

BOGE Compressed Air Academy

Professional Service Seminar (English)

Description	Oil-free Scroll Compressors (2EO1)
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 oil injected BOGE scroll compressors.</p>
Content	<ul style="list-style-type: none">• Oil-free conditions of compressed air• Compressor control (focus control 2.0)<ul style="list-style-type: none">- Parameter- Base Load Switch (BLS)- Software update• Connection to airtelligence provis 3 (Management control)• Troubleshooting• 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 scroll compressors• Experience with<ul style="list-style-type: none">- Handling of BOGE compressor controls- Maintenance of BOGE scroll compressors <p>(or previous participation in e.g.: Basic Service Seminar scroll compressors)</p>
Duration	2 days
Charge	-
Dates and locations	on appointment

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Agenda Oil-free Scroll Compressors (2EO1)

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
- Software flashing
 - Function and setup of base load switch (BLS)
- 15:00 hrs** Break
- 15:30 hrs** Compressor controls – base control and focus control 2.0
- BUS connection / network setup
 - Connection of third-party compressors via Modbus Interface Modul (MBI)
 - Setup of a base load switch (BLS)
- 17:00 hrs** End of the seminar day

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Day 2

- 09:00 hrs** BOGE scroll compressors – Commissioning
- Specifications and checks
 - Practical implementation
- 10:30 hrs** Break
- 11:00 hrs** Advice on connecting to an airtelligence provis 3
- 11:30 hrs** BOGE connect – Smart Monitoring and Service Tool
- Concept
 - Connection
 - Commissioning
- 12:30 hrs** Lunch-Break
- 13:15 hrs** BOGE screw compressors with oil-injection cooling
- Fault determination and localisation (electrical and mechanical)
- 14:15 hrs** Factory tour (optional)
- 15:15 hrs** End of the seminar