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AUTOMATION INNOVATIVE TECHNOLOGIES

www.aitpk.com

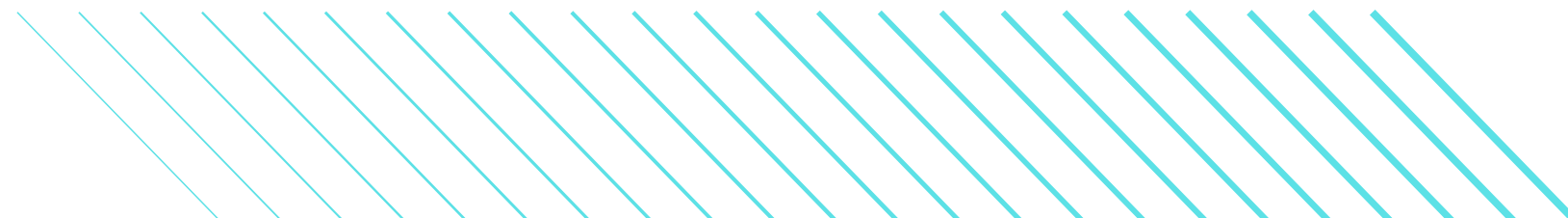


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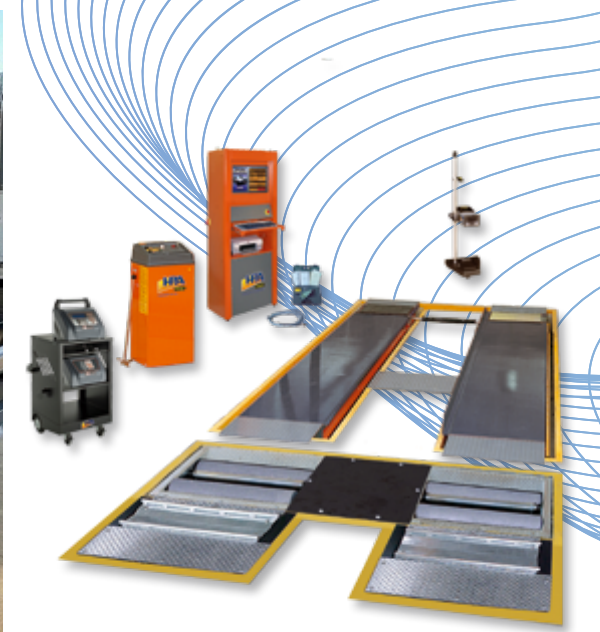
ABOUT COMPANY

Automation & Innovative Technologies (AITPK) is a Lahore-based industrial engineering, automation, fabrication, and manufacturing company providing complete turnkey industrial solutions across Pakistan.

We specialize in industrial automation, automotive automation, oil & gas process control, electrical and instrumentation systems, fabrication, custom machine manufacturing, and complete industrial setup development.

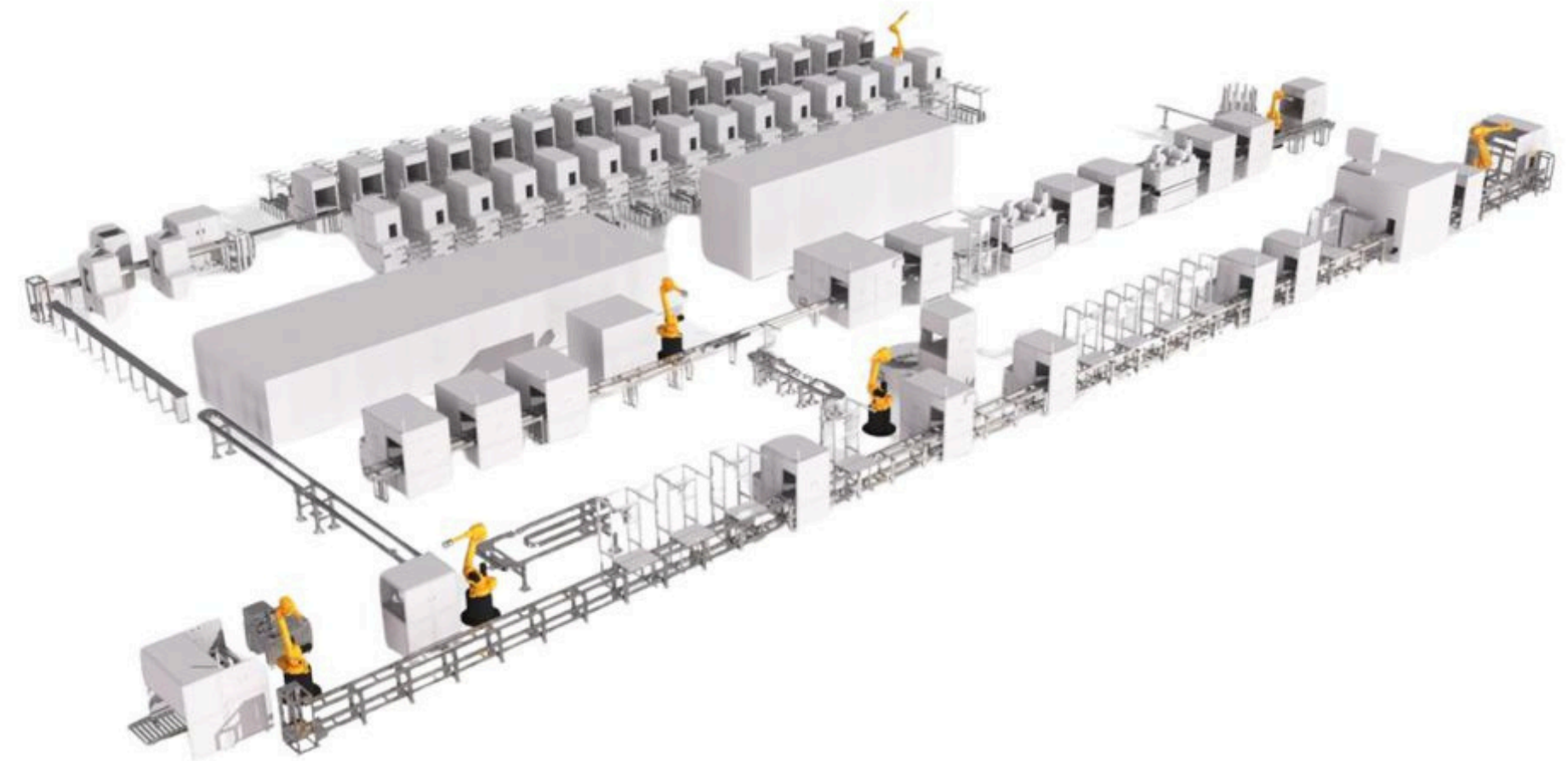
AITPK delivers end-to-end solutions covering concept design, engineering, fabrication, manufacturing, installation, commissioning, and after-sales technical support. Our integrated capabilities allow clients to work with a single reliable engineering partner from project conception to fully operational facilities.

With strong local execution capability in Pakistan and international engineering experience gained from UAE-based projects, AITPK applies modern industrial practices, EPC methodologies, and international engineering standards to every project.



VISION

To become a leading industrial automation, fabrication, and manufacturing solutions provider in Pakistan, recognized for technical excellence, reliability, and innovative engineering.



MISSION

Our mission is to:

Deliver high-quality, reliable automation and industrial solutions

Improve client productivity, safety, energy efficiency, and profitability

Apply international engineering experience to local industries

Build long-term partnerships through trust, performance, and technical expertise



ENGINEERING PHILOSOPHY

At AITPK, we believe in:

- *Practical, reliable, and scalable engineering*
- *Deep understanding of industrial processes*
- *Integration of automation with mechanical and fabrication systems*
- *Customized solutions based on real operational requirements*
- *Strong focus on safety, reliability, and maintainability*

Every solution is engineered with a long-term operational mindset, not just short-term execution.

SERVICES & CAPABILITIES

AUTOMOTIVE AUTOMATION & TEST SYSTEMS

VEHICLE TEST BENCHES (2W, 3W, 4W)

EV HUB MOTOR TEST BENCHES

END-OF-LINE (EOL) TESTING SYSTEMS

BATTERY TESTING & MONITORING SYSTEMS

ASSEMBLY LINES & CONVEYOR SYSTEMS

PAINT SHOP AUTOMATION

DRYING & BAKING OVENS

**PHOSPHATE TANKS & SURFACE TREATMENT
AUTOMATION**



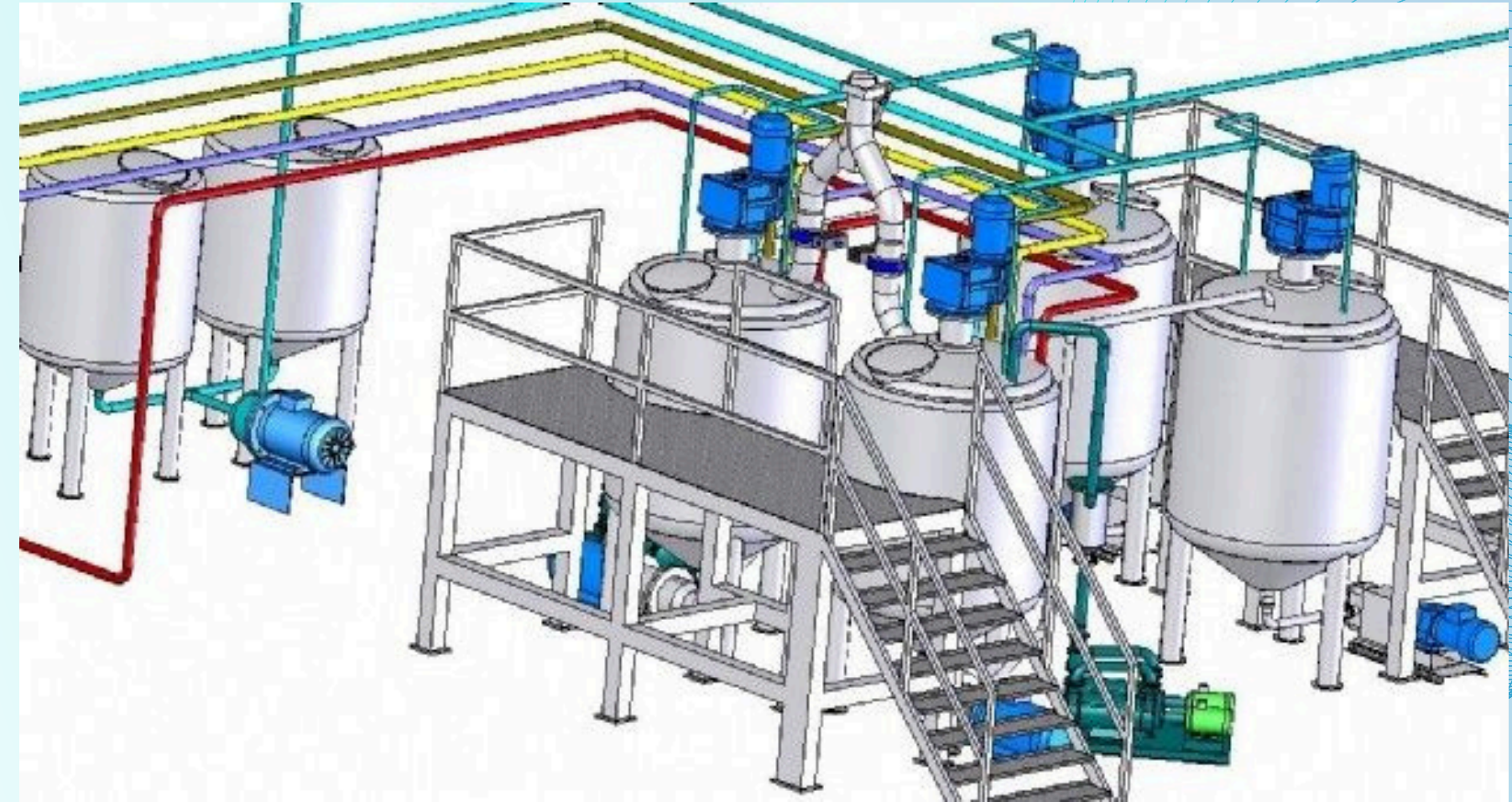
INDUSTRIAL AUTOMATION & CONTROL SYSTEMS

- **PLC PROGRAMMING & SYSTEM
INTEGRATION**
- **HMI & SCADA DEVELOPMENT**
- **BATCH & RECIPE CONTROL SYSTEMS**
- **MOTION CONTROL (SERVO & STEPPER
MOTORS)**
- **INDUSTRIAL NETWORKING &
COMMUNICATION**
- **ALARM MANAGEMENT, DATA LOGGING &
REPORTING**

SERVICES & CAPABILITIES

OIL & GAS AUTOMATION & INSTRUMENTATION

- **OIL STORAGE TANK MANAGEMENT SYSTEMS**
- **OIL & GAS TRANSFER AUTOMATION**
- **BOTTLE & DRUM FILLING MACHINES**
- **LUBRICANT OIL BATCH CONTROL PLANTS**
- **PLC-BASED BATCH, RECIPE & PROCESS CONTROL**
- **SCADA MONITORING, ALARMS & REPORTING**
- **FIELD INSTRUMENTATION (LEVEL, FLOW, PRESSURE, TEMPERATURE)**



ELECTRICAL & INSTRUMENTATION SERVICES

- **POWER DISTRIBUTION SYSTEMS**
- **MCC & MOTOR CONTROL SYSTEMS**
- **CONTROL WIRING & FIELD INSTALLATION**
- **SENSORS, TRANSMITTERS & CONTROL VALVES**
- **LOOP CHECKING, CALIBRATION & COMMISSIONING**

SERVICES & CAPABILITIES

CONTROL PANELS & PANEL MANUFACTURING

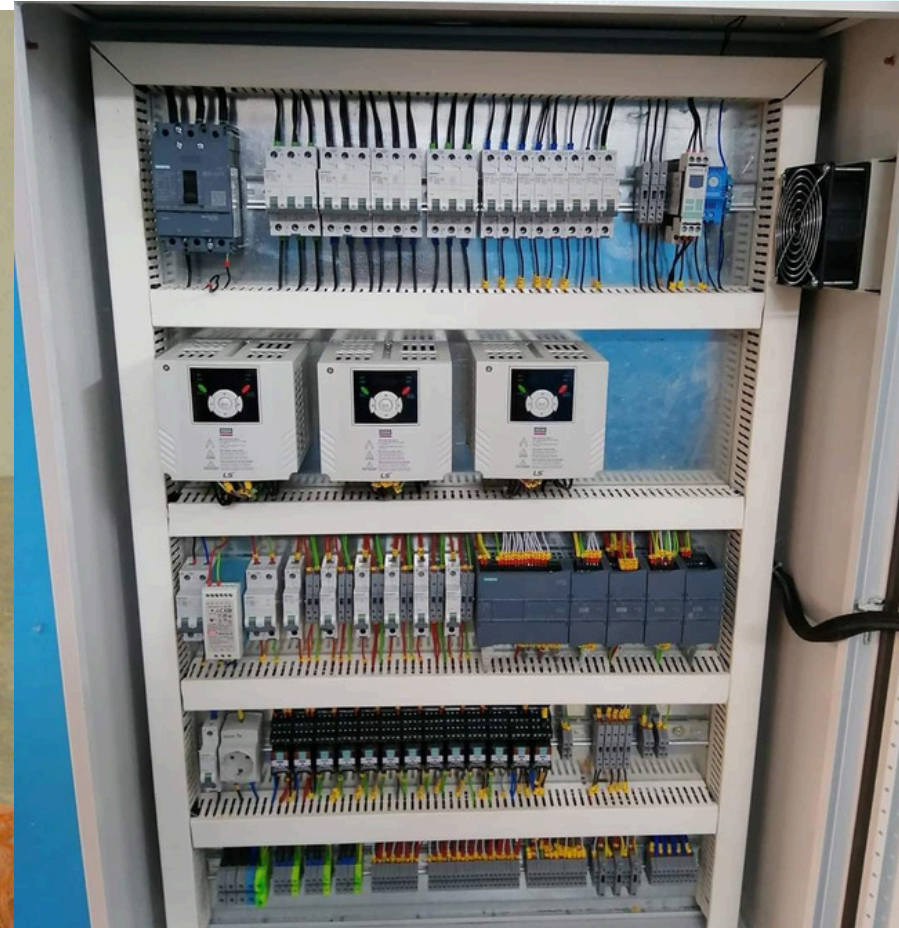
POWER DISTRIBUTION PANELS

MCC PANELS

PLC CONTROL PANELS

AUTOMATION & INSTRUMENTATION PANELS

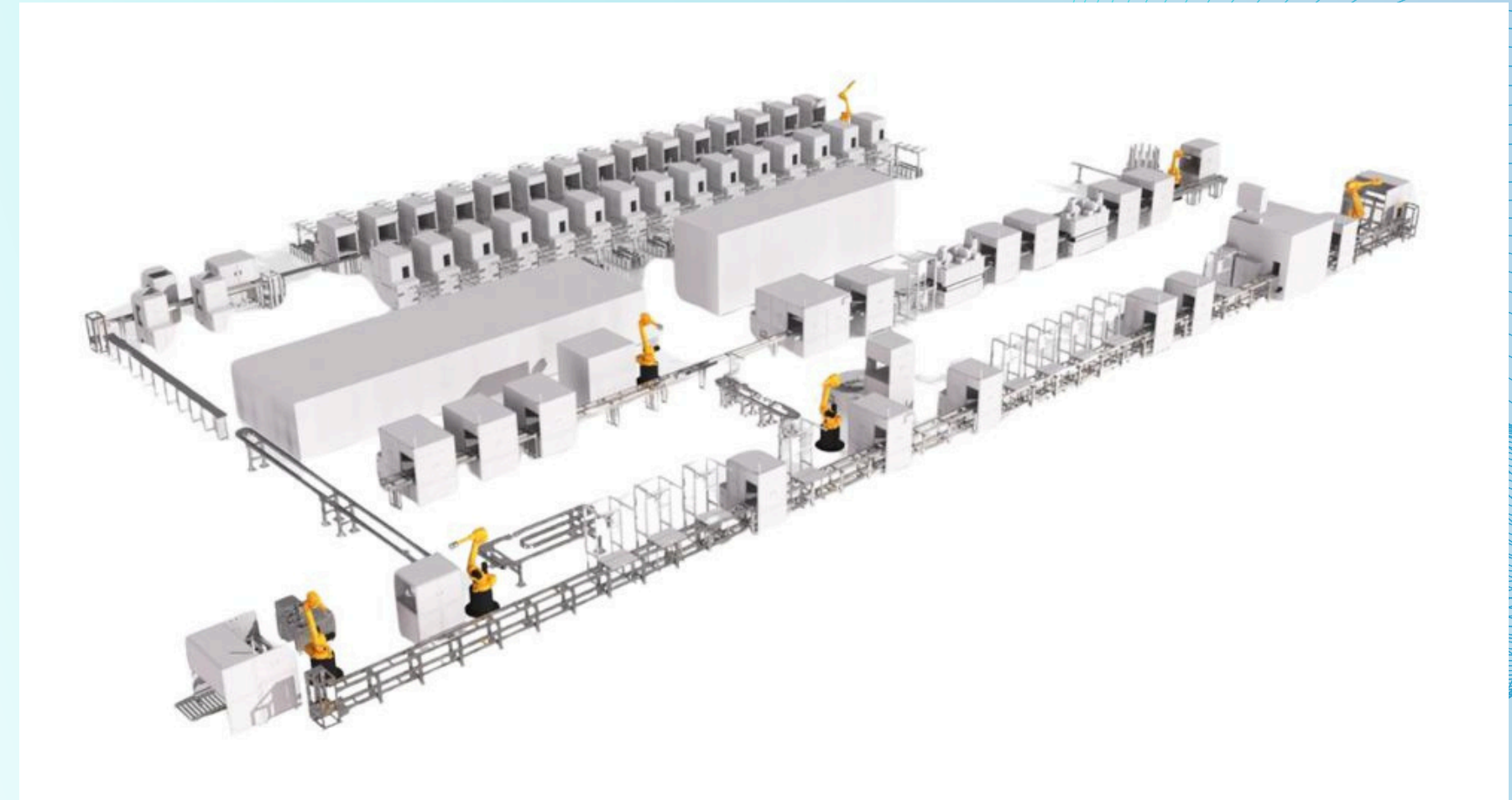
DESIGN, FABRICATION, WIRING, TESTING & COMMISSIONING



SERVICES & CAPABILITIES

FABRICATION & STRUCTURAL MANUFACTURING

- **HEAVY & LIGHT STRUCTURAL STEEL FABRICATION**
- **MACHINE FRAMES, SKIDS & BASE STRUCTURES**
- **CONVEYOR STRUCTURES & MATERIAL HANDLING FRAMES**
- **EQUIPMENT SUPPORTS, PLATFORMS & INDUSTRIAL STRUCTURES**



INDUSTRIAL SETUP & PLANT MANUFACTURING

- **COMPLETE PLANT LAYOUT & ENGINEERING**
- **PRODUCTION LINE MANUFACTURING & INSTALLATION**
- **ASSEMBLY LINE SETUP & AUTOMATION**
- **MATERIAL HANDLING & TRANSFER SYSTEMS**
- **UTILITIES INTEGRATION (POWER, CONTROL & INSTRUMENTATION)**

INDUSTRIES WE SERVE

Automotive & Electric Vehicle (EV) Industry

Oil & Gas Industry

Food & Beverage Industry

Packaging Industry

Cement Industry

Chemical & Process Industries

Textile Industry

Glass Industry

Water & Wastewater Treatment Plants



INTERNATIONAL ENGINEERING EXPERIENCE

AITPK is backed by international industrial project experience gained through engineering work executed in the United Arab Emirates under Shuaa Al Buraq Technical Services.

This experience enables us to:

- **Apply international engineering standards**
- **Implement proven automation architectures**
- **Deliver safe, structured, and reliable industrial systems**

PAKISTAN ENGINEERING EXPERIENCE

Automotive Production Systems, Fabrication & Industrial Setup

AITPK has strong local industrial experience in Pakistan, built through a combination of engineering coordination on large automotive projects and direct manufacturing, fabrication, and industrial setup execution. Our team has hands-on exposure to complete automotive production systems and delivers practical, execution-ready solutions for industrial clients.

AITPK has participated in multiple automotive facility projects in Pakistan through engineering coordination, technical support, and system integration work, working alongside main contractors, partners, and project stakeholders.

Scope of coordination experience includes:

- **Automotive 2-wheeler & 3-wheeler production systems**
- **Paint shop systems**
- **Drying & baking ovens**
- **Automotive test benches**
- **Assembly lines and sub-assembly lines**
- **Conveyor systems**
- **Electrical & automation control panels**
- **Stacking racks, storage racks, assembly tables & workstations**



PAKISTAN ENGINEERING EXPERIENCE

AITPK has independently fabricated and manufactured key production and industrial components under Buraq-E Drive, demonstrating strong in-house execution capability.

Direct fabrication and manufacturing scope includes:

- **Current scope includes:**
- **Phosphate tanks**
- **Paint shop systems**
- **Drying & baking ovens**
- **Automotive test benches**
- **Assembly lines and sub-assembly lines**
- **Conveyor systems**
- **Stacking racks and material handling structures**
- **Complete fabrication and production setup execution**

This project represents a major milestone and reflects AITPK's capability to execute complete automotive industrial setup and production line manufacturing.

PAKISTAN ENGINEERING EXPERIENCE

Current Project – Jan Max Factory (Ongoing)

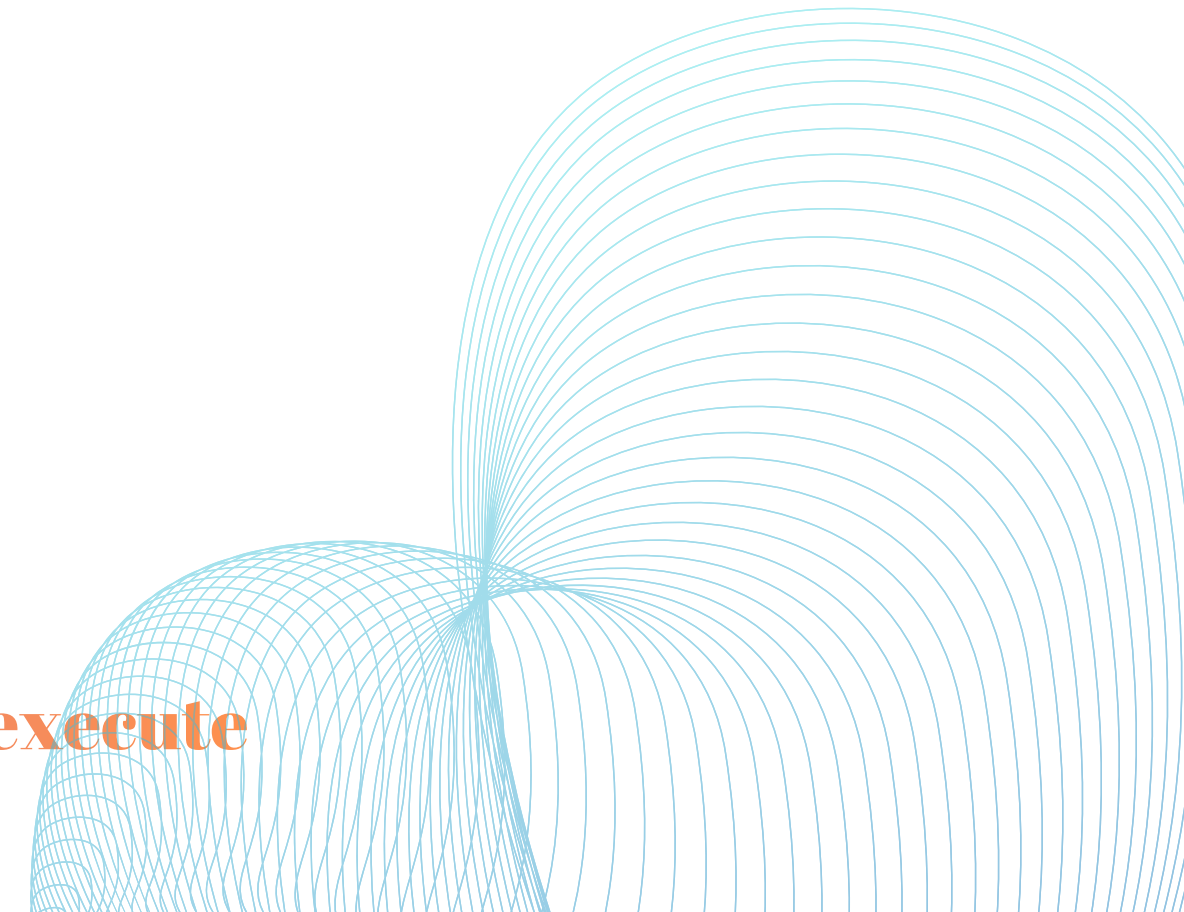
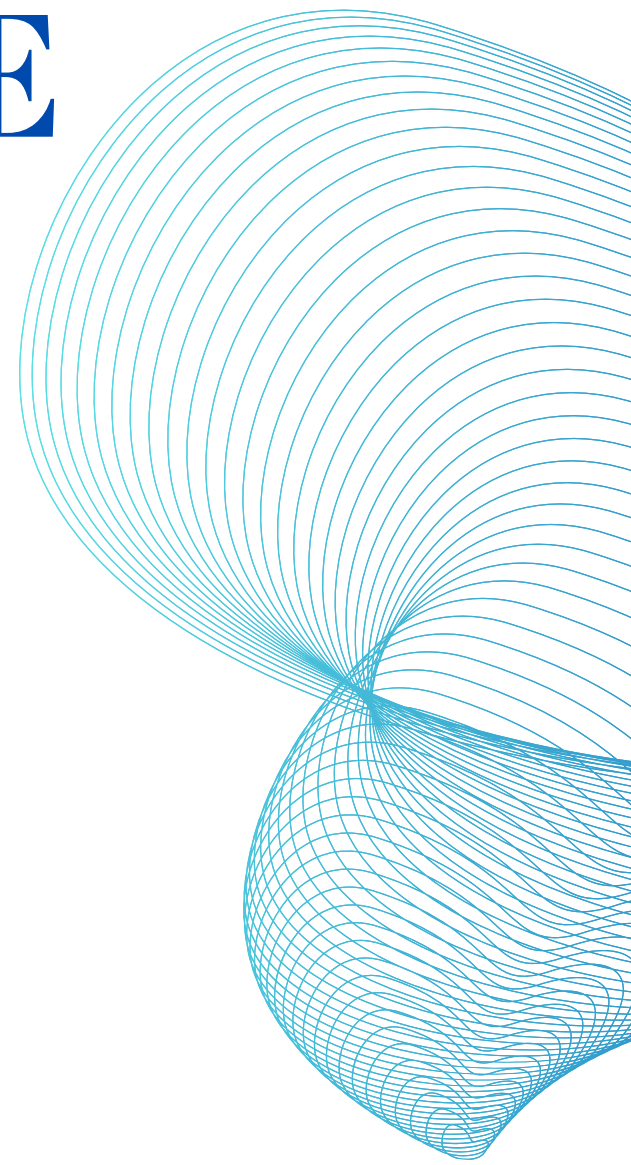
(Complete 2-Wheeler Unit Manufacturing & Industrial Setup)

AITPK is currently working on Jan Max Factory, where we are involved in the manufacturing and execution of a complete 2-wheeler production unit, covering mechanical fabrication and full production facility setup.

Current scope includes:

- **Phosphate tanks**
- **Paint shop systems**
- **Drying & baking ovens**
- **Automotive test benches**
- **Assembly lines and sub-assembly lines**
- **Conveyor systems**
- **Stacking racks and material handling structures**
- **Complete fabrication and production setup execution**

This project represents a major milestone and reflects AITPK's capability to execute complete automotive industrial setup and production line manufacturing.



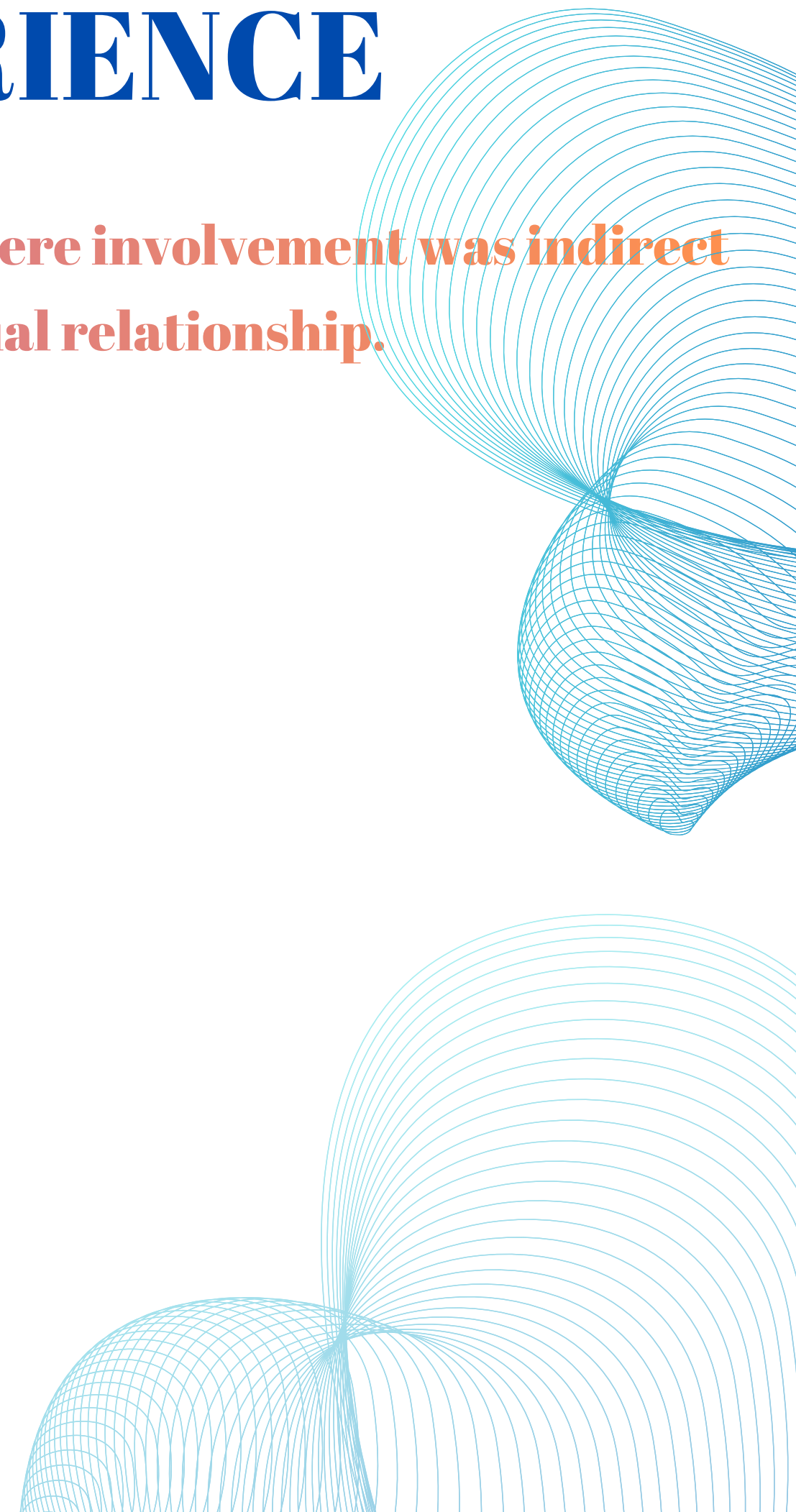
PAKISTAN ENGINEERING EXPERIENCE

Green Autos – Indirect Technical Exposure

AITPK engineering team has experience related to Green Autos facilities, where **involvement was indirect through coordination and technical exposure, not through a direct contractual relationship.**

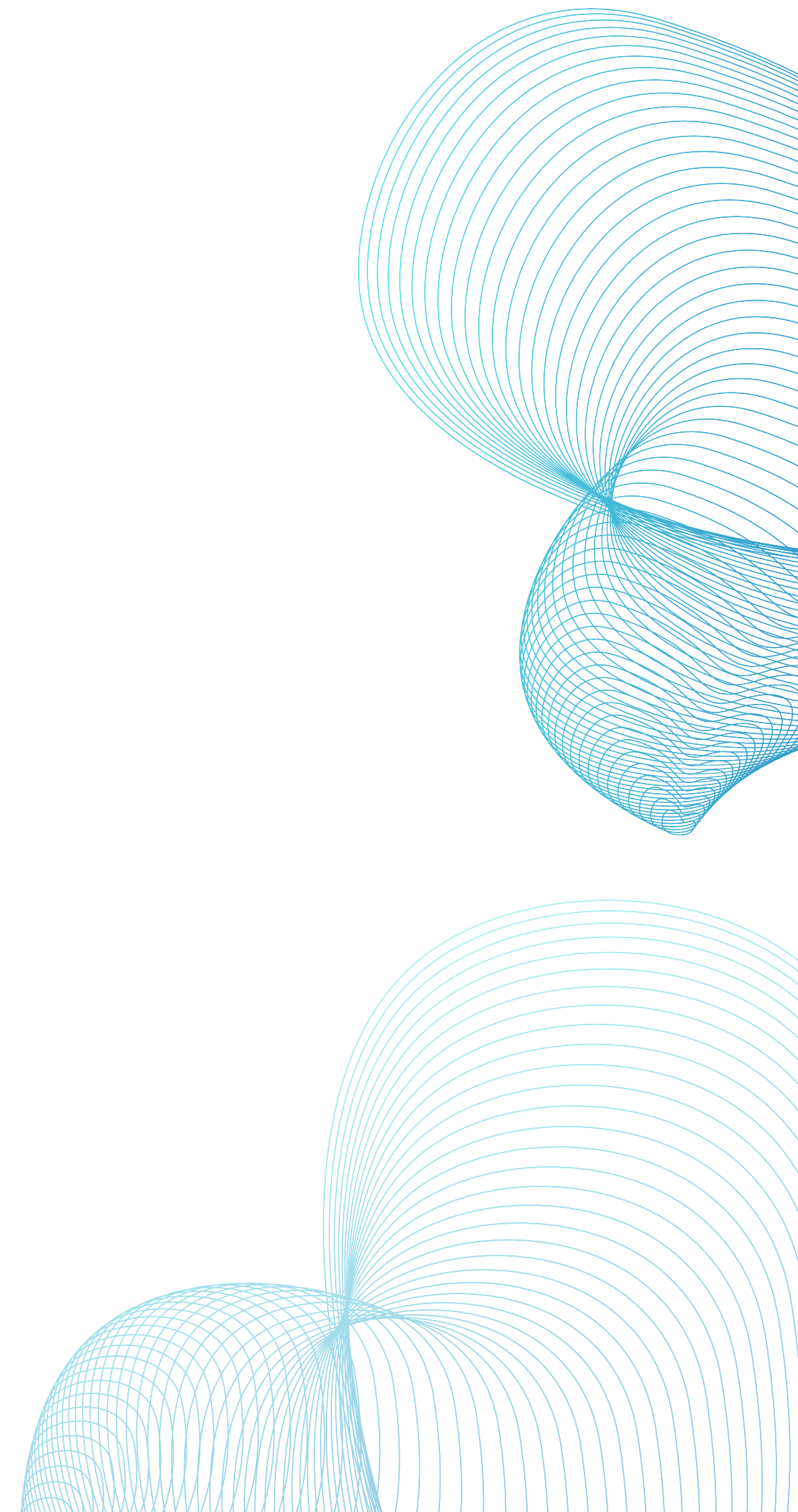
This strengthened our knowledge of:

- **Automotive assembly processes**
- **Phosphate tanks**
- **Paint shop systems**
- **Drying & baking ovens**
- **Automotive test benches**
- **Assembly lines and sub-assembly lines**
- **Conveyor systems**
- **Stacking racks and material handling structures**
- **Direct fabrication and manufacturing scope includes:**
- **Conveyor frames and material handling structures**
- **Production support fixtures and job-based structures**
- **Electrical and automation-ready control solutions (as required)**



PROJECT EXECUTION METHODOLOGY

- **Requirement analysis & site study**
- **Automation concept & control philosophy**
- **Detailed engineering & documentation**
- **Fabrication, manufacturing & panel building**
- **Installation, integration & commissioning**
- **Training & after-sales technical support**



WHY CHOOSE AITPK

- **Automation + Fabrication + Manufacturing under one roof**
- **Strong automotive, oil & gas & process industry experience**
- **International project exposure (UAE)**
- **Customized, job-specific engineering solutions**
- **Complete turnkey execution**
- **Reliable commissioning & long-term support**



COMPANY INFORMATION

Company Name: Automation & Innovative Technologies (AITPK)

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