

Process
Electronic
Systems
Engineering
Security
Training
Service





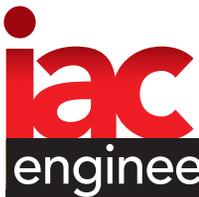
'turnkey' project services from conception to commissioning



Industrial Automation and Control Ltd. Is the foremost industrial systems integrator in the UK. Formed in 1989, the company has over 700 man years of engineering expertise within its current structure.

Operating from its state of the art factory in Newport, South Wales, IAC manufacture industrial control systems and specialise in the application of variable speed drive technology.

- Variable speed drive systems
- Motor control centres
- PLC systems
- SCADA
- Process control
- Instrumentation
- Communications systems



extensive experience in the automotive, pharmaceutical and manufacturing sectors



IAC engineering offers a mechanical design service for industry which includes the design and manufacture of special purpose industrial machinery. This is a turnkey facility offering design from conception through to installation and operation. Operating from factories in West Wales, the Company can offer both mechanical and electrical expertise all under one roof.

- Mechanical conceptual and detail design
- Manufacture
- Installation
- Commissioning
- Manufacturing advice
- Operational improvements

"We utilised IAC for the refurbishment of our galvanising line because of their extensive experience in the legacy equipment that needed to be replaced, and the knowledge of the new drives, PLC and SCADA equipment that has now been successfully installed and commissioned. The plant OEE has increased significantly as a result of this upgrade."

David Smith, Area Electrical Engineer, Zodiac, Llanwern Works



conceptual design through to commissioning and after sales service



IAC offer design and installation of process control and instrumentation systems for industry. The company has associations with all of the worlds major process equipment manufacturers and has successfully installed systems all over the world. IAC process offers a turnkey solution to process control problems.

- Process monitoring and control
- Instrumentation
- Batch control
- PLC
- SCADA

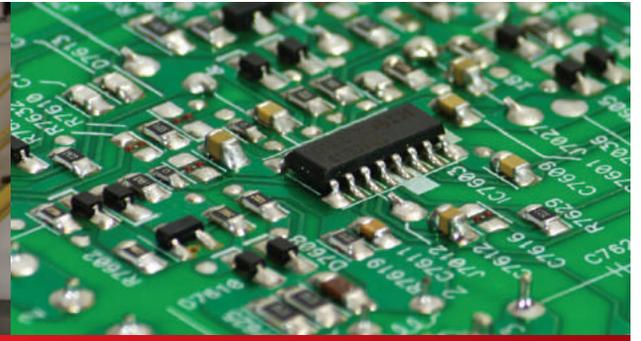
"IAC have provided Solutia a comprehensive range of engineer, procure and construct solutions, incorporating Form 4 type 2 MCC panels, integrated constant and variable torque VSD applications and electronic programmable safety instrumented system logic solvers. Their latest contribution involved a custom built multi-cubicle drive system panel to support the integration of a Bio treatment facility for treating effluent from our multi unit chemical manufacturing facility. Successfully delivering against a restrictive schedule, IAC remain a strong and valued EPC partner for Solutia UK Ltd."

Justin Ogleby, Senior Electrical Engineer at Solutia UK Ltd.



contract manufacturing service including PCB surface mount and hand assembly

electronic



The company has two surface mount assembly machines in its Newport city centre based factory, with flow soldering and hand assembly bays for complete manufacture and test of assembled goods.

- PCB assembly
- Surface mount assembly
- Hand assembly
- Completed manufacture testing
- Assistance and advice on design for manufacture



manufacturer of a range of heavy duty pan and tilt systems and general camera control devices

security



IAC security offers a security systems integration service including design, installation and commissioning of CCTV and general security systems for process monitoring as well as general intruder defence systems.

- Industrial process control monitoring and recording
- Intruder alarm systems
- CCTV control in arduous atmospheres
- Complete turnkey service for installation and maintenance

“IAC have an excellent engineering team who always take an interest in our product”

Siemens Water Technologies



includes full 24/7 call out cover with guaranteed response time



Operating alongside IAC systems, the service division offers a contractual after sales service facility for breakdown and preventative maintenance issues.

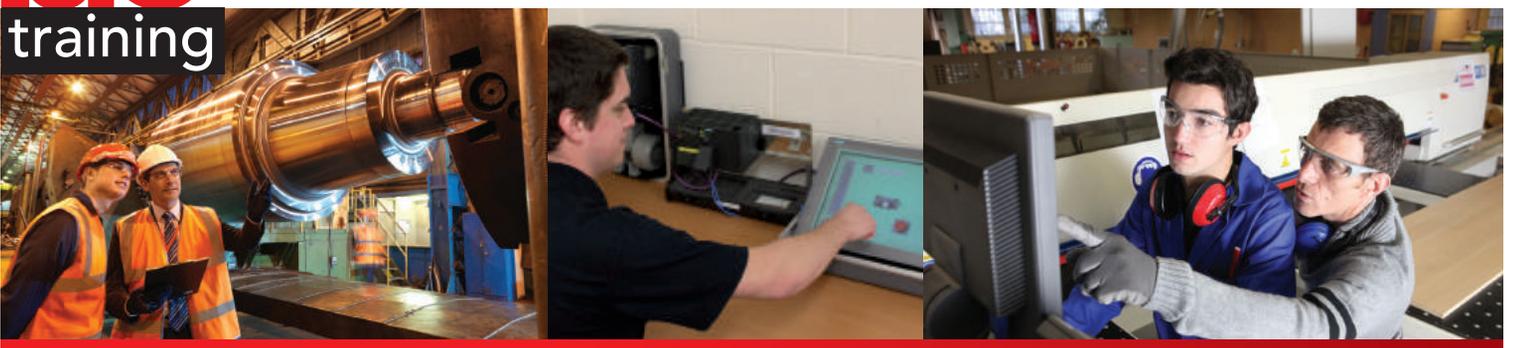
The division operates independently and concentrates wholly on the maintenance of existing installed equipment of any manufacture.

The division can offer a comprehensive profibus diagnostic service to identify issues and offer advice on solutions for communications systems.

- 24/7 Call out to contracted customers
- Full breakdown service
- Preventative maintenance
- Systems enhancement and monitoring
- Profibus diagnostic service



tailor made training to meet the customers exact requirements



IAC can offer a range of industrial training courses covering variable speed drives through PLC's, communication systems, safety systems and scada.

Training can be delivered at the customers site or in house at IAC's Newport factory in one of the company's dedicated training rooms.

IAC has a portfolio of existing courses to select from.

- PLC software training
- SCADA
- Variable speed drive instruction
- Profibus installation and diagnostics

"IAC have been a valued supplier to Siemens Water Technologies for over ten years and always deliver a quality product"

Cliff Dixon, Electrical Section Leader, Siemens Water Technologies

“we ensure that your equipment will be designed to the best standards and installed on time and as required”



Working with us means that you are assured of customer care.

Our company ethos requires us to look after our customers in a responsible and professional manner. IAC invests heavily in the well being and competence of its entire workforce.

Training and professional development are paramount to the fulfilment of the companies mission statement.



IAC has a wholly owned subsidiary company in Benoni, Gauteng, South Africa, which can offer complete panel design and manufacture.

Tiprow controls was purchased in 2009 and operates from a 10,000 sqft facility on the outskirts of the busy town of benoni, just outside Johannesburg. Tiprow has a certified form 4 motor control centre design, approved by the major mining companies in the area.



Our Premises

Contain onsite facilities for the testing of large drive systems and within the 37,000 sq ft facility we have lifting and handling equipment to manage up to five tonnes in a safe and responsible manner.

Being close to the M4, and with excellent access roads, we can accommodate wide loads and awkward shaped equipment.

The factory houses our systems, service and process divisions, as well as our training and conference facilities.

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A part of the Industrial Automation and Control Ltd group

