesses to lead with agility and precision in a dynamic global marketplace.

We understand that each industry has unique challenges, and our comprehensive approach to software engineering is designed to meet those challenges head-on, enabling our clients to achieve excellence in performance and deliver exceptional results.

A person's hands holding a tablet computer in a factory setting. The tablet displays a dashboard with various charts, graphs, and data points, representing MES & OEE implementation.

MES & OEE Implementation

A person's hands holding a smartphone and a laptop. The smartphone displays a dashboard with charts and graphs, while the laptop screen shows a world map and data, representing dashboard and reporting.

Dashboard & Reporting



Electrical, Control & Instrumentation, Installation & Commissioning

System Integration

Unlocking Efficiency Through
Seamless System Integration

Harmonising Your Automation Landscape for Enhanced Performance

Seamlessly integrating disparate automation systems is our forte. Our experienced engineers meticulously orchestrate the integration process, ensuring interoperability, efficiency, and scalability across your entire infrastructure.

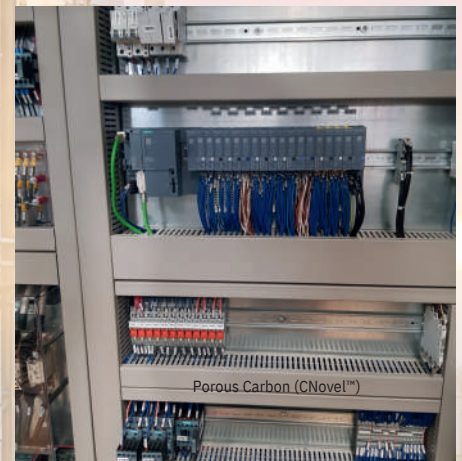


Electrical LV System Design & Installation

Powering Your Operations with
Precision LV System Solutions

Energising Automation: Safe, Reliable, and Efficient LV System

From concept to completion, we design and install LV electrical systems that form the backbone of industrial automation. Safety, reliability, and efficiency are key as we engineer solutions tailored to your specific needs.



Instrumentation Panel Design, Installation & Commissioning

Precision in Every Panel:
Reliable Instrumentation for
Optimal Performance.

Elevating Accuracy and Control in Industrial Processes.

Precise instrumentation is crucial for accurate control and measurement in industrial processes. Our expert team designs, installs, and commissions instrumentation panels with meticulous attention to detail, ensuring optimal performance and reliability.



Motor Control Center (MCC) Panel Design, Manufacturing, and Installation

Empowering Operations: Precision-Engineered MCC Panels for Enhanced Safety and Efficiency

Mastering Motor Control: Tailored MCC Solutions for Optimal Performance

As the heart of your electrical distribution system, MCC panels demand expert design and precision engineering. At ManTech Systems, we deliver customised MCC solutions that optimise motor control, enhance safety, and streamline operations.



Installation and Programming of VSDs (Variable Speed Drive)

Precision VSD Installation and Programming for Optimal Motor Control.

Expert VSD Solutions for Precise Speed Control and Enhanced Performance

Variable Speed Drives are indispensable for energy-efficient motor control. Our skilled technicians handle the installation and programming of VSDs with precision, enabling precise speed control and energy savings across your operations.



Servo-Motor and Servo Drive Installation

Empower Your Systems: Seamless Motion Control with Expert Servo Motor and Drive Solutions

Superior Servo Motor and Drive Installations for Unmatched Performance

For applications requiring precision motion control, our servo motor and drive installations deliver unmatched performance and reliability. From robotics to CNC machines, we empower our clients' systems with seamless motion control capabilities.



Commissioning and Decommissioning of Machinery and Process Plant

Smooth Starts and Safe Shutdowns: Expert Management for Your Machinery and Process Plant

From Setup to Shutdown: Ensuring Efficiency and Safety Every Step of the Way

Whether commissioning new equipment or decommissioning outdated machinery, our expert team ensures a smooth transition with minimal disruption to your operations. Rigorous testing and meticulous planning guarantee optimal performance and safety at every stage.



Breakdown and Maintenance

Stay Operational: Expert Maintenance to Prevent Downtime and Boost Productivity

Efficient Repairs, Uninterrupted Production: Your Partner in Quick Fixes and Maintenance

Downtime is costly. Our responsive breakdown and maintenance services ensure rapid resolution of issues, keeping your operations running smoothly and minimising production losses.



Retrofit and Upgrades

Future-Proof Your Systems: Tailored Solutions for Enhanced Efficiency and Performance

Revamp Your Systems: Bespoke Solutions for Improved Efficiency

Embrace the future of automation with our retrofit and upgrade solutions. From legacy systems to cutting-edge technology, we breathe new life into your infrastructure, unlocking enhanced capabilities, efficiency, and performance.



Mechanical Work

We are dedicated to crafting seamless motion solutions through our expertise in fluid dynamics and mechanical innovation. Specialising in the design, installation, and troubleshooting of pneumatic and hydraulic systems, as well as offering machinery alignment and mechanical design services, we epitomise engineering excellence in every aspect of our work.



Project Management and Turnkey Solutions

We specialise in delivering comprehensive Project Management and Turnkey Solutions tailored to the unique needs of our clients. With a commitment to excellence and a proven track record of success, we offer a seamless and efficient approach to project execution, ensuring timely delivery and exceptional results.

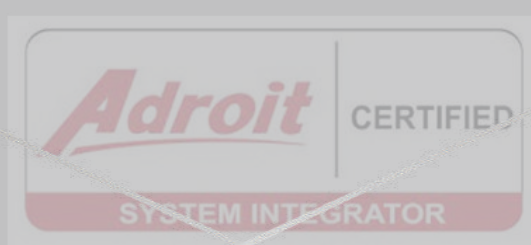
Service Level Agreements

We offer our clients comprehensive service-level agreements (SLAs) for maintenance contracts covering machinery, software systems, repairs, and upgrades. In the realm of service provision, commitment is not just a promise; it forms the bedrock of trust and reliability. We redefine conventional SLAs, presenting a unique approach where each commitment reflects our dedication to excellence, transforming SLAs into blueprints for unparalleled service quality.

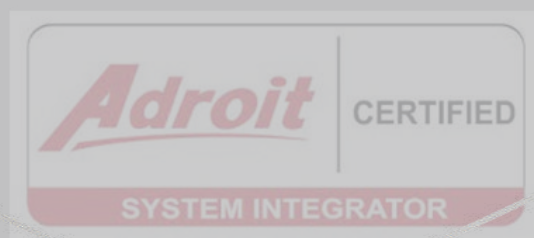


Sourcing

We take pride in offering premium sourcing services for parts and automation components sourced directly from major OEMs. With our extensive network and industry expertise, we provide a reliable and efficient solution for all your sourcing needs, ensuring high-quality products and timely delivery.



YASKAWA



YASKAWA

Workshop Address:

5 basalt Avenue
Alrode 1451
Johannesburg

Head Office

Building 29, Woodlands Office Park
20 Woodlands Drive, Woodmead
Johannesburg

Contact Details

+27 11 907 0951
info@mantechsystems.co.za
www.mantechsystems.co.za

