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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### Price Per Insertion

(Note: Print adverts are also published in the online and mobile editions at no extra cost)

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**Specifications for supplied artwork**
- Advertising material can be supplied in JPG, TIF or PDF format, high resolution (300 dpi), with fonts embedded, and in CMYK.
- If an A4 advert is designed to bleed off the page, a 5 mm bleed must be added all round.
- For files bigger than 5 MB, please contact us.

**Advertising sizes**
- **Full page:** 260 mm high x 180 mm wide
- **Trim size:** 297 mm high x 210 mm wide
- **Bleed:** 307 mm high x 220 mm wide
- **1/2 A4 vert size:** 260 mm high x 90 mm wide
- **1/2 A4 hor size:** 130 mm high x 180 mm wide
- **A5 vert 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
- **1/4 page size:** 120 mm high x 90 mm wide
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**Individual colour rates**
- Process colour (cyan, magenta, yellow): R1 495 ex VAT
- Special colour (per colour): Please enquire

**Prices for loose inserts (Only local labels)**
- 1 – 2 sides 80 – 115 gsm A4 paper: R13 642 ex VAT
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- Other paperweights and sizes: On request

**Special position advertising rates**
- Front covers: Prices on request
- Other special positions IFC, OBC, IBC: Standard rate plus 10% premium.
- 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.

**Agency commission**
- Advertising agency commission is applicable at the discretion of EE Publishers only to bona fide advertising agencies authorised to act on behalf of their principals, who have a credit account with EE Publishers, and who perform the normal advertising agency services expected of the agent by 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 sale at www.ee.co.za/about/terms-of-sale

For online advertising contact 011 543-7000
In every issue of Energize there are four main sections, covering all aspects of electric power and energy:

- Generation
- Transmission & Distribution
- Sustainable energy
- Application

January/February

**Generation: Conventional coal-fired power generation**
Sub-critical, super-critical and hyper-critical thermal power plant and boilers; steam turbines, generators, condensers, cooling towers and dry cooling; thermal power plant efficiency improvement and lifetime extensions; emission standards and control technologies; particulate filters and flue gas scrubbing systems; carbon capture and storage (CCS); hybrid (integrated CSP) thermal power stations.

**Transmission & Distribution: AC overhead lines**
Towers, poles, conductors and line hardware; ABC systems and components; line construction, testing and maintenance; associated construction and safety equipment and systems; line sectionalisers, auto-reclosers, disconnect switches and fault passage indicators; optical ground wire.

**Sustainable energy: Bio-fuel and waste power generation**
Biomass and biogas from landfill and agricultural waste; ethanol, and maize, cellulose and sugar-to-liquid fuel plants; co-firing and multi-fuel boilers and gas engines; fluidised bed combustion; generation of heat and power from reject coal, forestry, agricultural, sugar cane, pulp and paper waste.

**Application: Chemical and petrochemical**
Rectifiers, controlled rectifiers, rectifier transformers and electrolytic processes; intrinsically safe and explosion-proof electrical and instrumentation systems.

March

**Generation: Energy storage**
Energy storage systems, technologies and applications; electro-chemical storage systems and reversible fuel cells; super-capacitors; kinetic and potential energy storage systems; pumped water storage (PWS); advanced battery technologies.

**Transmission & Distribution: Substations**
Design, installation, testing, maintenance, operation and regulation of indoor and outdoor substations; substation switchgear and apparatus; mobile and mini substations; busbar systems and insulators; CTs and VTs; arc flash, earthing and lightning protection; protection relays and schemes; substation automation; substation security and copper theft prevention.

April

**Generation: Co-generation power plants**
Small steam turbines and alternator sets; industrial waste-heat and waste-product fired boilers; fuel sources and fuel handling; furnace off-gas and industrial waste-gas energy recovery systems; heat recovery and steam generation systems.

**Transmission & Distribution: Power transformers**
Design, manufacture, testing, installation, operation, maintenance and repair; transformer components, materials and accessories; core, winding, insulation, bushings and tap-changers; transformer condition monitoring, oil testing, analysis and treatment; fire protection and security.

**Sustainable energy: Sustainable energy projects and financing**
Innovative renewable energy projects; government support programmes (IDC, etc.); utility support programmes (DSM, etc.); carbon credits and clean development mechanism funding; private capital funding.

**Application: Metal and minerals beneficiation**
AC and DC arc furnaces and induction furnaces; mills and foundries; high frequency furnaces; large single and multi-motor variable speed drives; voltage support and control systems for dip and sag ride-through; energy efficiency.

May

**Generation: Hydropower plants**
Turbines, pumps and generators; pumped water storage (PWS) systems; run-of-river hydropower systems; mini and micro hydropower systems; hydropower plant control, monitoring, management and maintenance.

**Sustainable energy: Wind power**
Design, manufacture, installation, operation and maintenance of on-shore and off-shore wind turbines, wind farms and wind-power systems; associated protection, control and automation systems; wind measurement, logging and prediction systems.

**Application: Traction and transportation**
Traction substations and apparatus; traction motor design and repair; power converters and transformers for electric traction; electric and hybrid vehicles; mine electric locomotives, batteries and chargers; forklifts and container handlers.
Transmission & Distribution: Planning, pricing and metering
Wholesale and retail tariffs including time-of-use tariffs; industrial, commercial and domestic service connections; credit meters and credit management; prepaid meters, vending and revenue collection systems; energy, demand, load profile and consumption studies; system planning, modelling and analysis.

Sustainable energy: Utility scale photovoltaic (PV) power
PV projects; PV panels, developments and manufacture; inverters; solar tracking; monitoring and control systems; balance of plant equipment – mounting systems, cables, connectors, accessories and interconnection.

Application: Commercial, industrial and residential buildings
Management of energy in buildings; energy efficient building services; green buildings and building management systems; energy auditing and tariff impact studies; power quality management; demand-side energy management.

June

Generation: Standby and temporary power
Fixed and mobile diesel and gas engine-powered generators; containerised and mobile generator sets; power farms; monitoring, protection, automation, control and synchronisation; power rental systems.

Transmission & Distribution: Switchgear and apparatus
Medium and high voltage switchgear; air, vacuum, gas and solid insulated switchgear; metal-clad switchgear; oil, air, SF6 and vacuum circuit breakers, contactors, isolators, fused isolators and fuse-gear; condition monitoring, testing and maintenance of switchgear.

Sustainable energy: Grid connections
Grid codes for wind and solar plants; system studies and planning; planning, modelling and analysis software; active and reactive power studies and systems; system fault ride-through protection; advanced inverter design and operation; substations, transformers, cables, lines and switchgear.

Application: Mining and materials handling
Mine winder, mill, fan, pump, compressor and chiller drives; energy recovery systems; conveyors and stacker reclaimers; stockpile and silo monitoring and management; underground hazardous gas and environmental monitoring; containerised and mobile mining switchgear.

July

Generation: Gas power generation
Open-cycle gas and combined-cycle gas systems; combined heat and power plants; reciprocating gas-engines; tri-generation systems; gas supply and liquification systems; gas pipelines and compressor stations; on-site and port storage; gas transportation.

Transmission & Distribution: Distribution transformers
Design and application of oil insulated and dry-type distribution transformers; pole-mount and pad-mount transformers; tap-changers and associated equipment; surge arresters for distribution transformers; distribution transformer maintenance testing and repair.

Sustainable energy: Sustainable energy policy and implementation
White paper on renewable energy; integrated resource planning (IRP); NERSA and Eskom regulations, grid codes, guidelines and grid access; power purchase agreements (PPAs); innovative renewable energy projects.

Application: Industrial power quality
Quality of supply measuring, reporting and analysis; load profile studies; active and reactive power metering and analysis; over and under-voltage, surge, flicker, dip, sag and harmonic distortion mitigation systems; industrial power factor correction; active and passive harmonic filters.

August

Generation: Unconventional coal-fired power generation
Legal and regulatory issues; underground and other coal gasification systems; flue gas treatment and scrubbing systems and equipment; integrated gasification combined cycle plant (IGCC); pre- and post-combustion treatment; discard coal power generation: fluidised-bed combustion systems; boilers, gasifiers and heat exchangers.

Transmission & Distribution: Power cables
Design, rating, installation and testing of single and multi-core copper and aluminium power cables; power cable accessories, termination and jointing systems; cabling laying systems and racks; testing and fault location techniques and equipment; cable theft prevention systems.

Sustainable energy: Off-grid and mini-grid power
Planning, design, installation, operation and maintenance of systems for electrification of rural villages, schools, clinics and homes; systems for deep-rural off-grid electrification; remote off-grid power supply systems for telecoms and other applications.

Application: Manufacturing and processing
Fixed and variable speed drives, MCCs and motor control; energy and demand management; energy efficiency – heating, cooling, air conditioning, cold storage and lighting; load and process cycle shifting; factory pollution and environmental control systems; process control and automation.

September

Generation: Power plant maintenance
Condition monitoring, inspection, maintenance, upgrading, repair,
refurbishment and life extension of power plants – including coal mills, boilers, turbines, engines, generators, heat exchangers, pumps, fans, valves and ancillary equipment.

**Transmission & Distribution: SVCs, FACTS devices and power quality**

Static VAR compensators (SVCs) and other FACTS devices for power quality; shunt and series capacitor banks, reactors, power electronics and associated equipment; large harmonic filters and system studies; voltage regulators, protection relays and schemes.

**Sustainable energy: Small / medium scale embedded generation**

Municipal / distribution utility own-generation plant; coal, PV, wind and waste energy generation systems; grid connection and dispatch management; integration with demand management programs; energy storage and dispatch; generation legislation, regulations and licensing.

**Application: Energy intensive and heavy industry**

MV variable speed drives; load shifting and load control; energy efficiency, energy saving and demand-side energy management technologies; industrial process control and automation; waste heat recovery systems; industrial co-generation from waste gas and waste material.

**November**

**Generation: Independent power producers (IPPs)**

Power generation for in-house use, for wheeling and for sale; legislation, regulation and standards; power purchase agreements (PPAs); grid access, mains connection and synchronisation; operation, control, monitoring and protection of distributed power plant.

**Transmission & Distribution: HV AC and DC power transmission**

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

**Sustainable energy: Hybrid power generation**

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

**Application: Large electrical rotating machines**

Design, manufacture, installation, operation, protection, maintenance and repair of synchronous, squirrel cage and wound-rotor induction motors, generators and drives; motor starters and soft-start systems for large motors.

**December**

**Generation: Nuclear power**

Construction, management, operation, maintenance, upgrading and life extension of nuclear power plants; small modular nuclear reactors and other new nuclear technologies; environmental protection and nuclear waste management, transport, recycling and disposal.

**Transmission & Distribution: Smart grid**

New and emerging smart grid applications and technologies; grid monitoring, control and automation; data communication, telecontrol and protection and metering for the smart grid; remote customer metering and automatic meter reading (AMR) systems and technologies; time-of-use metering; system modeling and analysis.

**Sustainable energy: Solar thermal and geothermal power**

Planning, design, construction, operation and maintenance of solar thermal and geothermal power plants; tower and trough concentrating solar power (CSP); hybrid power plant and energy storage systems; solar and ground-source heating and cooling systems.

**Application: Water and waste water**

Water desalination systems; large water supply and pumping systems; MV motors, switchgear and controls in large pump stations; mine dewatering and slurry pumping systems; energy recovery in water reticulation and deep-level mining; solar powered water pumping.