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Rates and Data

2
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1
8

GENERAL INFORMATION

What is Energize?

Energize – the independent power and energy journal of Southern Africa – is a business-to-business journal published by **EE Publishers**, in print and on-line, eleven times a year, serving the electric power and energy sectors of Southern Africa. **Energize** provides a voice for the IEEE SA Section, Cigré, the South African National Energy Association (SANEA), the South African Electrotechnical Export Council (SAEEC), the Southern African Asset Management Association (SAAMA), the South African Photovoltaic Industry Association (SAPVIA), The South African Association for Energy Efficiency (SAEE), and the Sustainable Energy Society of Southern Africa (SESSA).

Target audience

The target audience of **Energize** includes:

- The electrical power and energy sectors of Southern Africa in their widest context
- Engineering managers, power electrical engineers and electrical technologists
- Electricity supply utilities, municipal electricity distributors, and regional electricity distributors
- Large industrial electrical energy end-users
- Consultants, project managers and system integrators
- Suppliers of products, systems and services to these important sectors

Fields of interest

Energize covers all aspects of electric power and energy including:

- Renewable energy
- Transmission and distribution
- Generation
- Application

Energize online

Energize is available online at www.energize.co.za Readers are also invited to subscribe to the monthly email newsletter by visiting our website.

Mission statement

Energize keeps readers abreast of technologies, developments, applications and news in the fields of electrical power and energy, by the publication of original, relevant, high quality articles, by expert authors, and provides a forum of communication for its readers, the wider industry and the public. **Energize's** mission is to be the leading journal in the electrical power and energy sectors of Southern Africa.

Statement of editorial policy

Energize publishes market-focused, relevant and topical technical and semi-technical articles by leading experts, in an easy-to-read format. **Energize** also reports news, events and details of relevance to the target audience, including industry, institute, company, project, product, technology, people and event news, views, comment and opinion. **Energize** aims to publish a sound mix of technical, semi-technical and industry news articles, as well as company and product news articles which are more commercial in nature.

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Energize is published ten times per annum and has an audited average monthly circulation of 4070 for the period ending June 2017.

As at October 2017, 8049 users have downloaded the **Energize** Android and Apple mobile App to receive the mobile electronic edition of **Energize** monthly.

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Rates and Data

2
0
1
8

PRICE PER INSERTION

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- If an A4 advert is designed to bleed off the page, a 5 mm bleed must be added all round. Keep important information (text, logo's, etc.) in type area.
- For files **bigger than 8 MB**, please contact us.

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1/2 A4 hor size:	130 mm high x 180 mm wide
1/2 A4 Island size:	180 mm high x 120 mm wide
1/3 page vert size:	260 mm high x 60 mm wide
1/3 page hor size:	80 mm high x 180 mm wide
1/3 page Island size:	140 mm high x 110 mm wide
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Bellybands: Note that magazines may have bellybands surrounding the front and back covers. Prices on request.

Note: Special positions are irrevocable bookings.

Bookings and deadlines

Space booking deadline: 15th of the month prior to publication.

Material deadline: 20th of the month prior to publication.

Note: No booking, order or copy instruction received by **EE Publishers** for the placing of advertising material in the journals may be transferred to or from any other third party, without the prior written consent of **EE Publishers**.

Cancellations

No cancellations will be accepted after the space-booking deadline, or without the prior written consent and confirmation from **EE Publishers**.

Terms and conditions of sale

All bookings subject to **EE Publishers** terms of sales at www.ee.co.za/about/terms-of-sale

For online advertising contact 011 543-7000

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Features

2
0
1
8

In every issue of **Energize** there are four main sections, covering all aspects of electric power and energy:

- **Renewable energy**
- **Transmission and Distribution**
- **Generation**
- **Application**

January

Renewable energy: Wind turbine technology developments

Design and manufacture; wind farms and wind-power systems; associated regulation, protection, control and automation systems; measurement, logging and prediction systems, recovery and recycling.

Transmission and distribution: Smart grid developments

Power system and substation monitoring, control and automation systems; DCS and SCADA systems; data communication and telecontrol systems; T&D system protection schemes, relays and testing; customer metering and remote meter reading systems and technologies; system modelling and analysis.

Generation: Nuclear power generation plants

Construction, management, operation and maintenance; new nuclear power developments; small modular nuclear reactors; nuclear waste management, transport, recycling and disposal; pollution control and environmental protection; associated plant and equipment; hybrid power.

Application: Water and wastewater applications

Water desalination systems; operation, condition monitoring, maintenance and repair of pumps, motors and associated drives; energy recovery in water reticulation systems; solar powered water pumping; irrigation system pump motors and controls.

February

Renewable energy: Bio-fuel and waste power generation systems

Biomass, biogas from landfill, municipal and agricultural waste; ethanol, cellulosic ethanol, maize and sugar to liquid fuel plants; co-firing and multi-fuel boilers and gas engines; generation of heat and power from forestry, agricultural, sugar cane, pulp, and paper waste.

Transmission and distribution: AC overhead lines

Towers, conductors and line hardware, ABC systems and components; construction, testing and maintenance of lines; testing, maintenance, protection, and safety equipment and systems; autoreclosers, line sectionalisers, disconnect switches, fault passage indicators; optical ground wire.

Generation: Coal-fired power plants

Boilers, supercritical and hypercritical boiler systems, steam turbines, generators, condensers, cooling towers and heat exchangers; mechanically driven equipment and associated drives; coal and ash material handling systems.

Application: Chemical and petrochemical industry applications

Rectifiers, controlled rectifiers, rectifier transformers and electrolytic processes; intrinsically safe and explosion-proof electrical and instrumentation systems.

March

Renewable energy: Solar thermal power generation systems

Planning, design, construction, operation and maintenance of solar thermal power

generation systems; tower and trough concentrating solar power (CSP) systems; combined thermal and CSP power stations; heat storage systems; geothermal power generation systems; ground source heating and cooling systems; solar heating and cooling systems; Fresnel solar thermal systems.

Transmission and Distribution: Substations

Design, installation, maintenance and operation of outdoor and indoor substations; busbar systems and insulators; system protection schemes; CTs and VTs; substation automation, mobile substations; protection relays, substation switchgear and apparatus; copper theft prevention; mini substations.

Generation: Energy storage systems

Storage system applications, electrochemical storage systems, reversible fuel cells, super-capacitors, kinetic and potential energy storage systems, advanced battery technologies; pumped water storage (PWS) systems; gravity storage.

Application: Transportation applications

Traction motor design and repair, power converters for electric traction; traction transformers, electric and hybrid vehicles, electric mine locomotives, batteries and chargers; forklifts and container handlers.

April

Renewable energy: Ground-based photovoltaic (PV) systems

Mounting systems, trackers, inverters, cabling, earthing and lightning protection; panel cleaning systems, dirt monitors; centralised and distributed inverters; advanced inverter design and operation.

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Features

2
0
1
8

Transmission and Distribution: Power transformers design, manufacture, installation and operation

Power transformer components, materials and accessories; windings, insulation materials, insulators and bushings; tap changers and associated equipment; power transformer operation, condition monitoring and testing techniques and equipment; power transformer maintenance and repair techniques, equipment and components; transformer oil testing, analysis and treatment; theft of transformer oil.

Generation: Co-generation power plants

Small steam turbines and alternator sets; industrial waste heat and waste product-fired boilers; fuel sources and fuel handling; waste gas systems – furnace off-gas and industrial biogas; heat recovery and steam generation systems.

Application: Hospitals, clinics and healthcare facilities

Energy requirements for healthcare facilities, electrical, hot water, sterile airconditioning, high heat (autoclaves, sterilisation equipment); medical electrical equipment: principles, installation, operation and maintenance; safety of installations in hospitals, emergency power supplies for healthcare facilities; modern energy services for healthcare facilities in resource-constrained settings, electrification options for rural health centres, energy savings and energy efficiency in hospitals and healthcare facilities, etc.

May

Renewable energy: Utility scale photovoltaic (PV) power systems

PV panel technology, developments and manufacture; trackers, inverters, balance of plant equipment, monitoring and control systems; mounting systems, cables and connector boxes.

Transmission and Distribution: System modelling and analysis

Energy demand, load profile and

consumption studies; industrial, commercial and domestic service connections, consumption measurement and metering; net-metering and feed-in-tariffs.

Generation: Hydro-power plants

Turbines, generators, pumped water storage (PWS) systems; pumps, run-of-river hydropower systems; hydropower plant control, monitoring, management and maintenance; ocean (wave) power.

Application: Commercial, industrial and residential building applications

Management of energy in buildings; energy efficient building services; green buildings and building management systems; energy efficient lighting; load and process cycle shifting; energy auditing and tariff impact studies; power quality management; demand side energy management.

June

Renewable energy: Concentrating solar power (CSP) systems

Tower, parabolic, trough and Fresnell mirror CSP systems; combined thermal and CSP power stations; heat storage systems.

Transmission and Distribution: Switchgear equipment and operator protection

Medium and high voltage switchgear; air insulated, gas insulated and solid insulated switchgear, metal clad switchgear, SF6 insulated switchgear, vacuum circuit breakers, contactors, isolators, fused isolators, fuse gear; switchgear testing and maintenance techniques and systems; protective gear.

Generation: Fixed and mobile standby and temporary power generation systems

Diesel and gas engine powered generators; containerised and mobile generator sets; power farms; monitoring, protection, automation, control and synchronisation; power rental systems.

Application: High reliability power supply for critical operations

UPS systems, standby power supplies (SPS), rectifiers, inverters and batteries; hybrid UPS/SPS systems; remote monitoring and control of UPS/SPS systems; lightning and surge protection; power quality and quality-of-supply auditing; power quality monitoring, reporting and management systems.

July

Renewable energy: Photovoltaic (PV) technology developments

PV panel technology developments and manufacture; multilayer panels, concentrated PV, thin-film, crystalline PV; recovery and recycling of PV panels.

Transmission and Distribution: Distribution transformer design and application

Oil insulated and dry-type distribution transformers; pole mount and pad mount transformers; tap changers and associated equipment; distribution transformer maintenance testing and repair.

Generation: Gas fuelled power generation systems

Open-cycle gas (OCG) and combined-cycle gas (CCG) systems; combined heat and power (CHP) plants; reciprocating gas engine plant; tri-generation systems.

Application: Industrial power quality management systems

Load profile and quality of supply metering, active and reactive power demand, voltage control systems; power quality management systems; dip and sag ride through systems; industrial power factor correction, harmonic filters.

August

Renewable energy: Off-grid renewable energy power systems

Planning, design, installation, operation and maintenance of systems for electrification of rural villages, schools and clinics; systems

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Features

2
0
1
8

for rural off-grid electrification; off-grid power supply systems for telecoms, mines etc.; wind, solar, mini-hydro, biomass, fuel cell, etc.; energy storage systems.

Transmission and Distribution: Power cable design and application

Single-core and multi-core power cables for transmission and distribution; power cable accessories, terminations, and connections; testing and fault location techniques and equipment; jointing and terminating systems; cable theft prevention schemes and equipment.

Generation: Clean coal power generation technologies

Emission control systems; carbon capture and storage systems; underground coal gasification; pre- and post-combustion systems; flue gas scrubbing systems; electrostatic precipitators; particulate filters.

Application: Manufacturing and processing industry applications

Fixed and variable speed drives; motor control centres (MCCs) and motor control applications; processing, control and energy management systems; energy efficiency; demand-side energy management; factory environmental control systems, energy efficient cooling and cold storage.

September

Renewable energy: Grid connected micro-grid and embedded renewable energy systems

Micro-grid controllers; planning and design; grid connection, generation and dispatch management; network energy storage and dispatch; legislation and generation licencing.

Transmission and Distribution: Quality of supply and power quality measurement systems and services

Transmission line shunt and series capacitor banks, reactors and associated protection relays and schemes; static var compensators (SVCs) and other FACTS devices and equipment; large harmonic

filters and associated system studies; step voltage regulators.

Generation: Generating plant maintenance and repair

Maintenance, repair and refurbishment of turbines, engines, alternators, furnaces, boilers and ancillary equipment; testing, condition monitoring and asset management.

Application: Energy management and energy saving technologies

Demand-side management; load shifting and load control; industrial process control and expert control systems; energy efficiency, rectifiers, controlled rectifiers, rectifier transformers and electrolytic processes; intrinsically safe and explosion-proof electrical and instrumentation systems.

October

Renewable energy: Rooftop PV systems

Own generation PV rooftop systems; inverters, protection equipment, grid connections, net-metering, battery storage systems, standards and legislation; monitoring and control systems.

Transmission and Distribution: MV distribution systems

Ring main systems; MV distribution and distribution boards; MV circuit breakers and protection; arc flash protection equipment and systems; earthing and lightning protection; protection schemes, relays and testing; MV reticulation for commercial buildings, office parks, sports stadiums and campuses, housing estates and complexes; pricing and metering systems; electricity pricing, wholesale and retail tariffs; vending and revenue collection systems.

Generation: Power plant planning, operation, maintenance and protection

Power plant project planning; power plant control and instrumentation systems; PLC, DCS and SCADA systems; field instrumentation; generator protection relays and systems; power plant maintenance, testing, condition monitoring and asset management; load-following control systems.

Application: Mining, metals and minerals applications

Mine winder, mill, fan, pump, compressor and chiller drives; energy recovery systems; underground hazardous gas and environmental monitoring; containerised and mobile switchgear units; arc and induction furnaces; associated large single and multi-motor variable speed drives; conveyor and stacker reclaimer systems; silo monitoring and management systems; voltage control systems for dip and sag ride-through; energy efficiency.

November/December

Renewable energy: Hybrid power generation systems

Planning, design, construction, operation and maintenance of hybrid systems; combined wind, hydro, pumped storage, solar PV, concentrating solar, energy storage, diesel, gas or biomass power and heat generation systems.

Transmission and Distribution: High voltage DC transmission

HVDC power transmission, lines, towers and line hardware; HVDC light cable systems and hardware, HVDC converter equipment and systems; HVDC substations, switchgear and apparatus; safety equipment and practices.

Generation: Generator and alternator technology

Design and manufacture; alternator cooling systems; two-pole and multipole systems; stator and rotor rewinds; upgrade and modernisation; equipment life extension, failure mechanisms and protection systems.

Application: Large electrical motors and drives

Energy efficient motor design; MV variable speed drives; design, operation, protection, maintenance and repair of synchronous, squirrel cage and wound rotor induction motors and drives; motor starters and soft start systems for large motors; motor protection systems; motor rewinds.