



richard alan engineering

A RICHARD ALAN GROUP COMPANY

**Electrical &
Instrumentation Services**





Richard Alan Electrical & Instrumentation

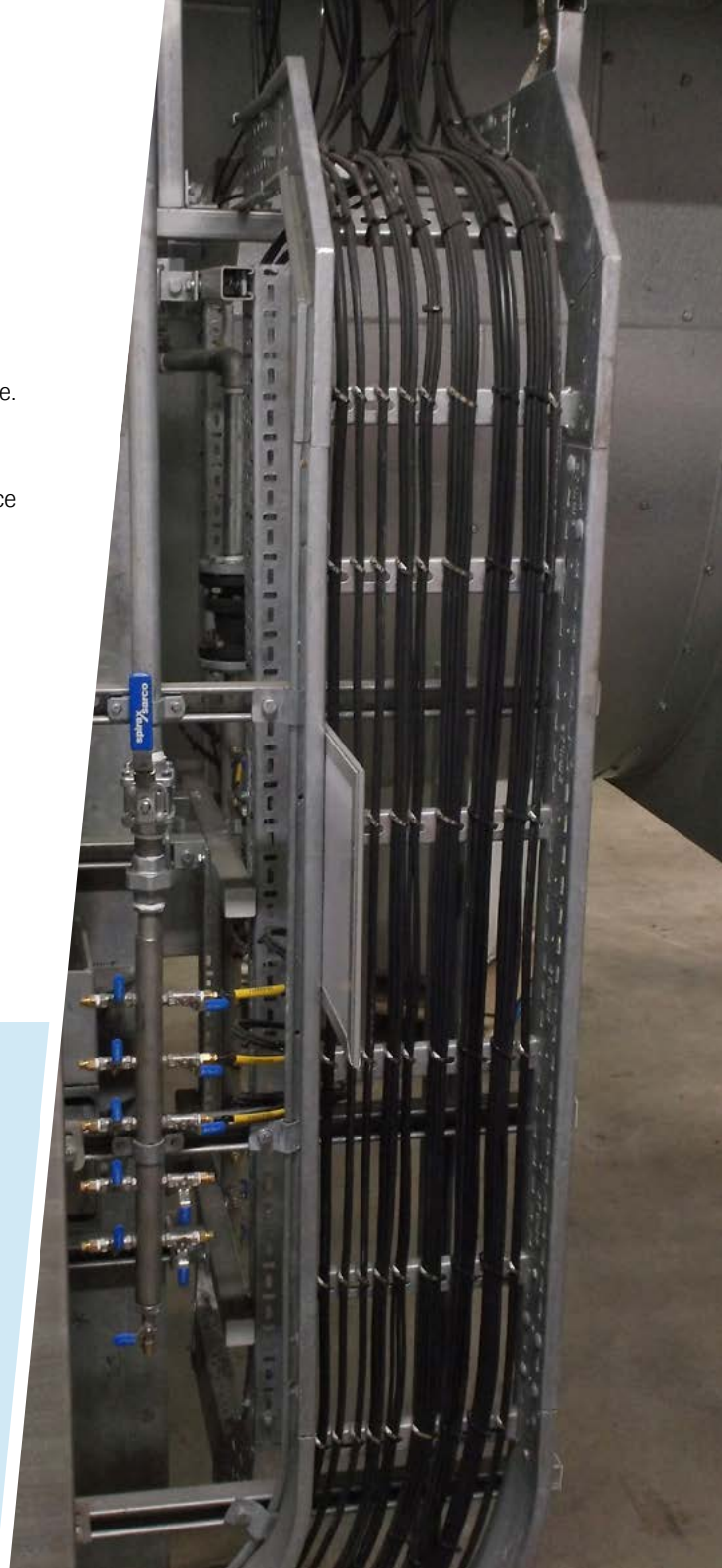
A long established and well respected private electrical and instrumentation company located in Dewsbury, West Yorkshire; they have built a reputation for consistently exceeding customer expectation, with excellent quality and service.

Operating successfully in heavily regulated process industries; their in-house electrical and instrumentation design and engineering team, has the experience and capability to provide you with, a seamless solution from concept, through to commissioning; with the varied experience in the Petro-Chem, Chemical, Pharmaceutical, Utilities, alongside, Oil and Gas industries, where stringent adherence to operational and documentation requirements are expected.



Electrical & Instrumentation Services

- **Electrical Engineering and Design**
- **Electrical Services**
- **Instrumentation Services**
- **Maintenance & Asset Care**

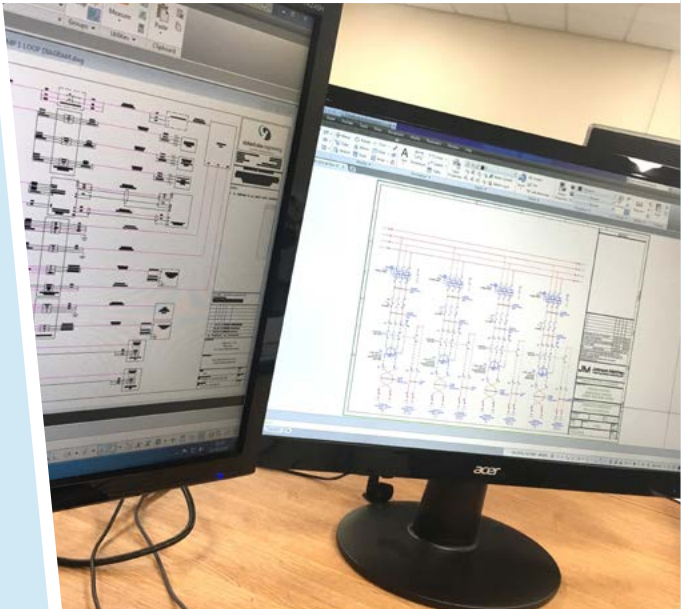
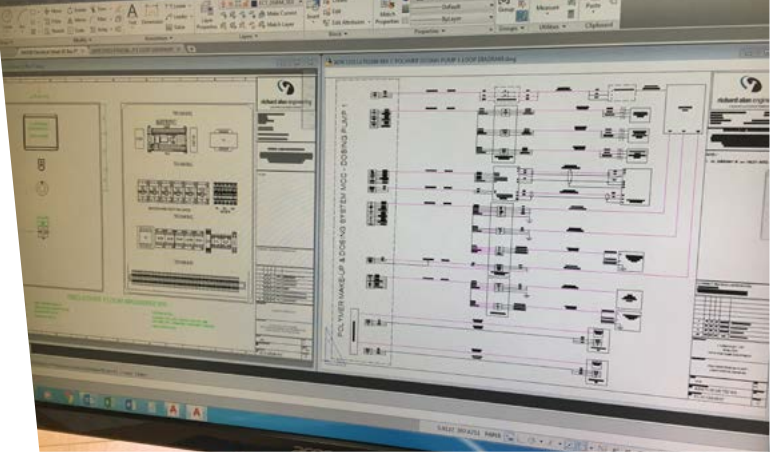


Electrical Design

The electrical engineering and design team, comprises of qualified, highly skilled, and experienced personnel; capable of providing all aspects of electrical, control and instrumentation design. Using practical knowledge and experience, the in-house design engineers, can deliver a full suite of cost effective, innovative and safe design solutions.

Detailed designs cover the full range of services from; intelligent instrumentation and associated communications networks through to HV/LV distribution systems and networks. Under the CDM 2015 regulations, Richard Alan, ensures that Health & Safety is considered paramount and incorporated in all of their design process.

- **Site Survey**
- **Plant load studies**
- **Low Voltage Distribution**
- **Cable routing layouts**
- **Cable schedules**
- **Termination drawings**
- **Process Parameter Measurement**
- **Plant services including lighting, earthing, lightning protection and electric surface heating**
- **Switchroom layouts including Motor Control Centres**
- **Installation drawings including Loop and schematic diagrams**
- **Equipment specification including technical appraisal and recommendations**
- **Functional tests including test method instruction sheet**
- **Installation schedules including material take off**
- **Control and interface room layouts**
- **Control Data Sheets**
- **Control and Data Acquisition**
- **Safety Shutdown Systems**
- **Technical support**
- **As built document records**
- **Software engineering**



Electrical Services

Richard Alan can deliver either a single project element or a complete turnkey solution. Offering design concept and visualisation, in-house manufacture and on-site installation, commissioning your project and providing a bespoke service and maintenance package.

With a vast pool of experience gained across a variety of sectors, their highly qualified and respected team of design engineers, electricians and technicians are able to easily adjust to the complexities of your evolving project, providing flexibility and support, with pride and attention to detail.

- **Design**
- **Engineering Construction/Site Installations**
- **Experienced in COMAH Site Conditions**
- **GMP Installation Specialists**
- **Energy Efficient Design and Lighting Installations**
- **NICEIC compliant Testing and Inspection**
- **Electrical Testing up to 11 kV**
- **BMS/FMS Systems**
- **PAT Testing**
- **Pre-commissioning and Commissioning**
- **Non-Hazardous & Hazardous Area Installation and Inspections**



Instrumentation Services

Whilst combining technical knowledge and attention to detail, remaining flexible, Richard Alan can develop and produce bespoke instrumentation projects; tailoring a solution to meet the customers exact requirements. Richard Alan can design and build custom control panels for a variety of industries, meeting various regulatory standards; experts in Instrumentation & Control System design, advanced software development, capability for PLCs, HMIs and SCADA systems.

- **Installation of Instrumentation**
- **Loop/Functional Testing**
- **Pre-calibration/Calibration of Instrumentation**
- **Profibus/Fieldbus Control Systems**
- **Non-Hazardous & Hazardous Area Installations and Inspections**
- **SIL & IS Calculations**



Maintenance & Asset Care

As a multi-disciplined engineering solutions provider, Richard Alan has the skills and expertise to deliver the full scope of mechanical, electrical, instrumentation and control services, as part of an ongoing maintenance programme; to provide full Asset Life Cycle Management, Term Maintenance and Minor Works for the design and build of new facilities or upgrades to existing facilities.

The planned and reactive maintenance service can be delivered through residential engineers or on an ad hoc basis, providing a flexible and independent support service; the team will manage and maintain your facilities, whilst ensuring compliance with legislation. The aim is to create and maintain a safe, secure and comfortable working environment whilst reducing costs, risks and disruption.

- **Reducing risk**
- **Minimise disruption**
- **Maximise efficiency and savings**
- **We plan and react**
- **We do our job so you can do yours**



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