

**Curriculum Vitae**

**Edward Justin Baldrey – Principal Electrical Engineer**



**Profession:**

- Electrical Engineer

**Education:**

- BSc Electrical Engineering, University of Natal 1994 - 1998

**Registrations / Affiliations:**

- Engineering Council of South Africa, Professional Engineer registration number 20060050.
- South African Institute of Electrical Engineers - Member

**Specialisation**

Electrical, control and instrumentation, PLC and SCADA systems, communications and networks

**Expertise**

Electrical, control and instrumentation systems related to Mining / Process Plants/ Pumping systems.

**Employment History**

<b>2008-Present</b>	Principal Engineer	Independent Consultant
<b>2007-2008</b>	Project Manager	Hiprom (Pty) Ltd
<b>2006 – 2007</b>	Automation Project Manager	DMG Group
<b>2000 – 2006</b>	Compressor Control– Project Engineer	Hiprom (Pty) Ltd
<b>1999 - 2000</b>	Engineer-in-training	ESKOM: Duvha Power Station

**Key Experience**

- Axmin – Specification of a 20 MW power plant for a gold mine in the Central African Republic.
- East Rand Water Care Company (ERWAT) – Detailed control and instrumentation design for the Welgedacht 50 MI per day upgrade project. Commissioning of the Waterval Module 4, 50 MI per day upgrade project.
- Burnstone Gold Mine – Detailed electrical design for the mine surface and underground infrastructure.



- Uramin (AREVA) – Control and instrumentation detailed design for three 2.5MVA pump stations for the transfer of desalinated water from a desalination plant at the coast to a mining area 49km inland in Namibia.
- Responsible for the Impala Platinum Account for Hiprom, duties included the overseeing of all Hiprom projects at Impala Platinum. The work included design, management, software development and commissioning of control system/ automation projects.
- Design, management, software development and commissioning of projects for the Sun International Group. The responsibilities included the management of all new automation projects that were being installed at Sun City and the Carousel, as well as the maintenance of the existing Building Management Systems. This included the monitoring and control of the electrical reticulation network, monitoring and control of all heating ventilation & air-conditioning systems as well as all auxiliary services (water reticulation and pumping, Valley of the Waves, Sky-Train, and theatre.)
- Responsible for the management, design, installation, commissioning and handover of the complete electrical and instrumentation portions of various new compressor installation and upgrade projects. The projects included instrumentation design, electrical design, procurement, construction management and commissioning. Responsible for the technical management of projects being performed at the Rustenburg branch. The work involved the automation of shafts including pump stations, loading boxes, conveyor belts etc.