

BOGE Compressed Air Academy

Professional Service Seminar (English)

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| Description | Piston Compressors (2EP) |
| 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. |
| 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">• Fault analysis of oil-lubricated and oil-free piston compressors• Configuration of piston compressor controls base control, focus control 2.0• Troubleshooting and repair of screw compressors with oil-injection cooling• Commissioning of piston 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 oil-lubricated piston compressors• Experience with<ul style="list-style-type: none">- Handling of BOGE compressor controls- Maintenance of BOGE oil-lubricated piston compressors <p>(or previous participation in e.g.: Basic Service Seminar Piston Compressors)</p> |
| Duration | 2 days |
| Charge | - |
| Dates and locations | on appointment |

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Agenda **Piston compressors (2EP)**

Day 1

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| 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">• function and handling• Software update (“flashing”) |
| 15:00 hrs | Break |
| 15:30 hrs | Compressor control – focus control 2.0 <ul style="list-style-type: none">• BUS connection / network setup• Integration of Third-party compressors via Modbus Interface Modul (MBI)• Parametrisation of base load switch settings (BLS)• Re-activation of RFID-Service-Chips |
| 17:00 hrs | End of the seminar day |

In case the seminar will take place at BOGE headquarters, and if time-wise possible we will make a factory tour for those who are interested.

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Day 2

- 09:00 hrs** Oil-lubricated and oil-free piston compressors – Options
- Pre-compressed air compressor (Booster)
- 10:30 hrs** Break
- 11:00 hrs** Oil-lubricated and oil-free piston compressors - Commissioning
- Specifications
 - Checks
- 11:45 hrs** BOGE connect – Smart Monitoring and Service Tool
- Concept
 - Connection
 - Commissioning
- 12:30 hrs** Lunch-Break
- 13:15 hrs** Oil-lubricated and oil-free piston compressors
- Fault determination and localisation (Electrical and mechanical)
- 15:00 hrs** Break
- 15:30 hrs** Oil-lubricated and oil-free piston compressors
- Fault determination and localisation (Electrical and mechanical)
- 16:00 hrs** Factory Tour (Optional)
- 17:00 hrs** End of the seminar