

BOGE Compressed Air Academy

Professional Service Seminar (English)

Description	Screw compressors with oil-injection cooling (2ES)
Learning opportunities	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.
Target group	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 screw compressors.
Content	<ul style="list-style-type: none">• Configuration of oil injected screw compressor controls (base control and focus control 2.0)• Commissioning of oil injected screw compressors• Fault analysis of oil injected screw compressors• Troubleshooting and repair of screw compressors with oil-injection cooling• 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 screw compressors with oil-injection cooling• Experience with<ul style="list-style-type: none">- Handling of BOGE compressor controls- Maintenance of BOGE screw compressors with oil-injection cooling <p>(or previous participation in e.g.: Basic Service Seminar screw compressors with oil-injection cooling)</p>
Duration	2 days
Charge	-
Dates and locations	on appointment

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Day 1	
09:00 hrs	Welcome and introduction to the course agenda, Introduction of participants
09:15 hrs	Fundamentals of compressed air
10:00 hrs	Compressor room
10:30 hrs	Break
11:00 hrs	Compressor controls – base control and focus control 2.0 <ul style="list-style-type: none">• Design, function and handling
12:45 hrs	Lunch-Break
13:30 hrs	Compressor controls – base control and focus control 2.0 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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 screw compressors with oil-injection cooling – Options <ul style="list-style-type: none">• Frequency control• BLUEKAT• Heat recovery
10:30 hrs	Break
11:00 hrs	BOGE screw compressors with oil-injection cooling – Commissioning <ul style="list-style-type: none">• Specifications and checks• Practical implementation
11:45 hrs	BOGE connect – Smart Monitoring and Service Tool <ul style="list-style-type: none">• Concept• Connection• Commissioning
12:30 hrs	Lunch-Break
13:15 hrs	BOGE screw compressors with oil-injection cooling <ul style="list-style-type: none">• Fault determination and localisation (electrical and mechanical)
15:00 hrs	Break
15:30 hrs	BOGE screw compressors with oil-injection cooling <ul style="list-style-type: none">• Fault determination and localisation (electrical and mechanical)
16:00 hrs	Factory Tour (Optional)
17:00 hrs	End of the seminar