COMMITEC

DISCOVER INTELLIGENCE

COMMITEC PROFILE

Harness the energy of the digital age with speed and confidence. We will support you in managing your assets, providing ICT services. Leave ICT related issues with us and focus on your core business...

"Our commitment to quality, integrity, and customer satisfaction is evident in every aspect of our operations".

MORE INFO

www.commitec.com

CALL US

+27 83 507 6568 /
+27 83 507 0479

THE COMPANY

Commitec (Pty) Ltd is a leading provider of cutting-edge technology solutions that enable businesses to innovate, streamline processes, and achieve operational excellence. We specialize in delivering comprehensive IT services, including software development, IT consulting, cloud computing, cybersecurity, and managed services.

Our team of experienced professionals is dedicated to creating custom solutions tailored to our clients' unique needs, ensuring that they stay competitive in the ever-evolving digital landscape.

COMPANY HISTORY

In 2009, the co-founders of Commitec (Pty) Ltd realized the opportunity of creating robust and scalable information technology applications and systems that address the individual needs of business, resulting in efficient and more rewarding business operations.

MISSION

Our mission is to empower businesses through innovative technology solutions, helping them achieve efficiency, security, and growth in a digital-first world. We strive to provide exceptional customer experiences by delivering reliable, scalable, and cost-effective IT services.

VISION

To be the premier provider of Information Technology solutions.

CORE VALUES

- **Innovation**: We continually innovate to provide cutting-edge IT and IoT solutions.

- **Customer Focus**: We work closely with clients to understand and solve their specific challenges through tailored solutions.

- **Integrity**: We uphold the highest standards of ethics, trust, and transparency.

- **Collaboration**: We believe in strong partnerships to build comprehensive technology ecosystems.

- **Sustainability**: We leverage technology to create sustainable, energy-efficient solutions that benefit businesses and the environment.

SERVICES OFFERED

- **IoT Solutions & Integration**: We develop and integrate IoT platforms that connect devices, systems, and users, enabling smart automation, predictive analytics, and real-time monitoring. From smart homes to industrial IoT, we design solutions for a wide array of applications.

- **Integrated Security Solutions**: comprehensive security systems that combine multiple security measures, both physical and digital into a unified approach. Such include Access Control Systems & time Management, Surveillance Systems and Intrusion Detection.

- **Cloud & Edge Computing**: Cloud solutions that scale with your business needs, along with edge computing to bring data processing closer to connected devices, reducing latency and improving response times.

- **Cybersecurity**: We provide robust cybersecurity services specifically designed for IoT environments to protect data and devices from emerging threats.

- **IT Consulting & Digital Transformation**: Strategic IT and IoT consulting services to guide businesses through digital transformation, enhancing their technological infrastructure to drive innovation.

- **Managed IT & IoT Services**: Comprehensive management of IT and IoT systems, including remote monitoring, network management, device updates, and proactive maintenance.

- **AI and Data Analytics**: Using data from IoT devices, we offer advanced analytics powered by AI and machine learning to provide actionable insights, predict trends, and improve business decision-making.

IOT SPECIALIZATION

At Commitec, our expertise in IoT enables us to deliver transformative solutions for:

- **Smart Cities**: Creating connected ecosystems that enhance urban living through smart transportation, efficient utilities, and intelligent infrastructure.

- **Smart Parking**: The use of technology, primarily IoT (Internet of Things) and data analytics, to improve parking efficiency, reduce traffic congestion, and provide real-time information to drivers.

- **Smart Mining**: Integrate automation, IoT, AI, and data analytics into your operations, transforming traditional mining into an efficient, safe, and sustainable endeavor.

- **Smart Waste**: Optimize waste collection, disposal, and recycling processes. Using Internet of Things (IoT) sensors, data analytics, smart bins, and software platforms, smart waste systems improve operational efficiency, reduce environmental impact, and promote more sustainable waste management practices.

- **Industrial IoT (IIoT)**: Empowering manufacturers with real-time monitoring, predictive maintenance, and connected factory operations to enhance productivity and reduce downtime.

- **Healthcare IoT**: Leveraging IoT to improve patient care through connected medical devices, remote health monitoring, and data-driven diagnostics.

- **Retail IoT**: Delivering personalized customer experiences through smart shelves, inventory tracking, and IoT-based customer insights.

KEY CLIENTS & PARTNERSHIPS

Our clients span industries such as manufacturing, healthcare, retail, agriculture, and smart cities. We partner with leading technology companies like Idemia Group, Impro, Qualys, Amazon Web Services (AWS), etc to deliver scalable, secure, and efficient IoT solutions.

TEAM EXPERTISE

Our team consists of certified IT professionals, software developers, cybersecurity experts, cloud architects and infrastructure technicians with years of experience in delivering innovative solutions. We are committed to continuous learning and staying at the forefront of technological advancements.

WHY CHOOSE US?

- Proven track record of delivering results for clients across different sectors.

- Customized IT solutions tailored to your specific business challenges.

- Expertise in the latest technologies, including AI, IoT, and Blockchain.

- Reliable, 24/7 customer support.

- Competitive pricing without compromising on quality.

MAJOR PROJECTS UNDERTAKEN

TELKOM DATA CENTRE AUDIT

Commitec (Pty) Ltd was tasked with ensuring the upkeep and maintenance of Telkom data centre in light of power, cooling and space capacity challenges. Telkom had to ascribe to industry best practices for data centre upkeep to keep their equipment running at optimal levels. For this purpose, Commitec (Pty) Ltd offered its Data Centre Audit (DCA), a service which was aimed to give facility managers an objective view of their infrastructure, and imparts best practices in the design, management and operation of data centre infrastructure.

It involved data centre inspection and data collection covering the following: facility, racks and cabling, cooling, power, monitoring systems and service practices. It also includes general data centre characteristics and maintenance practices.

The site check-up provided:
Performance relative to 50+ best practices in five categories: Cooling, Power, Monitoring, Service, and General Facility & Security.
Snapshot of data centre health including capacity utilization statistics and opportunities to improve availability and efficiency.

We provided Telkom with a comprehensive report summarizing findings and observations. This determined how Telkom's data centre fared in terms of compliance with industry best practices. The report will also contained Commitec (Pty) Ltd recommendations, together with implementation challenges and cost implications.

MAJOR PROJECTS UNDERTAKEN

ESWATINI POSTS & TELECOMMUNICATIONS CORPORATION

EPTC DATA CENTRE AUDIT

Audit Activities

To ensure the consistency and compatibility of the audit on a regular basis, Commitec has will establish an audit methodology to be presented to SPTC. Commitec would need to review the Data Centre audit requirements in order to conduct a thorough Need Analysis. Following this process, Commitec (Pty) Ltd would

- Create a framework, procedure and checklist for carrying out the audit. In cases of significant non-compliance, establish a mechanism to resolve audit observations.
- Prepare various templates required to be filled in by the various stakeholders involved in the audit process.
- Prepare audit plan including stated audit areas and controls.

SPTC Infrastructure Audit

- Commitec (Pty) Ltd shall undertake audit for physical and ICT infrastructure including verification of completeness of inventory an asset bill of material for SPTC Data Centre.
- Commitec (Pty) Ltd would define and audit the control points for inventory audit at SPTC Data Centre.
- Commitec (Pty) Ltd shall appraise SPTC about the health of the components through reports indicating the capacity utilisation and corresponding scalability requirements.
- Commitec (Pty) Ltd shall audit consumables within the Data Centre for which the payment by SPTC is on actual basis such as Electricity, Diesel, Bandwidth cost etc.
- Commitec (Pty) Ltd audit shall include recommendations to SPTC for capacity planning and upgrades as per the requirements of SPTC.
- Commitec (Pty) Ltd shall also cover obsolescence of the physical ICT infrastructure as per the policy defined by SPTC. The audit report shall provide details of the infrastructure components that are due for obsolescence and provide recommendations for upgrade/ refresh of infrastructure components and plan for disposal of obsolete infrastructure components.

Operations and Management Process and Control Audit

- Commitec (Pty) Ltd would audit the overall Physical and ICT infrastructure management processes as per ISO 20000 framework including Monitoring, Maintenance and Management of the Entire Data Centre, along with providing Helpdesk services and provide recommendations to SPTC.
- Commitec (Pty) Ltd would review and analyze the services provided through SPTC Data Centre and its delivery mechanisms to different line departments and post analysis of the same, would submit a report with recommendations to SPTC. Commitec (Pty) Ltd would review the Change Management, Communication Plan, Configuration Management, availability Management, Service Level Management etc. to ensure proper processes are in place for SPTC operation and maintenance.

Security and Compliance Audit

- Commitec (Pty) Ltd shall perform security audit of the SPTC Data Centre as per the Guidelines issued by the SPTC ICT department, review of information security policy, and provide recommendations to SPTC so as to ensure integrity, confidentiality and availability of information and resources.

MAJOR PROJECTS UNDERTAKEN

NETWORK MONITORING SOFTWARE AND TOOLS

Implementing the Corporate Network monitoring software and tools. Comprehensive Network Monitoring

- More than 170 sensor types covering all aspects of network monitoring
- Uptime/Downtime Monitoring
- Bandwidth Monitoring using SNMP, WMI, NetFlow, sFlow, jFlow, Packet Sniffing
- Application Monitoring
- Virtual Server Monitoring
- SLA monitoring
- QoS Monitoring (e.g. when using VoIP)
- Environmental Monitoring
- LAN, WAN, VPN, and Multiple Site Monitoring
- Extensive event logging
- IPv6 support
- Agent-less monitoring (optional agents (remote probes) allow monitoring for even deeper metrics).

ACCESS CONTROL SOLUTION AND TIME MANAGEMENT SYSTEM

Combination of biometric technology with access control and attendance tracking. The system use unique biological characteristics such as fingerprints and contactless access card, to verify the identity of individuals, ensuring secure access to physical locations or sensitive systems, and accurate timekeeping for attendance purposes.

Prominent Features
- Fully redundant off-line operation including anti-passback and
- Input/output control
- Up to 3000 anti-passback doors
- 10,000 tags per system
- 100,000 buffered transactions per controller
- The IXP400i door system controller is mounted in a metal enclosure with a 2amp PSU already connected
- Connect a wide choice of readers up to 150m from door controllers
- Built-in communication choices – USB, RS485 and TCP/IP
- Comprehensive web reports from anywhere in the world
- Unlock facilities available giving access to multi-site operation, biometric integration, and email notifications for any site transactions or alarms, up to 4 IP camera viewing and much more.

MAJOR PROJECTS UNDERTAKEN

ACCESS CONTROL SOLUTION AND TIME MANAGEMENT SYSTEM

Web-based Reporting
- view in any browser
- graphs
- reciprocal reporting between sites
- time management reports
- personal details and transaction history
- overall system status
- configuration reports
- replacement Controllers.

ESWATINI BANK ICT SECURITY AND GOVERNANCE

Cyber Security Consulting & Services

Provide services and solutions that deliver continuous security assurance for business, government, and critical infrastructure. Commitec (Pty) Ltd Cybersecurity Consulting and Advisory Services address the essential elements of cybersecurity, from strategy, governance, and enterprise risk management to controls architecture, implementation, and management. Tailored to swazi Bank's specific business environment and requirements, our services, our issue and industry expertise, and our actionable insights help Swazi Bank make informed cybersecurity risk management decisions and improve the bank's resilience in the face of ever-growing cyber threats.

ICT Infrastructure Security

Commitec (Pty) Lts consultancy services identify and secure any network weaknesses and make recommendations for hardware and software upgrades. They perform technical tests like AV or penetration testing and malware analysis, and evaluate all the points in the technology environment where information is at risk. We ssess software, computer systems, and networks for vulnerabilities, then design and implement the best security solutions for Swazi Bank's needs. We play the role of both the attacker and the victim and are asked to locate and potentially exploit vulnerabilities.

ICT Governance Policies

A Corporate Governance of ICT framework constitutes various artifacts, such as processes, structures, roles and responsibilities, lifecycles and policies. Swazibank Corporate Governance of ICT framework incorporates these fundamental components to ensure a comprehensive, practical framework that is customised to theenvironment, integrated into the key municipal objectives, managed across all stakeholders and monitored for compliance and performance.

MAJOR PROJECTS UNDERTAKEN

IP CCTV AND VIDEO SURVEILLANCE TECHNOLOGIES

Commitec (Pty) Ltd has installed more than forty (80) IP Video Surveillance system (or Network) cameras, connected to an IP network infrastructure, with recording, viewing and analytics performed on either an embedded Network Video Recorder (NVR) or on a PC with Video Management System software.

Main Features

- high resolution (1080 or more)
- 2.8-12mm vari-focal lens
- 3D DNR & DWDR & BLC
- IR range: up to 30m
- Audio and alarm optional
- True day / night
- Wide Angle Fixed Lens
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- ePTZ for Data Efficiency
- Temperature Alarm Trigger
- Tamper Detection for Unauthorized Changes
- P67-rated, Tamper- and Vandal-proof Housing
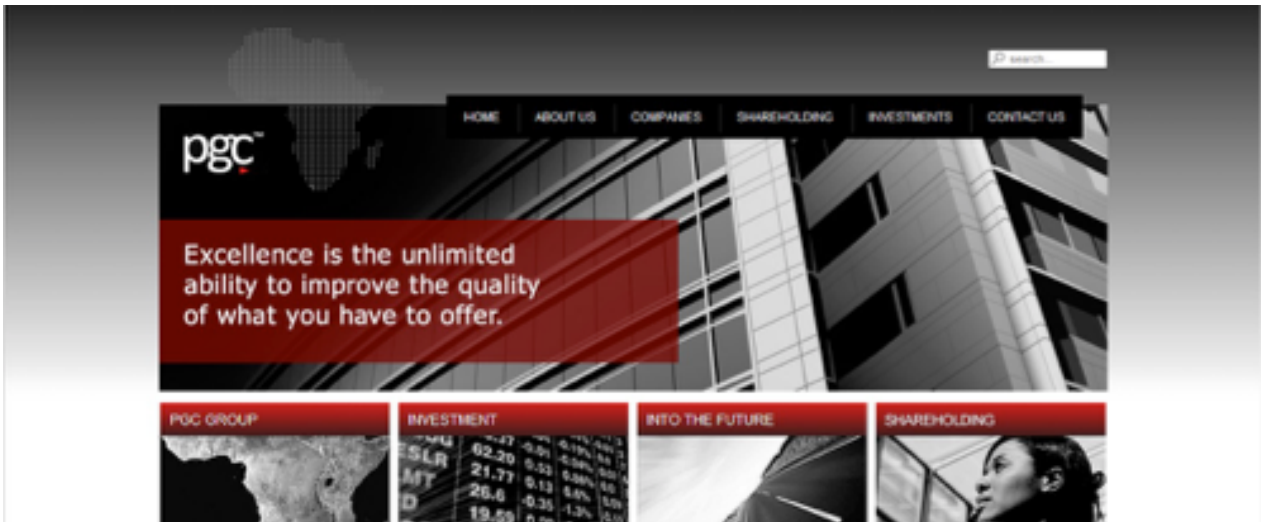- Built-in 802.3af Compliant class 1 PoE.

SEDCO WEBSITE AND E-SHOP

MAJOR PROJECTS UNDERTAKEN

COMPANY WEB PORTAL

POPCRU Group of companies needed a website to be used as a company marketing tool. The objective of the website is to inform the public about the company activities and also to be used as a tool to drive market campaigns.

Scope of Work
- Content architecture of finance related contents like content like financial statements, company policies, etc
- Integrate with content management system to manage and diverse amounts of finance related content
- More efficient workflows for content upload and approval
- Better user experience
- Offer better, more intuitive navigation.

Business Benefits

- Subject Matter experts have control over content
- Easy maintenance of content
- Scalability of content architecture
- Relevant and updated information to end users
- Reducing costs over time
- Dependency on IT reduced.

MAJOR PROJECTS UNDERTAKEN

ESWATINI WATER SERVICES CORPORATION SMART CALL CENTRE SYSTEM

Deliver a Call Centre software solution built around the understandings that Call Centre's need options and flexibility to meet their requirement. We also offer all the tools you need to succeed in your business, Call Centre Metrics (an advance reporting module) and Auto dialer to provide mass outbound calling.

Call Centre Suite features:
- Deployed on-premises with the flexibility of Cloud hosting
- Integration with any Digital PBX
- Integrated IVR/Auto Attendants – callers can be directed to appropriate queues by following simple voice prompts
- Automatic Call Distribution (ACD) – callers are routed to the right queues based on the agents skills and availability
- Call Queuing – callers never receive a busy signal and can wait in a queue until an agent becomes available
- Remote Agents – agents can login from remote geographically
- Monitoring and Reporting – both real-time monitoring and historical reporting provides Call Centre management
- Manager interface to monitor agents in real time
- Set different campaigns and Music On Hold for different agents
- Inbound & Outbound control
- Call recording
- IVR

MAJOR PROJECTS UNDERTAKEN

GAUTENG GAMBLING BOARD ENTERPRISE WIFI DEPLOYMENT

Duties: planning, designing, and implementing a high-performance, secure wireless network within a large organization or corporate setting. It ensures seamless connectivity, high availability, and security for a wide range of devices and users. A well-executed enterprise WiFi deployment supports critical business operations, communication, and productivity while maintaining security standards.

Processes undertaken to Deploy Enterprise WiFi Project:

1. **Initial Assessment and Site Survey**:
   - Conduct a thorough site survey to understand the environment, interference, and required coverage.
   - Identify high-density areas (conference rooms, lobbies) and plan for additional access points.
2. **Network Design**:
   - Plan SSIDs, VLANs, and IP addressing schemes to support different user groups and devices.
   - Define network security protocols and bandwidth requirements.
3. **Hardware Selection**:
   - Choose enterprise-grade WAPs, controllers, and switches based on your requirements (capacity, speed, security).
   - Consider Power over Ethernet (PoE) switches for simplified WAP installation.
4. **Installation**:
   - Deploy access points in optimal locations to ensure full coverage, avoiding dead zones.
   - Configure and connect access points to the central controller.
5. **Security Implementation**:
   - Set up WPA3 encryption, 802.1X authentication, firewalls, and IDS/IPS for secure operation.
   - Enable network segmentation for guest traffic and corporate data separation.
6. **Monitoring and Optimization**:
   - Continuously monitor the network for performance issues and adjust AP placement, channel management, and QoS policies as needed.

MAJOR PROJECTS UNDERTAKEN

SABC WEB CONSOLIDATION

The core objective is to consolidate all of SABC New media applications on to a common platform. These applications should be developed in such a way that they are capable of interfacing and integrating with the rest of SABC applications such as SAP, Multimedia asset Management to name a few. The system is also capable of deploying E-business, M-commerce and E-commerce applications. Commitec was accountable for the total capital budget of R39.9M for this project.

Commitec was responsible for writing of the business case to consolidate all of SABC New Media activities which include overseeing the New Media architecture, consolidation of all New Media infrastructure, products evaluation. Technical lead in the development of the SABC common gateway (online application that is a window to SABC online presence)

Scope

The platform will provide full geographical resilience and the key features of the platform are:

- A consolidated solution framework from a single vendor. This would simplify the administration of the new media environment and provide for an efficiently managed Service Level Agreement with the software vendor
- Provide a single SABC landing page (www.sabc.co.za) to enhance users in accessing SABC's sub brands online and provide a rich user experience
- Offer a scalable, reliable, highly available and predictable environment, thus enabling SABC to enter to commit into revenue generating contractual agreements with external stakeholders
- Ability to integration into current SABC environment - ESB / Media Hub
- Support SABC heterogeneous environment; simplifying integration with existing systems
- The proposed solution will have minimum impact on current users. Users need less time to learn how to use the environment.

MAJOR PROJECTS UNDERTAKEN

WORKERSLIFE PORTAL

Project Overview

To develop an Enterprise Portal Strategy that will be shared by all units/ sub entities of Workerslife and reward everyone with short- and long-term benefits. The implementation of a Workerslife Portal strategy must enable users to access Workerslife content though a common gateway.

Scope of Work

- Content Management System and relational database back-end system
- Establishing user profiles, and using push reminders for key events and Workerslife community programs
- Increased Workerslife browsing and page impression
- Preparation for the growth in the "near broadband" users base
- Content architecture of insurance/finance related contents i.e. insurance policies, forms, etc
- More efficient workflows for content upload and approval
- Improve user experience
- Offer better, more intuitive navigation.