

specialist consulting engineers and solution providers

forensic engineering & project services
electrical/electronic systems & infrastructure
earthing & lightning protection systems
lightning detection & warning systems
sensitive & mission critical systems
power reliability & quality
high voltage engineering
project management
industrial EMC

INNOPRO is a specialist consulting engineering and solution provision company. We offer a unique combination and level of technical expertise, qualifications and experience, and pride ourselves on our highly professional service.

From our centralised operational base in Centurion (Gauteng, South Africa), we service our various clients locally, nationally and internationally.

APPLICATION AREAS

Our available technical team has many years of South African and international collective experience. This experience includes applications related to inter alia :

- *Airport and aviation infrastructure*
- *Communications infrastructure*
- *Petrochemical industry*
- *Mining infrastructure*
- *Information technology (IT) infrastructure*
- *General industrial infrastructure*
- *Commercial infrastructure.*
- *Power system infrastructure*
- *Insurance and legal forensic investigations*

OUR SERVICES

Our services include:

- *Technical assessments and investigations*
- *“Green field” and “Brown field” design (high level and detailed design and documentation)*
- *Remedial consulting and design*
- *Implementation and implementation support*
- *Project management & consulting*
- *Development of maintenance strategies and plans*
- *Forensic engineering & project investigations and consulting*
- *Training, in association with the University of the Witwatersrand*

The logo for INNOPRO features the company name in a bold, blue, sans-serif font. A red swoosh underline starts under the 'I' and extends past the 'O', ending under the 'P'.

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**Specialist consulting
engineers & solution
providers**

Operating nationally in South Africa
and internationally

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INNOPRO

is a sister company of



Global Africa Projects (GAP) is a project consulting, management and engineering company. GAP operates in the areas of:

- Multi-disciplinary project strategising, planning and management.
- Dispute avoidance and resolution (incl ADR), and project investigations & audits.
- High level & systems engineering consulting specifically in the electrical and electronic (technology) sectors.

FORENSIC ENGINEERING/PROJECT SERVICES

INNOPRO team members have expertise and experience in respect of **forensic engineering & project services**. Application areas include electrical accidents/incidents, electrically-related fires, lightning incidents, electrical/electronic systems and infrastructure, and project management related investigations (*multi-disciplinary*) as well as remedial engineering and project management consulting.

Our services also include independent, objective general technical and project assessment and problem solving investigations and consulting.

EARTHING & LIGHTNING PROTECTION SYSTEMS

A holistic and integrated approach is essential in order to achieve effective earthing, lightning protection and lightning detection/warning systems. Our earthing expertise and experience includes power system and lightning protection applications. Our services include assessments, design and documentation and implementation oversight, as independent and professional specialist consulting engineers.

INNOPRO personnel have extensive and successful experience across a range of application areas, and all projects are supervised by a Professional Engineer.

The **Integrated Lightning Protection Solution— iLPS —** methodology from *INNOPRO* takes account of all critical issues in an **integrated** manner, including risk and technical assessment, design and documentation, maintenance planning, implementation and training and awareness. This integrated approach is essential to ensure an effective solution .

ELECTRICAL & ELECTRONIC INFRASTRUCTURE AND SYSTEMS

INNOPRO offer systems engineering and detailed design and implementation stage services in electrical and electronic systems and infrastructure. This includes applications relating to communications systems, information/software engineering, industrial applications, electrical power systems, and standby power and power quality.

In particular we also provide services and solutions in respect of sensitive and mission critical infrastructure and systems such as computer rooms, control rooms, communications infrastructure and similar installations.

We also have in-house expertise in high-voltage electrical engineering.

PROJECT MANAGEMENT

INNOPRO offers multi-disciplinary project assessment, problem solving and project consulting services, as well as remedial project management consulting. These services are offered for forensic purposes as well as where an independent project consulting service is required. Project planning and management services are also provided in support of our own engineering and project activities.

INDUSTRIAL EMC

Industrial Electromagnetic Compatibility (EMC) problems typically manifest themselves through symptoms such as under-performing data networks, erratic equipment failures and/or equipment damage. In many cases they can be linked to equipment upgrades where the new equipment is more sensitive to the plant or application operating environment. Whilst faulty equipment or poor installation can be the cause of the problems, in many cases the problem can be traced to inadequacies in the equipment or plant environment.

INNOPRO provide consulting engineering services in respect of Industrial EMC problems in the industrial, power, IT and communications environment. Our services include electrical/power and electronic system evaluations, including installation inspections, bonding and cabling strategy evaluation, and necessary measurement.

PROFESSIONAL TRAINING

We are, in association with the University of the Witwatersrand, able to offer CPD accredited training courses and seminars in the fields of industrial EMC, earthing and lightning protection. These can also be presented in-house, with the presentation tailored around the application of the general principles to the Client's particular environment and application. We also able, on request, to offer seminars and training around other aspects of our expertise and services.