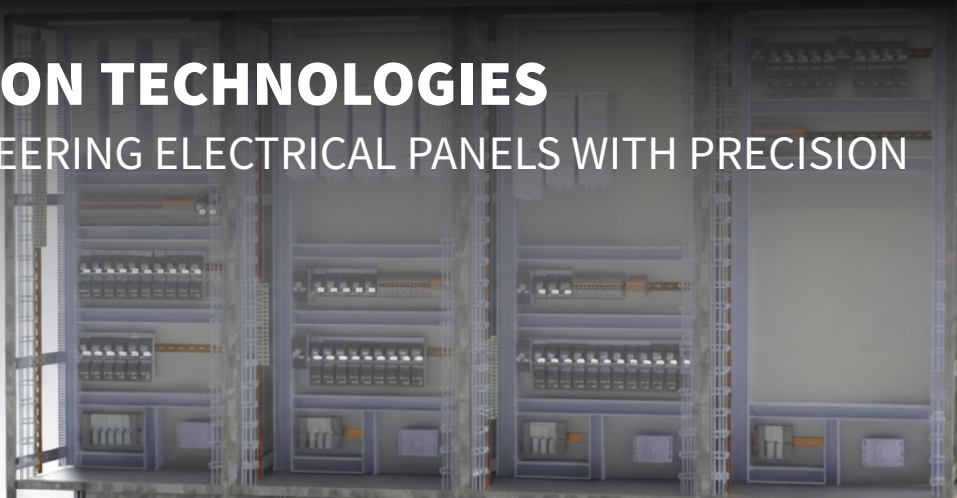




GIBSON TECHNOLOGIES

ENGINEERING ELECTRICAL PANELS WITH PRECISION



ABOUT

Founded in 2006 and based in Centurion, Gauteng, [Gibson Technologies](#) delivers turnkey engineered electrical solutions across the mining and agricultural industries in Southern Africa and beyond.

The company's services span design, panel building, substations, motor control centres, PLC and SCADA programming, and 24-hour maintenance support.

Gibson Technologies designs for zero failure - building panels that last, with proper documentation that allows customers to maintain and operate their systems independently.

CHALLENGE

Gibson's previous design tools couldn't deliver the 3D layout planning or drawing simplicity the team needed. Component clashes, spacing issues, and constant workshop interruptions slowed the operation down.

SOLUTION

Implementing [SOLIDWORKS Design](#) and [SOLIDWORKS Electrical Schematic](#).

RESULTS

- Eliminated component clashes and spacing issues through 3D panel planning.
- Removed workshop interruptions with complete, ready-to-use layout drawings.
- Automated 85% of electrical drawings using a custom Excel workflow.
- Gave customers clear visual guides for training, maintenance, and safety.

“ With other software, you spend most of your brain capacity just trying to read the electrical drawing, when your focus should be on wiring or finding faults. On SOLIDWORKS, everything you need is on one page. ”

Otto Koetje
Chief Operating Officer