

## ■ Training

- Livestream with trainer access for Q&A
- Attendance certificate after completion of full course
- Full attendance of all 15 hours calculates to **2 AEE renewal credits**
- 1 hour online exam to be taken within three (3) months of course. Only one exam rewrite is allowed, after the second fail you need to retake the course.

## ■ Course Outline

The UNIDO Motor Systems Optimisation End User training goes in depth into various aspects regarding the efficient use of motor systems in your organisation.

Topics considered include power quality and it's effective on a system, correctly sizing for the task at hand, looking at the types of motors such as DC, induction, synchronous, etc, determining efficiency versus load, looking at insulation, motor controls, types of motor loads, VSD's, savings opportunities, harmonics, mechanical transmission, motor losses, motor repair and maintenance, how to sell motor efficiency to a client or management, amongst other integrated topics and case studies to demonstrate the effectiveness.

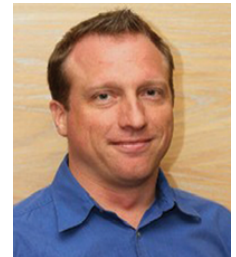
## ■ Trainer: Sheldon Bode

Sheldon Bode graduated with his Bsc Electrical and Computer Engineering Degree from UCT, is a member of the Association of Energy Engineers (AEE) and has obtained his Certified Energy Management (CEM) and Certified Measurement and Verification Professional (CMVP).

He is currently the Lead Analytics and Design Engineer at Energy Drive in Durban who provide capex free energy reduction solutions specialising in fan and pumping systems. Energy Drive has over 65MW of motors under VSD Control, has saved over 500 000 000kWh for their clients and won the SAEEC Energy Services Company of the Year award in 2019.

Previously an Environmental Engineer at Toyota South Africa, Sheldon has been involved in Energy Reduction projects and Energy Management Systems for over

10years. He has successfully implemented a wide variety of energy reduction solutions including, but not limited to, compressed air, steam, pumping, lighting, water heating, and HVAC systems.



Sheldon's efforts contributed to the department in which he worked receiving several accolades including the SAEE 2013 and 2014 Energy Company of the Year Awards, and the Toyota Motor Corporation International Platinum Award for Best CO<sub>2</sub> Reduction.

He has also attended System Optimisation Courses on Steam, Pump and Fan Systems and is a UNIDO National Expert in Compressed Air Systems, Electric Motors, Energy Management Systems and Energy Performance Measurement Indicators.

## ■ For bookings and enquiries, contact your regional partner



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