



CONTROLLEC

INTEGRATED SYSTEM SOLUTIONS



Key Services

- Control System Audit & Consultation
- Control System Maintenance / Upgrade
- System Security and Maintenance
- Control System Optimization
- PLC Programming/Debugging
- SCADA/HMI Development
- Factory Acceptance Testing
- On-Site Commissioning
- Specialized Device Integration
- Network / CCTV System Design
- Software Training
- Instrumentation and Electrical Design

Brand Experience

- Siemens
- Schneider Electric
- Mitsubishi / ABB
- Allen Bradley
- Wonderware / InTouch / Archestra

Industries

- Mining, Minerals and Metals
- Food and Beverage
- Water and Waste Water
- Cement and Aggregates
- Pulp and Paper
- Automotive
- Energy and Power
- Environmental Management

Client Experience

- Kumba Iron – 4 man years
- Mercedes Benz Europe – 4 man years
- Nissan SA – 2 man years
- BMW SA – 2 man years
- ASSMANG Group – 2 man years
- Coca Cola Group – 2 man years
- Exxaro – 1 man year
- Pioneer Foods – 1 man year
- General Industry – 15 man years





CONTROLLEC (Pty) Ltd is a new age Technological Engineering Company that is driven by three core values namely Passion, Perfection and Partnership. Passionate in what we do drives us to exceed customer expectations. Perfection in workmanship due to attention to details results in less rework and lower costs. Above all our most important value is our partnership with our client. We concentrate on building long term relationships and grow with you as a company. Our success lies in streamlining your business and ultimately your success.

We offer a range of services to cater for your full project scope.

SCOPE We provide specialist services to assist customers in developing scope documents. Plant audits are done to establish areas of improvement and customer specific requirements.

DESIGN and PLANNING Associated documentation and planning of a control system and determination of system requirements. Using CAD for design documentation including: P&ID, Functional Specifications, Panel Layouts, IO Schedules, Cable Schedules, Instrument Hook Ups, and Instrument Loop Diagrams. Explosion prevention design for Intrinsically Safe Systems.

SIMULATION of plant conditions and negative testing before the implementation phase of project.

FAT on software and control panels to ensure reduced implementation times of new or upgraded equipment.

OPTIMISATION and upgrading of existing PLC & SCADA Software and code to

minimise downtimes and ease code fault finding.



COMMISSIONING of control systems and field instrumentation in plant environments across all sectors. Fault finding on all equipment. Upgrading of existing control systems and assistance in maintenance planning and scheduling. Site management of crews during installation of equipment and instrumentation. Integration of specialized devices e.g.: Bar code scanners and printers, Weighing Stations as well as industrial communication protocols such as Profibus, DeviceNet, Control Net, Anybus, InterBus S, AS-I Bus, C-Bus. Design and Installation of Industrial and Office Networks. Design and Installation of CCTV Systems and Networks. Programming and configuration of various SCADA and HMI software packages (Wonderware, Citect, Zenon, Adroit, Siemens- WINCC, ESA, Mitsubishi, Rockwell). Integration of these packages using .NET scripting to PLC control systems. System de-bugging and fault finding on PLC Software.

TRAINING is provided to plant operators and maintenance personnel for plant specific and package specific needs to improve production and plant availability.

For enquiries please contact Sabin Nair on +27(0)11 468 3065 or alternatively mail to info@controllec.com

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