

Company Profile

of

Micropower Modulek (PTY) Ltd.



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Company registration number : 95/10942/07

Introduction

Micropower Modulek (Pty)Ltd is a reputable manufacturer and supplier of HVAC and Access Control systems. Micropower's staff and customers have installed over 8000 controllers in over 100 locations, at least 50 being premier locations. Micropower's controllers have been exported to the USA and Australia.

Location

Founded in 1985, Micropower currently designs and manufactures Building Management Systems and imports Control and Instrumentation products. These products are supplied to a broad range of industries. It also provides project management, installation and commissioning services. Micropower's head office is in Kya-Sands, Randburg near Johannesburg, with regional distributors in Port Elizabeth, East London, Cape Town and Kwa-Zulu Natal.

Empowerment Credentials

Micropower is under new management (from January 2005) with Sagarán Nair at the helm – and now joins a small group of control and instrumentation companies that are 100% black-owned. Sagarán has received his MSc(Elec Eng) from University of Witwatersrand and has had 21 years experience in Industrial Electronics, including being Deputy CEO of Anglo American Electronics Lab for several years before joining various business enterprises. His experience includes, electronic design work (analog, digital and microprocessor), IT services, project management, business development and management – and running his own company.

Corporate Responsibility

The management at Micropower is acutely aware of the company's responsibility as a corporate citizen and has chosen to become actively involved in Gauteng's Orphanages and safe houses.

Staff

Micropower's Head Office at Kya-Sands, Randburg houses 16 staff members. The company exceeds the employment equity target of 70% as laid out in the BEE Codes of Good Practice gazetted in February 2007. The staff are well-trained and we typically provide in-service training for 2 Engineering students every year. This has the dual function of assisting the students in obtaining their diploma as well as bringing in fresh ideas from the academic world into the company.

Many members of staff have been with the company for over 15 years. Key staff on the Building Management Systems division are the Production Manager, Ricky Govender; Senior Design Engineer, Derek Rowbotham; and Projects Manager, Vaughn Venter.

Vaughn Venter is the Manager – Projects. He has a N5 Diploma in Electronics. Vaughn has considerable experience in Access Control and Industrial Electronics. He has been with Micropower for 15 years.

Derek Rowbotham is the Senior Engineer – Building Management Systems. He has a diploma in Electronics. He has been with Micropower for 16 years and is au fait with most control products in the Building Management Systems industry.

Ricky Govender is the Production Manager. He has a diploma in Electronics Engineering from the Durban Institute of Technology, formerly Natal Technikon.

Products and Services

Micropower employs teams of qualified technicians to install and commission Building Management Systems (Security and HVAC systems). We are capable of designing the system that you require.

Micropower has designed and manufactured HVAC controllers for over 21 years. Interestingly, Micropower's controllers were originally designed to meet Spoormaker and Partner's stringent specification and still meet highest standard. The current range of controllers has evolved from controllers that have proven their reliability in the field. A number of our original installations, i.e. 15 to 20 years ago, are still in place and we still provide replacement and maintenance for them. Micropower has a broad range of stock products but we also have a reputation of tailoring our control systems to the client's requirement. Micropower supplies controllers for variable air volume units, fan coil units, and pressure dampers. The company stocks stand-alone units as well as networked units. The two protocols that are supported are Johnson's Metasys N2 and BACNET.

Micropower staff are trained and accredited to program and install the Tridium range of controllers and are familiar with the Sedona framework.

Micropower's capability extends to supplying and installing controls systems for HVAC plant and terminals.

Installations

Micropower has been designing and manufacturing controls for the air-conditioning industry for over 20 years. We have a range of controllers that have evolved over this period that is attractive, robust and reliable. Our controllers have operated reliably at a number of installations for over 15 years thereby making them extremely cost-effective over the life-cycle. Our controllers are installed at premier locations throughout South Africa, e.g. Standard Bank Head Office, Nedbank, and Compensation House.

Recent installations completed by Micropower include Nedbank 100 Main, Vodacom, Deutsche Bank, Outsurance and the JSE Building. Total value of these installations exceed R6 million.

Nedbank – 100 Main str, Johannesburg.

Replace FCU controllers and install BMS per floor, 12 storey building.
Value: R 2 200 000.00

Vodacom

Replace VAV controllers – various buildings in campus.
Value: R 600 000.00

Deutscha Bank.

Replace VAV controllers and install BMS per floor, 5 storey building.
Value: R 728 000.00

Outsurance.

Supply and install VAV controllers and BMS per floor, 5 storey building.
Value: R 2 000 000.00

JSE (Johannesburg Stock Exchange)

Replace VAV controllers and install BMS per floor, 9 storey building.
Value: R 1 700 000.00

Please see list below for a complete list of reference sites.

BUILDING	DATE	COMMENT
Momentum Life Midrand	86/87	All sensors and controllers for FCU's and FAT's
Wits University Eng. Block	87	All sensors and controllers for FCU's and FAT's
Armscor Pretoria	88	All sensors and controllers for FCU's and FAT's
Braakfontein Vervoerdburg	88	All sensors and controllers for FCU's and FAT's
United Towers (UTS)	89 & 91	All sensors and controllers for FCU's and FAT's
Avetvlei Comms	92	Upgrade of complete existing system
First National Bank City Block A to E	92 to 96	All sensors and controllers for all buildings
Reserve Bank Newtown	93 & 95	Upgrade of old system
Standard Bank Number 3 Simmonds St.	93	All sensors and controllers for FCU's and FAT's
Gencor Hollard Street	94-95	All sensors and controllers for FCU's and FAT's
Frans Indongo (Windhoek)	95-96	All sensors and controllers for FCU's and FAT's
Rietvlei Complex Pretoria	96	All sensors and controllers for FCU's and FAT's
Wacker Developments	96	Special Ceiling mounted FCU's 3 speed
Nedcor 100 Main Street	96	Upgrade of old system
Multichoice Randburg	96	All sensors and controllers for FCU's and FAT's
TATE Access - USA	93-96	Design Manufacture and export of customised sensors and controllers
Tasman - Australia	97	Sensors and controllers exported for prestige control room in N.S.W
Investec Sandton	97-98	Special controllers using Johnson BMS
M-Net Randburg	97-98	All sensors and controllers for FCU's and FAT's
Mercedes Benz New Building	97-98	All sensors and controllers for FCU's and FAT's
No 1 military Hospital	97-98	All sensors and controllers for FCU's and FAT's
Commerce Bank	98	All sensors and controllers for FCU's and FAT's
Standard Bank 6 Simmonds Street	98	New Micropower BMS controller for FCU's and FAT's Alerton front end
Ceasers Palace Casino	98-99	New Micropower BMS controller for FCU's and FAT's Alerton front end FCU's up to 20 Kw
Genbel Building	98	New Micropower BMS controller for FCU's and FAT's Alerton front end FCU's up to 20 Kw
College Park Bloemfontein	98-99	All sensors and controllers for FCU's and FAT's
Reserve Bank Pretoria Upgrade	98-99	New Micropower BMS controller for FCU's and FAT's Alerton front end FCU's up to 20 Kw
Standard Bank 6 Simmonds Street	99	Remaining floors BMS FCU's and FAT's Alerton front end
E-TV - Lang Kloof	99	BMS Diffusers and Chiller control
Absa Bank Complex Johannesburg Civic Center	99	BMS controllers for FCU's and Diffusers. Alerton front end
Daimler Benz	99	All sensors and controllers for FCU's and FAT's
IDC Building	01	All sensors and controllers for FCU's and FAT's
Arabella Hotel	01	All sensors and controllers for FCU's and FAT's
African Bank	01	All sensors and controllers for FCU's and FAT's

Ernst & Young	01	All sensors and controllers for FCU's and FAT's
De Beers Head Office	02	All sensors and controllers for FCU's and FAT's
Hewlett-Packard	02	All sensors and controllers for FCU's and FAT's
Dutch Embassy Maputo	03	All sensors and controllers for FCU's and FAT's
Dutch Embassy Blue Crane	03	All sensors and controllers for FCU's and FAT's
Standard Bank Call Center	03	All sensors and controllers for FCU's and FAT's
Blue Crane Upgrade	04	All sensors and controllers for FCU's and FAT's
Standard Bank 25 Sauer Street	04	All sensors and controllers for FCU's and FAT's
Compensation House Pretoria	05	All sensors and controllers for FCU's and FAT's
IBM Stonemill	06	All sensors and controllers for FCU's and FAT's
Turbine Square	06	All sensors and controllers for FCU's and FAT's
DAS – Telkom	07	All sensors and controllers for FCU's and FAT's
Standard Bank training centre	07	All sensors and controllers for FCU's and FAT's
Department of Education	08	All sensors and controllers for VAV's
Mbombela Stadium	09	All sensors and controllers for FCU's
Standard Bank Revamp	09	All sensors and controllers for FCU's and FAT's
Lesotho Hospital	10	All sensors and controllers for VAV's
SARS – Walkers Creek	10	All sensors and controllers for VAV's
Nedbank – 100 Main	10	All sensors and controllers for FCU's and FAT's
Sandton Eye	11	All sensors and controllers for VAV's
Deutsche Bank Sandton	11	All sensors and controllers for VAV's
Nedbank – 100 Main	11	All sensors and controllers for FCU's and FAT's
Outsurance	12 - 13	All sensors and controllers for VAV's
Nedbank - 100 Main	12 - 13	All sensors and controllers for FCU's and FAT's
Johannesburg Stock Exchange	13- Current	All sensors and controllers for VAV's

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If there are any questions or comments, please feel free to
contact us.**