

BOGE Compressed Air Academy

Professional Service Seminar (English)

Description	Oil-free Turbo Compressors (2EO3)
Learning opportunities	<p>The participants of this seminar will get all the necessary skills for the systematic approach to doing troubleshooting and fault correction. This includes extensive methodological skills as well as detailed understanding of complex machines and controls. Furthermore, an independent commissioning in accordance with the operating manual is included.</p>
Target group	<p>Experienced service technicians, BOGE administrative service and product support personnel of key partners and distributors who are involved in the maintenance of BOGE turbo compressors.</p>
Content	<ul style="list-style-type: none">• Oil-free conditions of compressed air• Compressor control for turbo compressors (focus control 2.0)<ul style="list-style-type: none">- Parameter- Software update• Commissioning of Turbo compressors• Systematic troubleshooting and fixing of BOGE turbo compressors• BOGE connect – Smart Monitoring and Service Tool
Requirements	<ul style="list-style-type: none">• Knowledge of design and functions of<ul style="list-style-type: none">- BOGE compressor controls- BOGE turbo compressors• Experience with<ul style="list-style-type: none">- Handling of BOGE compressor controls- Maintenance of BOGE turbo compressors <p>(or previous participation in e.g.: Basic Service Seminar Turbo Compressors)</p>
Duration	2 days
Charge	-
Dates and locations	on appointment

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Agenda Oil-free Turbo Compressors (2EO3)

Day 1

- 09:00 hrs** Welcome and introduction to the course agenda, Introduction of participants
- 09:20 hrs** Oil-free conditions of compressed air
- Definition of 'oil-free compressed air'
 - Factors influencing residual oil content
 - Condensate management of dry-running oil-free compression
- 10:30 hrs** Break
- 11:00 hrs** Compressor controls – base control and focus control 2.0
- Design, function and handling
- 12:45 hrs** Lunch-Break
- 13:30 hrs** Compressor controls – base control and focus control 2.0
- function and handling
 - Software update ("flashing")
- 15:00 hrs** Break
- 15:30 hrs** Frequency converter
- Design and function
- 16:15 hrs** BOGE connect – Smart Monitoring and Service Tool
- Concept
 - Connection
 - Commissioning
- 17:00 hrs** End of the seminar day

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Day 2

- 09:00 hrs** BOGE turbo compressors – Cooling water circuit
- Requirements to water quality
 - Heat recovery
- 10:30 hrs** Break
- 11:00 hrs** BOGE turbo compressors (Practical part)
- Installation and commissioning
- 12:30 hrs** Lunch-Break
- 13:15 hrs** BOGE turbo compressors (Practical part)
- Installation and commissioning
- 14:30 hrs** Break
- 15:00 hrs** BOGE turbo compressors
- Fault determination and localisation (electrical and mechanical)
- 16:00 hrs** Factory tour (optional)
- 17:00 hrs** End of the seminar