

Instrumentation, Controls & Automation



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The following 4 specific product groups within instrumentation, controls and telecoms offer manufacturing opportunities in the UAE:

Process Control System (DCS)
and Emergency Shutdown
System (ESD)

Fire & Gas Detection Systems

Programmable Logic
Controller (PLC)

Condition / Vibration
Monitoring Systems (MCM
System)

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Process Control System (DCS) and Emergency Shutdown System (ESD)



Overview

Opportunities to manufacture process control system (DCS) and emergency shutdown system (ESD):



Opportunity

- Limited manufacturing of the hardware components for DCS and ESD within UAE
- Wide range of applications across ADNOC Group
- R&D facilities within UAE
- Staging and testing facilities & Profession technical support within UAE for RCA, Emergency, Major maintenance support



Applications

- Upstream / Midstream/Downstream
- Chemical & Petrochemical industries
- Steel & Nuclear industries
- Utility & Power Sector
- Food Section
- Pharma Sector
- Other medium/Large scale industries



ADNOC Standards / Specifications Requirements

- ADNOC Group Engineering Specification AGES-SP-04-001
- ADNOC Group Engineering Specification AGES-SP-04-004
- International Code and standards IEC, ISA, API

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Fire & Gas Detection Systems



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Overview

Opportunities to manufacture fire & gas detectors and fire alarm systems in the UAE:



Opportunity

- Limited manufacturing of hardware components within UAE
- Wide range of applications across ADNOC Group & all other sectors
- R&D facilities within UAE
- Staging and testing facilities & Profession technical support within UAE for RCA, Emergency, Major maintenance support



Applications

Upstream / Midstream/Downstream
Chemical & Petrochemical industries
Steel & Nuclear industries
Utility & Power Sector
Food Production
Pharma & Healthcare
Other medium/Large scale industries



ADNOC Standards / Specifications Requirements

- UAE Fire and Life Safety Code of Practice
- ADNOC Fire & Gas System Specification (AGES-SP-04-003)
- ADNOC Fire and Gas Detectors (AGES-SP-04-011)
- ADNOC HSE Standards

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Programmable Logic Controller (PLC)



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Overview

Opportunities to manufacture programmable logic controller (PLC) in the UAE:



Opportunity

- Limited manufacturing of hardware components within UAE
- Wide range of applications across ADNOC Group & all other sectors
- R&D facilities within UAE
- Staging and testing facilities & Professional technical support within UAE for RCA, Emergency, Major maintenance support



Applications

Upstream / Midstream/Downstream
Chemical & Petrochemical industries
Steel & Nuclear industries
Utility & Power Sector
Food Production
Pharma & Healthcare
Other medium/Large scale industries



Standards / Specifications

- ADNOC AGES-SP-04-001 Process Control System Specification
- ADNOC AGES-SP-04-018 Programmable Logic Controller
- International Code and standards IEC, ISA, API



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Condition / Vibration Monitoring Systems (MCM System)



Overview

Opportunities to manufacture condition/vibration monitoring systems (MCM system) - for rotating equipment:



Opportunity

- Limited manufacturing of hardware components within UAE
- Wide range of applications across ADNOC Group & all other sectors
- R&D facilities within UAE
- Staging and testing facilities & Profession technical support within UAE for RCA, Emergency, Major maintenance support



Applications

- Upstream / Midstream/Downstream
- Chemical & Petrochemical industries
- Steel & Nuclear industries
- Utility & Power Sector
- Food Production
- Pharma & Healthcare
- Other medium/Large scale industries

