



Descon Automation & Control (DAC)

18-Km., Ferozpur Road, Lahore, 54760, Pakistan

UAN: +92 111 DESCON (337266)

Web: www.descon.com



Introduction

Descon Automation and Control (DAC) is a one stop Automation solution provider; with in-house Engineering and Design capabilities that offers turnkey and customized solutions for complex and demanding industrial applications.

Our specialists are qualified to work with all major types of controls system philosophies including Distributed Control System (DCS), Process Safety (ESD Systems), F&G Detection Systems, Programmable Logic Controllers (PLC), SCADA systems and all types of process Instrumentation.

Our vendor agnostic approach gives the flexibility to offer right Products, Solutions & Services, customized for Client's requirements.

Segments

01

Engineered Solutions:

It covers all the Green Field/ Brown Field Control System Projects from design stage to till project completion. Our Specialist are qualified to tackle both Discrete & Continuous Automation Projects in both Industry & Public Sector Organization.

02

Products:

Segment covers various F&G Detection System & wide range of Process Instrumentation, LV/MV Panels & Equipments & Smart LED Lighting Solution. Our experts can select F&G System which can detect any danger in terms of fire or toxic gas leakages & prevents it turning into a fire or explosion. Instrumentation offered with the accuracy that can measure the process variables as per process flow scheme.

03

Services:

It covers the scope of both Engineered Solutions & Products portfolio. Our qualified experts have capabilities to perform Service Level Agreements, Troubleshooting, Calibration and FAT activities.

Engineered Solutions

Factory Automation

Factory Automation (Discrete Automation) refers to high-speed production applications in which PLC system is the heart of the overall production line through which an operator can monitor & control the manufacturing of the product throughout the process to achieve the optimum quality standards.

> [Machine Automation](#) > [PLC Logic Development](#) > [HMI Development](#) > [SCADA Systems](#)

Process Automation

Process Automation refers to continuous & batch processing automation solutions in which HMI Engineering Workstation is the heart of the overall production process through which an operator can remotely monitor & control the complex process parameters to achieve the desired finish product.

> [DCS Systems](#) > [ESD System](#) > [Wellheads Automation](#) > [Tank Gauging / Metering](#)

Products

Flame & Gas Detection

The Flame and Gas (F&G) Detection system provides early and reliable detection of flame or gas, where such events are likely to occur, alerts personnel and initiates protective actions automatically or manually upon operator activation.

The system consists of field mounted detection equipment to be able to process all input signals in accordance with the applicable Flame Protection Data Sheets or Cause & Effect charts.

> [F&G Control Panel](#) > [F&G Detection Systems](#) > [Mapping Study](#)

Instrumentation

Process Instrumentation is a collective term for sensors incorporated into measuring instruments (i.e., Level, Flow, Temperature etc.) used for indicating, measuring and recording physical quantities.

Forming the basis of process control, instruments continue to improve their capability, repeatability, accuracy, reliability and cost.

The measured media are mentioned below:

> [Liquid](#) > [Powder](#) > [Bulk Solids](#) > [Steam](#) > [Gases](#)

LV/MV Panel & Equipment

Discover our full range of LV & MV global solutions which can be used in full range of Primary & Secondary Distribution Applications. We are expert in designing switchboards with relevant Equipments and also help our clients to set up bills of materials /offer competitive quotations with supplies & commissioning.

Smart LED Lighting Solution

We provide quality products, systems and services with innovations that contribute to a safer, smarter and more sustainable lighting solution meeting economy, durability & reliability. We are offering complete range of LED lights for the below categories:

> Indoor & Outdoor > Explosion Proof > Emergency/Exit > Industrial Lighting

Services

Engineering Design & Services

In Engineering Design & Services, we offer specialized services in the below areas.

- > Engineering & Design Consultancy
- > Detailed Engineering Support
- > Technical Design Reviews
- > Instruments Design & Selection
- > PID's Development
- > Service Level Agreement (SLAs)

Operations & Management Services

Provide support on all operations and management related services.

- > Control Panel Design & Installation
- > Commissioning Support Services
- > FAT & SAT services

Migration & Upgrades

Provide support on automation controls and software upgradations to achieve set target Key Performance Indicators.

- > Software Upgrades
- > Hardware Upgrade
- > Migrations/Obsolescence Management
- > Predictive & Preventive Maintenance

Key Partnerships



Digitalization, Electrification, Automation for process, power generation & distribution & intelligent infrastructure.



MSA
The Safety Company

A global leader committed to developing, manufacturing, and supplying safety products.



Schneider
Electric

Digital automation , Energy Management of Homes, Buildings, Data Centers, Infrastructure Software and Services.



VEGA

Manufacturer of sensors for measuring level, point level, pressure as well as devices and software.



BECKHOFF

IPC based I/O and Fieldbus Components, Drive Technology, Automation Software, Control Cabinet-free Automation & Hardware for machine vision.



RA **Rockwell**
Automation

Control Systems, Information Software, Motor Control Devices, Sensing Devices, Network Technology, Safety Technology, and Industrial Security.

Focused Sectors

- Oil & Gas
- Factory Automation
- Process Industries
- Utilities



Our Clientele



Contact us:

**Descon Automation
& Control (DAC)**

18-Km., Ferozepur Road, Lahore, 54760, Pakistan
Office: +92 42 35990034 | Ext: 811
Email: atif.raja@descon.com / descon@descon.com