

■ Training

- Livestream with trainer access for Q&A
- 15 hours of training over 3 days
- Attendance certificate after completion of the full course
- Certificate of completion on passing the test
- 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 End User Fan Systems Optimisation training course enables delegates to recognise the benefits of FSO by learning how to assess fan systems and identify potential optimisation opportunities.

They will be introduced to some practical examples and learn the preferable applications of various fan and impeller types in terms of their performance and design and how they interact with different systems and controls.

The System in which the fan operates will then be studied so that the impact of the design of the system on the performance of the installed fan can be assessed and quantified.

By gaining an understanding of different control methods and maintenance and operational best practices, they will then be able

to make initial determinations of the potential benefits of the opportunities that may be available. The methods of control, including the various types of dampers and their application as well as variable speed drives, will be discussed.

The participants will be guided in the skills and methodology of determining how to achieve cost savings and energy efficiency through the appropriate application of the correct fan and impeller type in new and existing systems.

The participants will also learn to make operational cost calculations using various methods and be able to assess fan systems and their potential improvements quantitatively and qualitatively. This will enable them to initiate the development and implementation of FSO measures and projects.

■ Trainer: Barry Platt

Barry Platt has a Bsc. (Mech. Eng), CEM, UNIDO qualified international trainer in the subjects of Pump and Fan System Optimisation and NCPC qualified expert in Resource Efficiency and Cleaner Production (RECP).

Barry Platt has over 15 years' experience in the industry. He has conducted over 100 energy and resource efficiency projects and assessments at large and small companies around South Africa and internationally, providing these clients with in depth information and recommendations with regard to baselines, implementation options and financial analysis.

He has completed many energy system optimisation and resource efficiency projects with excellent savings results. These included fans, pumps, compressed air, process flows, materials and waste balances, electrical and water balances. Barry has also completed and qualified in various UNIDO, internationally sanctioned training workshops relating to Energy Management and System Efficiency. He currently facilitates training courses up to Expert level in the subjects of fan and pump system optimisation.



Barry own Energy Assist; an energy consulting company.

■ For bookings and enquiries, contact your regional partner



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