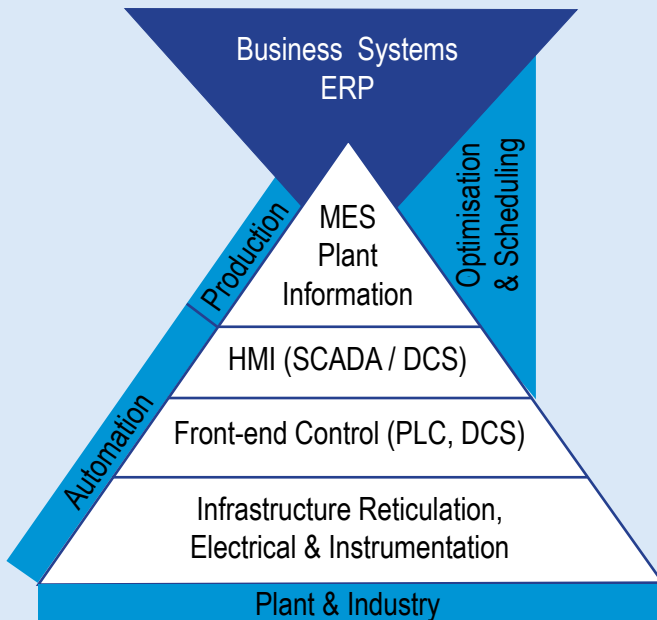


What line of business are we in?

IRITRON is a new millennium engineering company established in January 2000. The team has an extensive track record of successful implementation of plant infrastructure reticulation, electrical and instrumentation designs, automation and information systems. In more mature environments IRITRON's involvement tends towards engineering and operator training simulators, scheduling and optimisation systems.



Our fields of expertise encompass all levels in the automation & production layers shown above.

IRITRON industry experience:

- Cement and aggregates
- Mining
- Metals
- Mineral processing
- Utilities (Power, energy, water, waste water etc.)

IRITRON have a proven track record in these industries and manage projects efficiently.

What do we offer our customers?

IRITRON applies a suite of tools and technologies to optimally address the customer's specific requirements.

We offer:

- A wide range of project services delivery models including turnkey, EPCM and single phase project segments
- Electrical, instrumentation and control system engineering, design and consulting services
- Structured projects executed as per the International Society of Automation (ISA) and SABS ISO 9001:2008 methodology. Plant automation audits
- Process simulation enabling rapid implementation and faster return on investments
- After sales service and support contracts

Based on ISA and our quality methodologies, the following project phases are defined: tendering & contract preparation, preliminary design, engineering & detail design, programming, manufacturing, acceptance testing, installation, commissioning, hand-over and optimisation. During these project phases IRITRON emphasizes project management, design reviews, quality control and configuration management.

Our experience, linked to sound fundamental understanding of processes, mathematics, networks, hardware and software applications, ensures viable and valid solutions.

Major clients:



Experience

IRITRON has experience with the following equipment and processes:

- Air compressors
- Belt filters / filter presses
- Beneficiation plants
- Cable / wire plants
- Centrifugal compressors
- Chemical and flocculent dosage plants
- Clarifier control systems
- Crushers
- Control of density, temperature, pressure, flow etc.
- Dewatering plants
- Distillery plants
- Dust suppression plants
- Filter presses
- Flotation processes
- Furnaces and kilns
- Leaching, roaster, acid and evaporation processes
- Load out stations
- Material handling equipment (conveyors etc.)
- Mills
- Power factor correction systems
- Power optimisation
- Power reticulation
- Power utility project management
- Protection and control
- Pumps and motors
- Sampling / batching systems
- Stackers / reclaimers / stock piling systems
- Thickener plants
- Weigh bridges / mass measurement
- Wet screening plants



Certifications

1. International TUV ISO 9001:2008 Certification
2. Wonderware ArchestrA Certified System Integrator
3. Member of Electrical Switchgear Association of South Africa (ESASA)

Our fields of expertise

Design & engineering:

1. Electrical systems
 - MV (Medium voltage up to 132kV)
 - LV (Low voltage up to 1 kV)
2. Instrumentation systems
3. Control systems
4. Management Information Systems (MIS)
5. Manufacturing Execution Systems (MES)

Software development & systems integration:

1. DCS systems
2. PLC systems
3. SCADA systems
4. Information and data historian systems

Simulation:

1. Factory Acceptance Test (FAT) simulation
2. I/O and sequence control
3. Dynamic simulation, rule based simulation
4. Event-based simulation
5. Engineering and training simulators

Design based tools:

1. Electrical and instrumentation; 1Des, DAD, AutoCAD, INtools, Microstation 3D & Excel

Business partners:



GE Intelligent Platforms



How to contact us

0861 IRITRON

Tel: +27 12 349 2919

Fax: +27 12 349 1609

info@iritron.co.za

www.iritron.co.za



Unit 2, Persequor Close
49 de Havilland Crescent
Persequor Techno Park
Meiring Naude Road
Lynnwood, Pretoria
South Africa