



Swali Group

Company Profile

Championing Digital twin technology



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About Us

Swali redefines infrastructure as more than just physical environments; we envision them as information systems enhanced through data.

Specializing in digital twin infrastructure and sustainability, Swali is committed to creating memorable human experiences.

We excel in software simulations, and electrical/electronics design, leveraging top-tier tools like BIM and AI for exceptional 3D modelling capabilities.



A photograph of a workspace featuring a laptop and a monitor. The laptop screen displays a code editor with CSS code for a footer. The monitor shows a web browser with a similar footer. A desk lamp is visible in the upper right corner.

Company Vision

Sustainable Infrastructure

we envision an economically viable future powered primarily by sustainable energy.

Digital Twin Infrastructure

We view infrastructure as information systems that can be easily understood and improved with the use of digital tools to a safer, easier and more interesting life

Mission

Using human-centered design approach and software to provide a cost-effective route for the adoption and management of sustainable energy infrastructure.



Swali

Solutions

- Infrastructure Focus
- Design Services
- Software Expertise
- Future Focus





Infrastructure

- Data centres
- Art galleries
- Commercial buildings
- Academic buildings
- Industrial buildings
- Residential buildings
- Retail infrastructure
- Manufacturing plants
- Airports
- Electrical vehicle charging stations
- Alternative energy infrastructure
- Health infrastructure

Design Services

Electronics Services

- CCTV and Access Control
- Alarm and intercom
- Audio and visual systems
- Fire detection systems
- Fire suppression systems
- Data and fibre systems
- Building management systems
- Lighting management systems
- Energy management systems

Electrical Services

- High voltage
- Medium voltage
- Low voltage
- Lighting design
- Small power design
- Power distribution
- Generators
- Solar and battery storage
- Smart metering



Software Expertise

- Revit
- BIM 360
- Autodesk construction cloud
- Revizto
- AutoCAD
- PowerCAD
- Electrical OM
- ETAP
- Powerfactory
- Dialux
- Relux
- ElumTools
- Navisworks

Future Focus

- Energy and water benchmarking in buildings
- Peer-to-peer energy trading software
- Non-intrusive load detection software
- Dynamic Load-balancing software



AFFILIATIONS



Engineering Council of South Africa



South African Institute of Electrical Engineers



GREEN
BUILDING
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SOUTH AFRICA

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