



# HEXALOGIX AUTOMATION

PRECISION, POWER, PERFORMANCE –  
THE HEXALOGIX PROMISE.

## Welcome to Hexalogix Automation

We are delighted to welcome you to **Hexalogix Automation**, your trusted partner in automation and electrical engineering solutions.

Since our establishment in 2019, we have been committed to driving progress through innovation, precision, and dedication. As a global solution provider, we proudly serve a wide range of industries including **oil & gas, marine, industrial & commercial sectors, transportation, pharmaceuticals, and renewable energy across Middle East and India.**

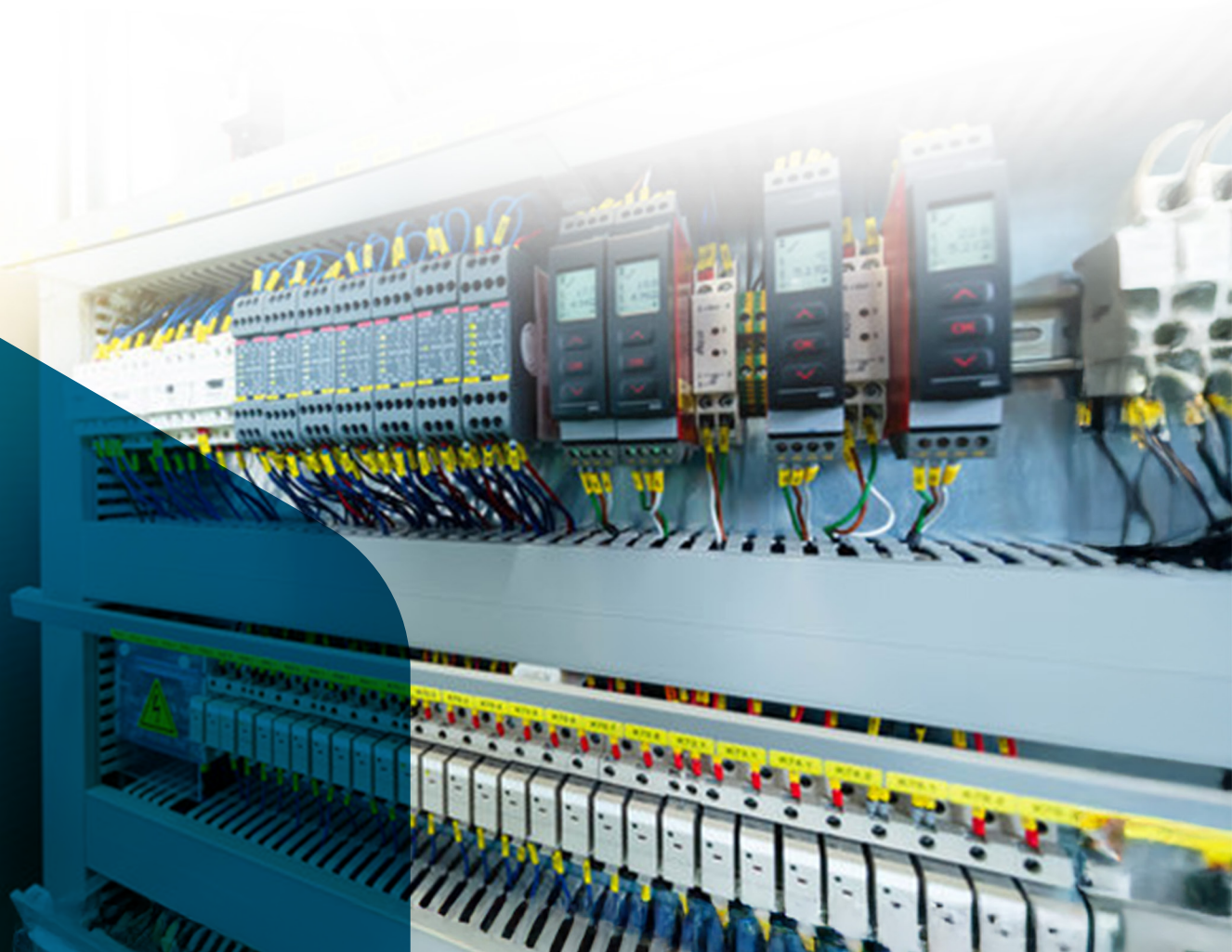
At **Hexalogix Automation**, we believe in building lasting relationships through quality, integrity, and customer-focused service. With a deep understanding of automation technologies and a skilled team of engineers, we offer turnkey solutions that enhance operational efficiency and bring long-term value to our clients.

Whether you require **PLC programming, custom control panels, HMI/SCADA development, and on-site commissioning and support**, our team is here to provide tailored, high-performance solutions backed by world-class expertise.

We invite you to explore our capabilities and discover how **Hexalogix Automation** and our division, **HLA Technical Services**, can help power your journey toward a smarter, more automated future.

Warm regards,

**The Team at Hexalogix Automation & HLA Technical Services**



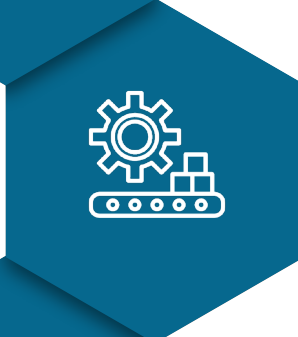


### Industrial Automation

- PLC programming (Siemens, Schneider, Allen-Bradley, Delta, etc.)
- HMI & SCADA system development
- VFD integration and motor control systems
- Remote monitoring and data logging solutions

### Control Panel Design & Manufacturing

- Custom-built low-voltage switchgear panels
- Motor control centers (MCCs)
- PLC panels, relay logic panels, and marshalling cabinets
- Panel testing, FAT/SAT, and certification



### Building & Energy Management Systems

- Integrated Building Management System (BMS)
- Energy monitoring and optimization
- HVAC controls and automation

### Testing, Commissioning & Site Support

- Pre-commissioning and commissioning support
- On-site PLC/HMI modifications and troubleshooting
- Loop checking and functional testing
- Electrical installation supervision



### Turnkey Solutions

- End-to-end project execution from design to delivery
- Documentation, panel fabrication, programming, and commissioning
- Retrofit and upgrade of legacy systems

### Marine & Offshore Automation

- Engine control & monitoring systems
- Alarm & monitoring systems (AMS)
- Integration of marine equipment automation



### Maintenance & Technical Support

- AMC contracts for industrial automation systems
- Emergency breakdown support
- Panel retrofitting, upgrades, and rewiring
- Skilled manpower for shutdowns & plant support

# Automation-Based Panels

## Engineered for Smart Control

We design and build custom automation panels that power intelligent control systems across industries. From simple relay logic to advanced PLC-HMI-SCADA integration, our panels ensure precision, reliability, and efficiency in every operation.

### Panel Types:

- PLC Panels
- HMI/SCADA Panels
- VFD & Motor Control Panels
- Remote I/O & Relay Logic Panels
- Servo & Motion Control Panels
- Built to international standards
- Brand-grade components (Siemens, Schneider, ABB etc.)
- Fully tested, labeled, and documented



Custom solutions, Seamless performance, Built to last.



## Marine Grade Control Panels

### Built to Withstand the Harshest Environments

Our marine-grade control panels are engineered for durability, safety, and performance in the most demanding offshore and shipboard conditions. Designed to meet marine and offshore standards, these panels ensure reliable power distribution, and automation systems.

### Applications:

- Sea Water Electro-chlorinator panel
- Alarm & Monitoring Systems (AMS)
- Ballast, Pump and Fan Control
- Earth leakage monitoring system
- Corrosion-resistant enclosures (IP56/IP66/IP67)
- Marine-certified components (ABS, DNV, BV)
- Shock, vibration, and saltwater resistant
- Custom design with onboard space optimization

Rugged Certified, Sea-Proven.

# Motor Control Centers (MCCs) and Intelligent Motor Control Centers (MCCs)

## Centralized Power. Intelligent Control.

We deliver high-performance Motor Control Centers (MCCs) designed for efficient, safe, and scalable control of electric motors in industrial facilities. From conventional starters to advanced automation-ready systems, our MCCs meet diverse operational needs.

### Solutions We Offer:

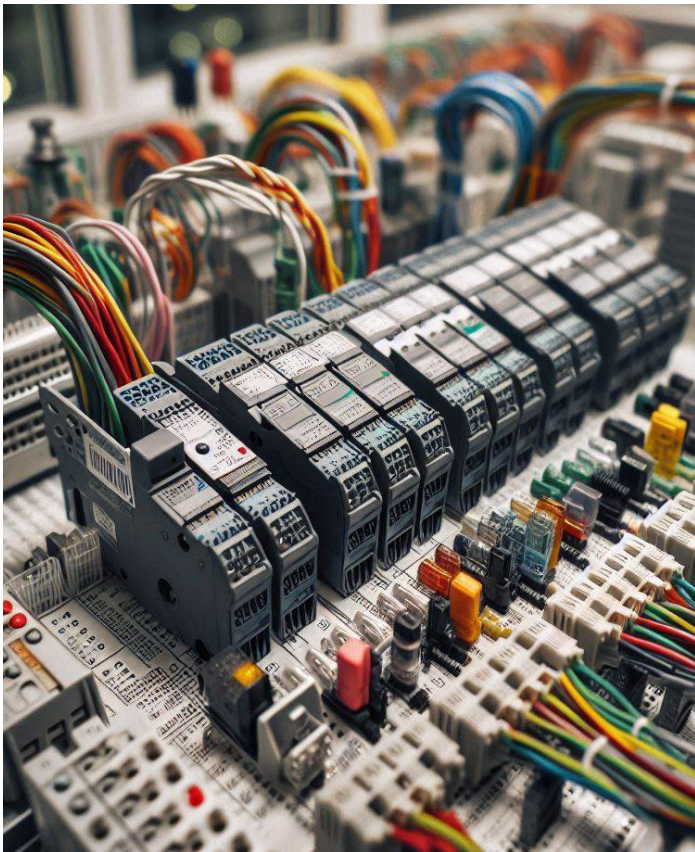
- Traditional MCCs:  
Fixed & withdrawable designs with DOL, Star-Delta, Soft Starters, and VFDs
- Intelligent MCCs (iMCCs):  
Embedded with PLCs, communication modules, and SCADA integration for real-time monitoring and diagnostics



Smarter Motor Control. Reliable Operation.  
Future-Ready Systems.

### Key Features:

- IEC/UL compliant
- High fault withstand ratings
- Arc flash protection & thermal monitoring
- Easy maintenance and expandability



Smart Panels for Smarter Climate Control.

## HVAC Control Panels

### Precision Climate Control Made Easy

Our HVAC control panels are designed to optimize the performance of heating, ventilation, and air conditioning systems across commercial and industrial facilities. Built for seamless integration with BMS and automation systems, these panels ensure

### Applications:

- AHU, FCU, VAV & VRF systems
- Chiller & cooling tower control
- Exhaust & fresh air systems
- BMS & IoT-enabled HVAC solutions

### Key Features:

- Intelligent controls with sensors & actuators
- BMS/SCADA compatible
- Custom-built to project specifications
- Energy monitoring & fault diagnostics

# Water Treatment Panels

## Reliable Control for Clean Water Solutions

We provide custom-engineered control panels for water and wastewater treatment systems, designed to ensure safe, efficient, and automated operation across treatment plants and pumping stations.

### Applications:

- RO (Reverse Osmosis) Systems
- Sewage & Effluent Treatment Plants (STP/ETP)
- Pumping Stations & Lift Stations
- Filtration & Chemical Dosing Systems



Cleaner water through smarter control.

### Key Features:

- PLC/HMI-based automation for process control
- Integrated flow, pressure & level monitoring
- Alarm & fault indication systems
- Corrosion-resistant enclosures for harsh environments



Intelligent automation, built for performance and reliability.

- Fast, reliable programming
- Optimized user-friendly interfaces
- Fully tested and documented code

# PLC Programming, HMI/SCADA Development & Support

## Smarter Control Through Expert Automation

At Hexalogix Automation, we specialize in delivering advanced PLC programming and HMI/SCADA development tailored to your process requirements. From concept to commissioning, our expert engineers ensure seamless integration, real-time control, and reliable system performance.

### What We Offer:

- Custom PLC logic design (Siemens, Schneider, Allen-Bradley, etc.)
- HMI & SCADA screen development (WinCC, iFIX, Wonderware, etc.)
- System integration & communication setup (Modbus, Profibus, Ethernet/IP)
- On-site troubleshooting, modification & remote support
- Data logging, trending, and alarm management

# IoT-Based Energy Management System

## Smart Monitoring. Smarter Decisions.

Harness the power of IoT to gain real-time insights into your energy usage. Our intelligent Energy Monitoring Systems enable remote tracking, data logging, and predictive analytics—empowering you to reduce energy costs and improve operational efficiency.



## Highlights:

- Real-time data via IoT-enabled sensors
- Centralized web/mobile dashboard
- Alerts for abnormal consumption
- Energy reports & analytics
- Seamless integration with BMS, SCADA, or cloud platforms

Stay connected. Stay efficient. Go smart with our IoT-based energy solutions.

## Our Projects

### Proven Solutions. Trusted by Industry Leaders.

At Hexalogix Automation, we take pride in delivering successful automation and electrical engineering projects across a wide range of sectors. Our work reflects our commitment to quality, innovation, and client satisfaction.

EDGNEX Data Center	KSA	VESSEL-DMP Multi Buster -8020	UAE
Riyadh Metro	KSA	RIG-ZAMIL-55	KSA
Meta form Industries	UAE	VESSEL-ADM511	KSA
VESSEL/RIG - ARABIYAH 6	KSA	MASARA-DUSUP	UAE
VESSEL-ENSCO 76	Liberia	RIG-OLYPIC-LEO PARD	GREECE
Quantum Data Center	KSA	VESSEL-ADM261	LIBERIA
Aerospace Supply Chain Building	UAE	VESSEL-ARO-58	KSA
Khalifa University	UAE	RAWABI-501	UAE
Radisson Blu Hotel	UAE	Mastercard Building	Cameroon
G+15 Residential Building- Arjan	UAE	Amala Staff Accommodation	KSA
Quantum Data Center	Qatar	Al Meera Buildings	Qatar
Kitopi Restaurant	UAE	Gewan Island	Qatar
Cinapolis, Jizan	KSA	Fujairah Hospital	UAE
Riyadh Metro 1C2 Station	KSA	Asiana Hotel	UAE
VESSEL-ENSCO 74	Liberia	Standard Chartered Bank	Sri Lanka

# Partner Network

## Empowering Excellence Through Strategic Alliances

At **Hexalogix Automation**, we collaborate with leading global brands to deliver cutting-edge, reliable automation solutions.

### Our Esteemed Partners:



Connecting Innovation Across Borders



#### Hexalogix Automation

Building No 21/246-(1), 3rd Floor, Grande Tower,  
NH By-pass Aluva- 683101, Kerala, India  
Phone: +91 9995009311



#### Hexalogix Automation Power Control Switchgears Manufacturing L.L.C

Shed No: 1, Al Bahia  
Ajman, UAE



#### HLA Technical Services

411/46, Pinnacle Building,  
Al Barsha First, Sheik Zayed Road,  
Dubai, UAE