



## Abbreviations

<b>ECSA:</b>	Engineering Council of South Africa
<b>EEAIA:</b>	Electrical Engineering and Allied Industries Association
<b>GCEI:</b>	Global Climate and Energy Initiative
<b>IEEE:</b>	Institute of Electrical and Electronics Engineers
<b>M&amp;V:</b>	Measurement and Verification
<b>Necsa:</b>	South African Nuclear Energy Corporation
<b>SAAE:</b>	Southern African Association for Energy Efficiency
<b>SAIEE:</b>	South African Institute of Electrical Engineers

## Authors

### Chapter 1



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Dieter Krueger is a professional engineer and a Certified Energy Manager. As project manager for EL Bateman he was responsible for various construction projects in the coal mining and processing sector. He was later appointed as director of the CSIR's Division of Energy Technology. In 2002 he joined North West University as senior lecturer in the Faculty of Engineering, where he supervised MSc and PhD students and published several engineering articles focusing on energy optimisation and efficiency. He joined Africon (now Aurecon) in 2006 as a project manager. He is a part-time consultant for BBEnergy and secretary for the SAAEs. Enquiries: Email [dkrueger@bbe.co.za](mailto:dkrueger@bbe.co.za).



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Vic has been at Eskom since 1983. His focus has been on energy and energy related projects. He currently holds the position of senior manager, power delivery and utilisation in the Eskom Group Technology Division's research, test and development department. He holds a PhD Management of Technology and Innovation from the da Vinci Institute; MSc Engineering, from Warwick University, United Kingdom. He is chairman of University of Johannesburg's technical advisory committee. He is also a member of ECSA. Enquiries: Email [LawrenVA@eskom.co.za](mailto:LawrenVA@eskom.co.za).

### Chapter 2

#### Chris Gimson



Chris Gimson BSc Mphil CEng MIET has spent twenty years as technical director of Endress+Hauser UK, six years as project manager at Endress+Hauser Flowtec in Switzerland and two years seconded to Endress+Hauser South Africa as energy management consultant. Chris has extensive experience in the design, manufacturing, service and sales aspects of process instrumentation and the needs of the marketplace. In April 2011, Chris relocated to South Africa to take over as general manager of Endress+Hauser Pyrotemp. Enquiries: Email [chris.gimson@pyrotemp.endress.com](mailto:chris.gimson@pyrotemp.endress.com).



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#### Brigitte Burnett

Brigitte Burnett began her career in the compliance field and acquired her Registered Person's qualification from the Bond Exchange of South Africa. She is a registered SAFEX compliance officer. At Nedbank, she holds the position of head of sustainability; she is also an executive member of Nedbank's enterprise governance and compliance cluster. Enquiries: Email [sustainability@nedbank.co.za](mailto:sustainability@nedbank.co.za).

### Chapter 3



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Michael Müller is business manager for the drive, safety technology and switchgear areas at Rockwell Automation in Germany. He started his career as a telecommunications specialist, and later completed a degree in electrical engineering with a specialisation in energy technologies. Müller joined

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### **Dirk Visser**

Among several qualifications, Dirk Visser has a BSc in Electrical Engineering (University of Johannesburg) and diplomas in building energy management, business, marketing and sales management. He has worked for SCAW Metals, Genwest (GE), Schneider Electric and Comet Electrical Whole-

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Bradley Hemphill is the director of EES, an ISO 9000, professional engineering management company. He obtained his Electrical and Mechanical Engineering degrees from the University of Cape Town. His working career began at WSP, an international firm of consulting engineers, before

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## **Chapter 4**



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Johan van Niekerk has worked in the drives industry for 20 years. Initially gaining practical experience as a technician, he later filled various posts, including project manager, business development manager and drives manager. Johan was engaged by Zest Electric Motors as drives and automation

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### **Rob Melaia**

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### **Fanie Steyn**

Fanie started his career in 1992 where he obtained experience in the Gold Fields operation. He gained experience as a service technician through executing motor projects in South and sub-Saharan Africa. He is the energy efficiency manager in the discrete automation and motion division at ABB South Africa.

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Cuthbert is a senior lecturer at the University of the Witwatersrand (Wits) Johannesburg. In 2004, he was awarded an MSc Engineering (with distinction) and in 2011, a PhD. He has experience in utility power system planning and development and his passion is research on diagnosis of high voltage insulation.

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