

PRODUCT CATALOGUE



PRODUCTS

COMMERCIAL

ADVANCED DATA ANALYTICS



EYE-LYTIX

A strategic trade intelligence service that converts global import/export data into actionable Business Intelligence.

REPORTING SYSTEMS



ESG REPORTS

ESG reporting is the disclosure of a company's environmental, social, and governance performance.

INDUSTRIAL

PROCESS MODELLING



SCHEMATICS

This visualises the intricate relationships between physical assets, process steps, control mechanisms, and flows.

MONITORING



GENERATOR

This is an IoT-driven solution that provides 24/7 visibility into the health and status of your standby power assets.



SERVER

Server monitoring is the continuous tracking and analysis of IT infrastructure performance and availability.

BUSINESS PROCESS AUTOMATION



RESOURCE MANAGEMENT (TIMESHEETS)

A resource management digital timesheet workflow is a solution that streamlines employee time tracking and payroll management.

PRODUCTS

PROCESS SAFETY



EX-INSPECTION

This replaces paper-based methods with a digital system that guides the entire compliance lifecycle.



SIL TARGETING

SIL targeting is a structured risk assessment process used to determine the required level of risk reduction for a safety function.



SIL VERIFICATION

SIF verification is a detailed engineering analysis used to confirm that a safety function meets its assigned SIL target.



SIS PERFORMANCE MANAGEMENT

SIS performance management continuously monitors and evaluates a Safety Instrumented System's performance.

ENERGY

BUILDING MANAGEMENT SYSTEMS



SMARTEH

Industrial automation solutions and control systems for process control and building automation applications.



DATA CENTRE MONITORING

A Data Centre Infrastructure Management solution that unifies generators, solar, cooling, UPS, and IT systems into one platform.



EEDSM

EEDSM is a strategic approach used to reduce electricity consumption and manage peak energy demand.



FURNACE EFFICIENCY MONITORING

This is the systematic process of measuring, tracking, and analysing the performance of an industrial furnace.

ENERGY REPORTING SYSTEMS



EAZYEPC

A digital platform that automates and streamlines Energy Performance Certificate (EPC) compliance in South Africa.



GHG REPORTING

The process of measuring, compiling, and submitting emissions data generated by an organisation's operations.

SERVICES

TRAINING & DEVELOPMENT

TRAINING COURSES



ALARM MANAGEMENT WORKSHOP

Training that equips teams to optimise alarm systems, improve safety, and reduce alarm overload.



AUTOMATION INTEGRITY WORKSHOP

Training that equips teams to ensure reliable, safe, and compliant automation system performance across industrial operations.



PLC/DCS WORKSHOP

Training that equips engineers and technicians with the skills to operate, configure, and maintain industrial control systems.



PROCESS CONTROL WORKSHOP

Training that equips professionals with the skills to monitor, analyse, and optimise industrial processes.

ENGINEERING

CONTROL & INSTRUMENTATION



USER REQUIREMENT SPECIFICATION

Clearly defines exactly what a new system, asset, or facility must achieve from the perspective of the business and the end-user.



FUNCTIONAL DESIGN SPECIFICATION

A detailed document that defines how a system will function, outlining its logic, features, and interactions with users and systems.



CONTROL NARRATIVES

A document describing how a process is automated using control logic and sequences in PLC or DCS systems.



ACCEPTANCE TESTING SPECIFICATION

A formal document defining test plans, test cases, and pass/fail criteria to verify a system meets user and business requirements.



CONTROL LOOP MANAGEMENT & TRAINING

This is the active, ongoing process of maintaining, tuning, and optimizing the Proportional-Integral-Derivative (PID) controllers.

PROCESS SAFETY



HAZARD & OPERABILITY STUDY

HAZOP is a highly structured, systematic risk assessment technique used to identify potential safety hazards.

SERVICES



SAFETY INTEGRITY LEVEL

SIL is a quantified metric that defines the required level of reliability and risk reduction for a Safety Instrumented System (SIS).

PROCESS ALARM MANAGEMENT



ALARM PHILOSOPHY

A formal, site-specific document that establishes the foundational principles and rules for managing a facility's entire alarm system.



ALARM RATIONALISATION

Process Alarm Rationalisation is a structured review of control system alarms in DCS, SCADA, or BMS systems.



ALARM BASELINE ASSESSMENT

A Process Alarm Baseline Assessment is a comprehensive initial evaluation of a facility's existing alarm system.



ALARM MANAGED SERVICES (BAD ACTOR)

A suite of engineering and consulting solutions that transforms alarm systems from noise into a reliable operator tool.

ENERGY

PYPSA MODELLING



MODELLING INTEGRATED POWER MARKETS

This is a data-driven, analytical process used to create a numerical simulation of a modern power system.



The Human Reliability Company

PAS AUTOMATION SERVICES HEAD OFFICE (SOUTH AFRICA)

Suite 1211, The Leonardo, 75 Maude Street
Sandton Central, 2146

PAS AUTOMATION SERVICES HEAD OFFICE (KENYA))

No. 7 Elgon Road, Bamboo Gardens. E7. Upperhill
Nairobi Kenya

PAS AUTOMATION SERVICES HEAD OFFICE (UNITED KINGDOM))

Clockwise Offices, Commercial Quay, 84
Commercial St, Leith, Edinburgh, EH6 6LX



CONTACT

SOUTH AFRICA

+27 10 443 2581
info@pas-sa.co.za

KENYA

+254 710 418 827
a.arende@amriya-energy.com
cc: reception@pas-sa.co.za

UNITED KINGDOM

+44 774 109 8913
pgosai@pas-sa.co.za
cc: reception@pas-sa.co.za

