GENTECH SA PROJECT CASE STUDY

500 kVA Scania Generator Installation - Wits University

Standby power solution for laboratory facilities at Wits University, Braamfontein, Johannesburg.

Client	Wits University	**Location**	Braamfontein, Johannesburg
Generator	500 kVA Scania	**Application**	Laboratory backup power
Engine	Scania DC16 093A (02-51)	**Installation**	Completed in 3 days



The 500 kVA generator arriving at Wits University in Braamfontein.

The Challenge

Wits University had two smaller generators that were experiencing problems and did not provide sufficient output for the laboratory facilities during load shedding. The existing generators needed to be removed to make way for a larger standby-power solution.

GenTech's Solution

Following discussions and consultation with Wits University, GenTech SA supplied a 500 kVA Scania diesel generator sized to support the required laboratory load during mains power interruptions.

PLANNING & INSTALLATION

A complex generator deployment requiring careful logistics

The project required planning around access, crane positioning, the removal of the existing generator sets and the placement of the new 500 kVA unit. The original project record notes that the lifting operation involved a 13-storey building and required careful consideration of daily university activities and site safety.



Crane setup and positioning of the 500 kVA Scania generator at the university.

The Result

GenTech SA completed the installation in three days. The new 500 kVA generator provided Wits University with a substantially larger standby-power solution for the laboratory facilities during load shedding. The original case-study record states that Wits University complimented GenTech SA on the completed work.

PROJECT SPECIFICATION

500 kVA Scania Standby Generator

Generator Rating	500 kVA
Engine	Scania DC16 093A (02-51)
Alternator	Werna 500 kVA
Controller	SmartGen 7320
Phase	Three phase
Voltage	400 V
Frequency	50 Hz
Operating System	AMF - Automatic Mains Failure
Enclosure	Sound-attenuated canopy
Fuel System	Diesel
Application	Standby / backup power supply for laboratory facilities



The generator in its installed position at Wits University.

Need a similar generator solution?
GenTech SA designs, builds, supplies and supports diesel generator solutions for commercial, industrial and specialised standby-power applications.

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