



**ALAMANAH**

International Trading & Services LLC

# Project Profile

The First Automation and Instrumentation Company in the Sultanate of Oman





# Welcome to Our Department

Al-Amanah International Trading and Services Project department with more than 20 years Experience in the field of Automation and Instrumentation founded as one of the main company's departments with the aim of carrying out industrial projects and to be the first professional company to do so in Sultanate of Oman. At this time, we are very pleased to announce, that we are the first company in Oman to present the best company-specified EPC services to many industries. The field of our activities is divided into major services related to electrical and power engineering, industrial automation, robotics and SCADA, industrial electronics, IOT and smart solutions.

# Related Industries

We Help industries to grow their business and make it smart.

- Oil & Gas
- Power Generation
- Solar systems
- Water treatment plants
- Food industries
- Machinery
- Automotive industries
- Metal and Steel Industries
- Railway

# Field Of Activities



## Industrial automation and process instrument

- Design, manufacturing, installation, test and commissioning for:
- PLC Control Panel by Allen Bradley CompactLogix and MicroLogix Model
- PLC Control Panel by Siemens SIMATIC S7-200, 1200, 300, 400, 400H/FH Model
- PLC Control Panel by OMRON CJ2, CP2, CP1 and CS1
- Relay Based Control Panel
- Local Control Panel (LCP)
- Vibration Control System
- Woodward Steam Turbine Speed Control System



# Industrial automation and process instrument

- Installation, calibration test and commissioning for:
- Process Instrument Panel
- Pressure, Flow, Temperature, Level Instruments
- PH, Humidity and Conductivity Meters
- O<sub>2</sub>, H<sub>2</sub>S Analyzers

# Field Of Activities



## Electrical and green energy

Design, manufacturing, installation, wiring, test, termination and commissioning for:

- LV and MV feeders
- Power Distribution Panel
- Motor Control Center (MCC)
- Lighting Equipment and Lighting Panel
- Woodward Gas and Diesel Generators Speed Control System and Feeder Protection System
- Power Management Monitoring Systems



# Monitoring and SCADA

SCADA system including graphic pages , alarm & events, operator panel, trends and Annunciator design by:

- ALLEN BRADLEY STUDIO 5000 software
- SIEMENS SIMATIC PCS7 and WINCC
- Graphic Design and Programming for ALLEN BRADLEY HMI panel view
- Graphic Design and Programming for OMRON HMI
- Graphic Design and Programming for ESA HMI

# Field Of Activities



## Industrial Electronics Safety and Protection

Design, manufacturing, installation, wiring, test, termination and commissioning for:

- VFD Drive panels for PUMP and Compressor Electromotor
- VFD Drive panels for Cranes
- Bentley Nevada Vibration control and monitoring system
- SIL3 & SIL4 safety control system by SIEMENS SIMATIC S7-400FH
- SIL4 safety control system by HIMA safety Planar4 system
- SIL3 safety control system by PILZ safety relays





# IOT and Smart Solutions

Supply, installation, test and commissioning hardware and software for:

- Vehicles Tracking System
- Water Treatment Facility Management System
- Hospital IWARD solution

# SOME OF OUR PROJECTS

Automation, SCADA  
and Electrical

## Gulf Potash Company (GPC) Oman

An EPC project including all engineering and design documents, providing required electrical and related equipment as well as construction, test and commissioning in three (3) sections: Electrical, instrumentation and automation for Oman Gulf Potash Company located in Muscat, Rusail Industrial Area.

This project, as completed by the Al-Amanah Project department, is outlined as below:

- Providing MCC panels to feed and control of 28 electric motors (3Ph, 400VAC, 50Hz).
- Installation, test, loop check and commissioning for 45 instruments (Level, Pressure, Temperature, Valves and Switches).
- Automation and control section including: hardware configuration, logic and sequence design based on Allen Bradley CompactLogix Hardware.
- SCADA system design and commissioning including: Process graphic design, alarm and event panel, trends indication, manual start/stop panel test and commissioning based on Allen Bradley Studio 5000 programming software.

# SOME OF OUR PROJECTS



## Automation project for Oman Food Stuff Company, Oman

- Logic design and control program design for ALLEN BRADLEY MicroLogix 1400 PLC panel in corn production unit.
- Graphic design, alarm page, operator interface for existing HMI.
- Instrument loop check, commissioning and panel start-up.



## PLC & SCADA project for Atyab Food Industries Company, Oman

- Upload existing old HMI (OMRON) program, modification, test, download and commissioning for a dough machine.
- Upload existing old PLC (OMRON CP1L) program, logic modification, test, download and commissioning for a dough machine.



## Upgrade, installation, test and commissioning of digital temperature controllers for Oman Textile Mills, Oman

- Removing three (3) analogue temperature controllers and Installation, wiring, test and commissioning for three (3) new digital temperature controllers for an air blower machine.

# SOME OF OUR PROJECTS



## Automation project for Oman Areej Company, Oman

- Upload of existing old PLC (SIEMENS SMATIC S7-300) program, logic modification, test, download and commissioning for oil packing machine.



## SCADA project for National Aluminum Production Company (NAPCO), Oman

- Upload existing old HMI (ESA SC104) program, modification, test, download and commissioning for painting machine.



## Installation, test and commissioning of batch counters for G-Energy Sledgehammer, Oman

- Installation, wiring, test and commissioning for proximity switches and batch counters of cutting machines.

# SOME OF OUR PROJECTS



## CNC machine control system repair for Engine Engineering Company, Oman

- Change and renovation of the power supply and pulse encoder to commission the machine.



## PLC control system program modification for National Metal Cane, Oman

- Program modification and commissioning of ALLEN BRADLEY Micrologix1000 PLC system of a punching machine.



## Test and commissioning in Al-Taif Industrial Engineering and Metal Structural Company, Oman

- Test and commissioning of control system for a welding and cutting machine.

# SOME OF OUR PROJECTS



## Installation of Schindler 75kw VFD in Control Panel at Nizwa Grand Mall.

- Checked the Control Panel and found problem with fan.
- Diagnosed and verified the problem, overheating error code occurred (OH) and cooling fan not working.
- Uninstall the VFD and connection and power supply professionally, pull out and brought back to our Laboratory.
- Open and rectify the problem in Fire card section.
- Drive repaired reinstalled, tested, verified and found working 100% ok.



## Drive troubleshooting and commissioning for MAN Turbo Energy, Muscat Div, Oman

- Troubleshooting, test and commissioning for tower crane Altivar-37Kw drive.



## ORYX Metal Industries, Sohar, Oman

- Test Troubleshooting and commissioning of control system for a Laser machine, welding and cutting machine.

# SOME OF OUR PROJECTS



## Drive troubleshooting and commissioning for Techno Plastic Industries, Oman

- Troubleshooting, repair, test and commissioning for ABB ACS-Drive of molding injection machine.



## Uninstall and Re-Installation of Schindler 90kw VFD in Control Panel at Barkha Grand Mall.

- Checked the Control Panel and found a problem with VFD showing error.
- Uninstall the VFD and connection and power supply professionally, pull out, and brought back to our Laboratory.
- Open and rectify the problem in the Fire card section, and filter capacitors faulty.
- Drive repaired reinstalled, tested, verified.



## Crane Movement Control System, Al Manar International LLC., Oman.

- Test Troubleshooting and commissioning of control system for a Electric overhead traveling crane of 30 ton.



## Upgrading from old system to the new

Analysis and survey of existing old systems and providing solution, part list, software engineering documents and method of migration to upgrade old systems including:

- PLC Control Systems
- Monitoring and SCADA Systems
- Turbine (gas/steam) and generator(gas/diesel) speed control and protection systems
- AC, DC Motor Drives
- Power Switch Gear and MCC's
- Safety and Protection Systems
- IOT and Smart Systems





# Annual Maintenance Contracts (AMC)

Al-Amanah provide engineering consultation, technical staff and facilities and supply spare parts as annual maintenance services for all control and electrical section of industrial plants including:

- Power plants and power generators
- Electrical switchgears
- Refinery, petrochemicals and chemical plants
- Water treatment plants
- Machinery factories
- Food industry factories



# SOME OF OUR CLIENTS BASED IN OMAN

We are proud to  
work with Oman's  
leading companies



الشركة العمانية للغاز الطبيعي المسال ش.م.ع.  
Oman LNG L.L.C.





شركة أريج للزيوت النباتية ومشتقاتها ش.م.ع.م.  
AREEJ VEGETABLE OILS & DERIVATIVES S.A.O.C.



العماني لتجارة المواد الغذائية  
OMANI FOODSTUFF TRADING  
Associates of : Oman Foodstuff Factory LLC  
Mfg. of : AL MUDHISH Brand Products in the Sultanate of Oman



Military  
Technological  
College



*Waleed Associates LLC.*



عمان كلورين ش.م.ع.م.  
OMAN CHLORINE S.A.O.G.



Bahwan Engineering  
Company LLC





**ALAMANAH**

International Trading & Services LLC

## GET IN TOUCH



Office No.:5/507, Bldg. No.:1532, P.O.Box 1344, P.C. 133  
Al Khuwair, Muscat, Sultanate of Oman



+968 223 80 781  
+968 9067 9556



[www.alamanahintl.com](http://www.alamanahintl.com)  
[iqbalak@alamanahintl.com](mailto:iqbalak@alamanahintl.com)

