

CHEMICAL TECHNOLOGY

Ratecard 2012



CHEMICAL TECHNOLOGY

Features 2012

JANUARY

- Water treatment
- Solids handling
- Pumps, valves & actuators
- Control & instrumentation engineering

FEBRUARY

- Waste management
- Chemical plant design & construction
- Emerging technologies
- Separation/filtration technologies

MARCH

- Corrosion & coatings engineering
- Control, instrumentation & automation
- Food & beverages
- Environmental engineering & management

APRIL

- Petrochemicals
- Pumps, valves & actuators
- Plant maintenance & risk analysis
- Materials of construction

MAY

- Water treatment
- Corrosion & coatings engineering
- Solids handling
- Chemical plant design & construction

JUNE

- Waste management
- Emerging technologies
- Separation/filtration technologies
- Mining & minerals processing

JULY

- Water treatment
- Control, instrumentation & automation
- Environmental engineering & management
- Plant maintenance & risk analysis

AUGUST

- Corrosion & coatings engineering
- Petrochemicals
- Food & beverages
- Pumps, valves & actuators

SEPTEMBER

- Water treatment
- Materials of construction
- Separation/filtration technologies
- Mining & minerals processing

OCTOBER

- Waste management
- Chemical plant design & construction
- Solids handling
- Corrosion & coatings engineering

NOVEMBER

- Petrochemicals
- Control & instrumentation engineering
- Materials of construction
- Environmental engineering & management

DECEMBER

- Waste management
- Pumps, valves & actuators
- Separation/filtration technologies
- Emerging technologies

REGULAR FEATURES:

FORUM - SAACE (SA Association of Consulting Engineers) News
SAICHe (South African Institution of Chemical Engineers) News

Other special features on various industries and on projects of current interest, may be arranged with the editor.

Feature Briefs

Chemical plant design and construction: from conceptualization to handover, including process design; design tools; safety and risk analysis; start-up; instrumentation and control; materials of construction and specifying equipment

Control and instrumentation engineering: from field instrumentation to SCADA systems; automation; advanced control; modelling; simulation and optimization of the process; batch processing; control systems and software; manufacturing and supply of IT products; technology; new hardware or software; new products; new network technology; new information management systems; chemical analysis: on-line and off-line analytical instrumentation; pH; conductivity; turbidity and dissolved oxygen measurement; gas analysis; spectroscopy; gas chromatography and other analytical techniques

Corrosion and coatings engineering: protective coatings, pipes, structural steel, tanks, polymers, accident investigations and reconstruction, failure analysis, material technology, protection of metals, corrosive substances and galvanic hierarchy

Emerging technologies: biochemical engineering and biotechnology; focus on processes that use bacteria and micro-organisms, eg, fermentation in the food and beverage industry; nanotechnology; water treatment; bacterial leaching in the mining industry; future energy resources: hydrogen economy, electric vehicles, fuel cells, nuclear energy, renewable energy, oil supply, offshore prospecting, natural gas, LPG, global warming, CO₂ sequestration

Environmental engineering and management: air emissions' reduction and control; testing; analyzing and monitoring; gas purification; industrial waste gas treatment, including process equipment; absorbents and scrubbers; legal systems and approaches both locally and internationally; life cycle assessment; sustainable design; environmental impact studies; pollution control, cleaner production aspects and waste management



Food and beverages: production and planning; plant optimization; sugar cane; bio-processing; process control; instrumentation; machinery and equipment; containers/packaging; water treatment; waste treatment and safety and risk factors

Materials of construction: pipes, pumps, tanks, steel, protection of metals, accident investigations and reconstruction, failure analysis, materials technology, polymers, plant maintenance; synthesis of materials, catalysts, absorbents and coatings; fracture; embrittlement; corrosion, monitoring, welding, selection of materials, chemical products, product specification, development and testing; reactors, distillation equipment, thickeners, heat exchangers, chemical waste treatment equipment, pressure vessels, autoclave systems, automation equipment, evaporative cooling equipment, mass separation equipment

Mining and minerals processing: extraction and processing, exploration, mineralogy, pyrometallurgy, hydrometallurgy, analytical chemistry, sustainable development, environmental, design and construction in the mining industry

Petrochemicals: transport and processing of crude oil; extraction of chemicals from coal; chemical products from the petrochemical industry including plastics, fertilizers, lubricating oils, waxes, petrol and diesel. Environmental issues

Plant maintenance and risk analysis: corrosion; monitoring; maintenance of pumps and compressors; de-scaling; replacing packing; catalysts and absorbents; maintenance of instruments; plant shut-down; upgrades and start up; safe transportation and handling of chemicals and waste to minimize the risk to operators and the environment; monitoring and reduction of emissions; gas detection; safety equipment and the maintenance of the plant to ensure a safe working environment

Pumps, valves and actuators: emphasis on applications and novel technologies

Separation/filtration technologies: filters and applications of filtration; scale-up equipment, filter media; sedimentation; distillation dialysis; centrifugation; osmosis; dialysis; gas absorption; diffusion; ion exchange; flotation; drying and thickening; adsorption; stripping; solvent extraction; leaching; crystallization

Solids handling: bulk storage; screening; conveying; milling; transport; mixing; granulation and aggregation

Waste management: solid waste treatment, pollution control; treatment and disposal of all types of effluent; testing and monitoring instrumentation; processing, handling and disposal; recycling; process equipment; legal and regulatory guidelines and implementation

Water treatment: testing and monitoring instrumentation; water purification, industrial wastewater treatment; recycling; conservation and water treatment plants including process equipment

Chemical Technology Rates 2012



PUBLISHER
Jenny Warwick

EDITOR
Glynnis Koch

ADVERTISING
Brenda Karathanasis

CHEMICAL TECHNOLOGY

The ABC figures from April to June

'11 are Paid 54, Free 3744,
Total 3798

'Chemical Technology' is a monthly technical journal aimed primarily at chemical engineers, as well as engineers and technologists in related industries such as food & beverage, minerals processing, pulp & paper, waste management, water treatment, environmental engineering and petrochemicals. The journal features in-depth articles on a wide range of topics, eg, solid/liquid separation, biotechnology, corrosion and coatings engineering, chemical plant design and construction and control and instrumentation engineering. The articles aim to be practical and informative.

'Chemical Technology' also has useful and interesting product news sections called Focuses and regular columns of general interest. Chemical Technology is endorsed by the South African Institution of Chemical Engineers (SAICChE).

READERSHIP PROFILE

Chemical manufacture.....	249	Iron & steel	66	Profibus Group	97
Consulting.....	198	Mining & cement.....	305	Promotional	46
Contracting.....	103	Advertisers.....	114	Pulp & paper.....	14
Education.....	68	Media.....	139	SAICChE.....	1218
Food & beverage.....	185	Petrochemical.....	165	Subscribers.....	50
General industry & management.....	376	Pharmaceutical.....	60	Water & environment.....	503
		Power generation	44	TOTAL.....	4 000

ADVERTISING RATES 2012 - per insertion (excl VAT) FULL COLOUR

	Casual	3 Insertions	6 Insertions	12 Insertions
A4	R17 250	R16 250	R14 800	R14 250
A5/Half A4 (V or H)	R12 250	R11 250	R10 750	R10 100
Third A4 (V or H)	R10 250	R9 950	R8 950	R8 550
1/4 A4 Page	R8 600	R7 875	R7 300	R7 000

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BLACK & WHITE= 80% of Full Colour rates
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Tel: +27 11 622 4770/1/2/3 Fax: +27 11 615 6108
PO Box 140, BEDFORDVIEW, 2008
e-mail: brendak@crownc.co.za
web: www.crown.co.za

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