Telecommunications



Eliminate Down-time and Improve Quality

Adroit Technologies

Confidential

COPYRIGHT © 2022 ADROIT TECHNOLOGIES. ALL RIGHTS RESERVED

Adroit Solutions

Telecommunications

Adroit Technologies concerns itself mainly with R&D, Production, Sales & Marketing, Training and Support of software products for Automation, SCADA, MIS and MES solutions. In addition, Adroit Technologies has a professional services arm, known as Adroit Technologies Technical Services that consults in and develops customised industrial IT, MIS and MES solutions for customers.

The **Telecommunications Sector** is a vast and complex one and the Adroit SCADA is ideally suited to assist in the efficient monitoring and control of even the most complicated production plant.

The rigid and quality driven nature of this industry is ideally suited to the Adroit SCADA/HMI product. The time tested and proven reliability of the product sees Adroit being used by large producers to safely run these valuable and strategic assets.

The Adroit architecture and openness offers companies a unique capability of not only traditional SCADA/HMI functionality but the ability to integrate all aspects of their operations. By adopting a more holistic approach to Operations Management significant savings and operational efficiencies can be realised.

In this sector, Adroit is uniquely placed to ensure a superior quality of supply in all aspects of the operations and management of these facilities.

Adroit SCADA Capabilities and Benefits:-

- Process Visualisation
- Process Events and Alarming Management
- Quality Management
- Historical Data Logging and Trending
- Fully Object orientated
- Process Improvement / Built in Auditing functionality
- Reporting and Analysis
- Integration into Business Applications

COPYRIGHT © 2023 ADROIT TECHNOLOGIES. ALL RIGHTS RESERVED

Telecommunications

Telecommunications

Target Areas	Challenges	Solutions
• IoT • Communications • Data Centres	• Networks • Cloud / Coverage • Tracebility	• SCADA • PLC • RTU • HMI • M2M, MQTT



COPYRIGHT © 2023 ADROIT TECHNOLOGIES. ALL RIGHTS RESERVED

MultiChoice, South Africa

Telecommunications

MultiChoice is the leading multichannel digital satellite television operator across the African continent.

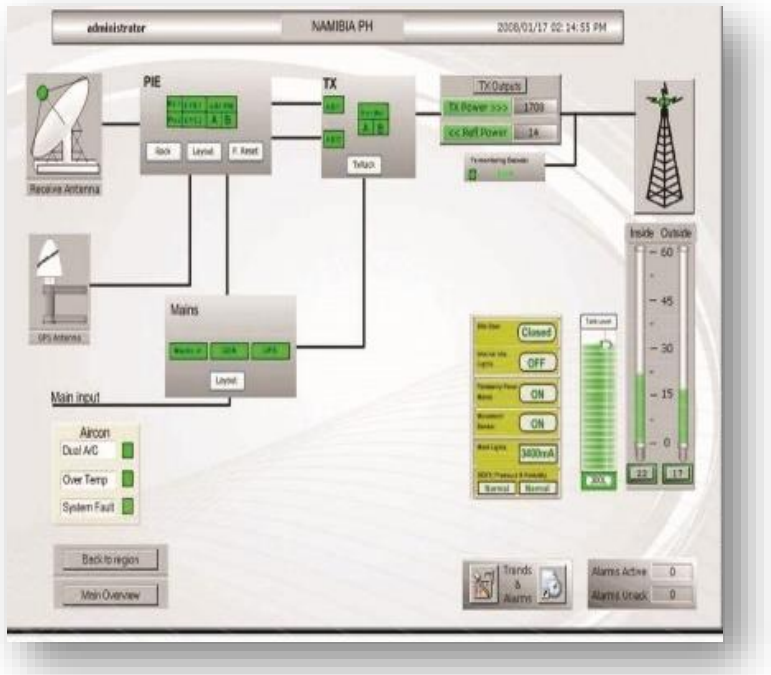
Its dynamic technology platform and varied bouquet of channels, built on a foundation of compelling premium entertainment, has seen MultiChoice grow its business across South Africa.

Partnering with Africa's #1 SCADA all their bay stations are monitored via SNMP, Allen Bradley and Modbus protocol back to head office in Johannesburg, South Africa.

The interface was built on the Adroit Information Portal platform. This allows operators to access the system from disparate geographical locations across the Internet using either the smart-client in LAN connection or over the web using the web service capability of the product.

Stand Alone Configuration

– 25000 Scan Points and 15 Remote Client Connections



COPYRIGHT © 2023 ADROIT TECHNOLOGIES. ALL RIGHTS RESERVED

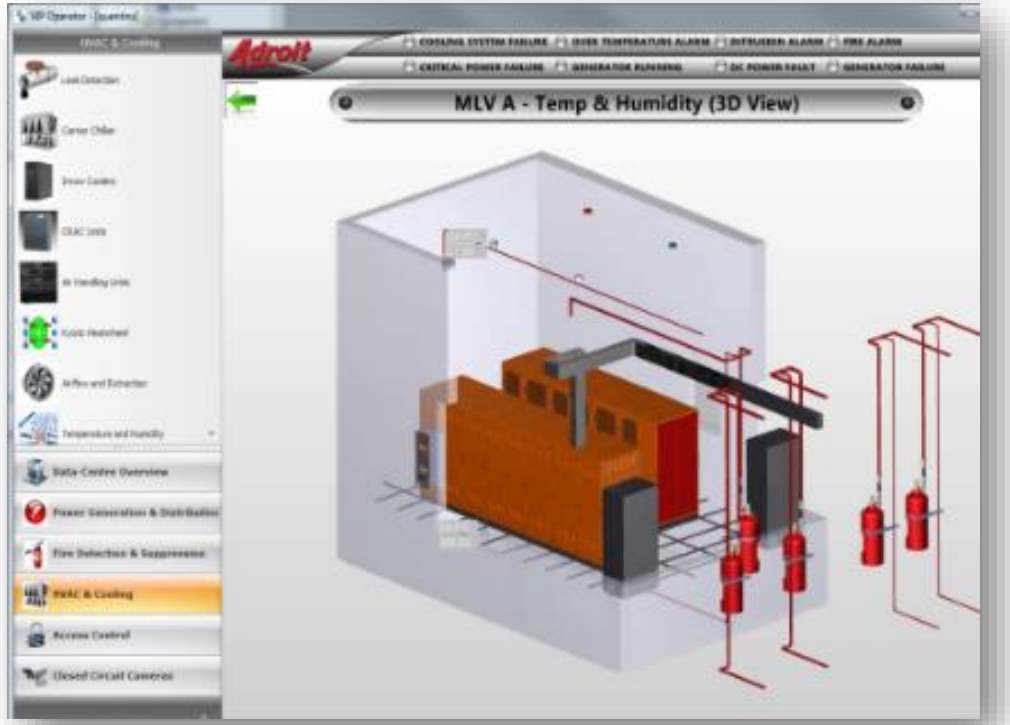
MTN, South Africa

Launched in 1994, the MTN Group is a multinational telecommunications group, operating in 21 countries in Africa and the Middle East. As at the end of December 2006, MTN recorded more than 40 million subscribers across its operations.

Adroit Information Portal is used for MTN's Business Management System (BMS) to control their Data centres across South Africa. Adroit monitors temperature, power, cooling, humidity, generators and the UPS. Communication to Adroit is done with Mitsubishi Electric Q-series PLC, SNMP and Modbus Ethernet protocol.

Stand Alone Configuration

- 50000 Scan Points and 20 Remote Client Connections



Telecommunications

COPYRIGHT © 2023 ADROIT TECHNOLOGIES. ALL RIGHTS RESERVED

Vodacom, South Africa

Telecommunications

Vodacom is an African mobile communications company providing voice, messaging, data and converged services to over 45 million customers.

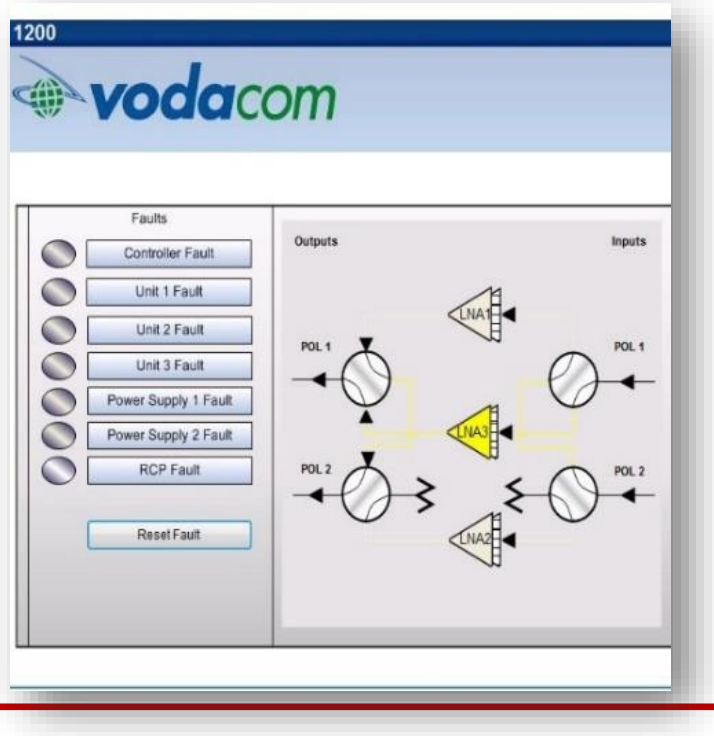
From our roots in South Africa, we have grown our operations to include networks in Tanzania, the Democratic Republic of Congo ('DRC'), Mozambique and Lesotho.

Vodacom required the creation of an Adroit Information Portal based network management system to remotely monitor (and control) various hardware components that made up their ground based

Satellite communication infrastructure (modems, controllers as well as a Spectrum Analyser).

Active Cluster Configuration

- 25000 Scan Points and 8 Remote Client Connections



COPYRIGHT © 2023 ADROIT TECHNOLOGIES. ALL RIGHTS RESERVED

Sentech, South Africa

Sentech is a State Owned Enterprise (SOE) operating in the broadcasting signal distribution and telecommunications sectors and reporting to the Minister of Communications.

Adroit is implemented on a central master/slave server used to gather and log the statuses of the equipment installed on about 260 sites in the republic of South Africa.

A mixed set of links that includes Fibre, Satellite, GSM and SMS is used to gather the input data.

Adroit SCADA Intelligence is used to display historical data and generate reports to check conformance to SLA agreement with our clients.

Alarm analysis tool is used to do root cause analysis on the alarms generated by the system.

Hot Standby

– 25000 Scan Points and 18 Remote Client Connections



COPYRIGHT © 2023 ADROIT TECHNOLOGIES. ALL RIGHTS RESERVED