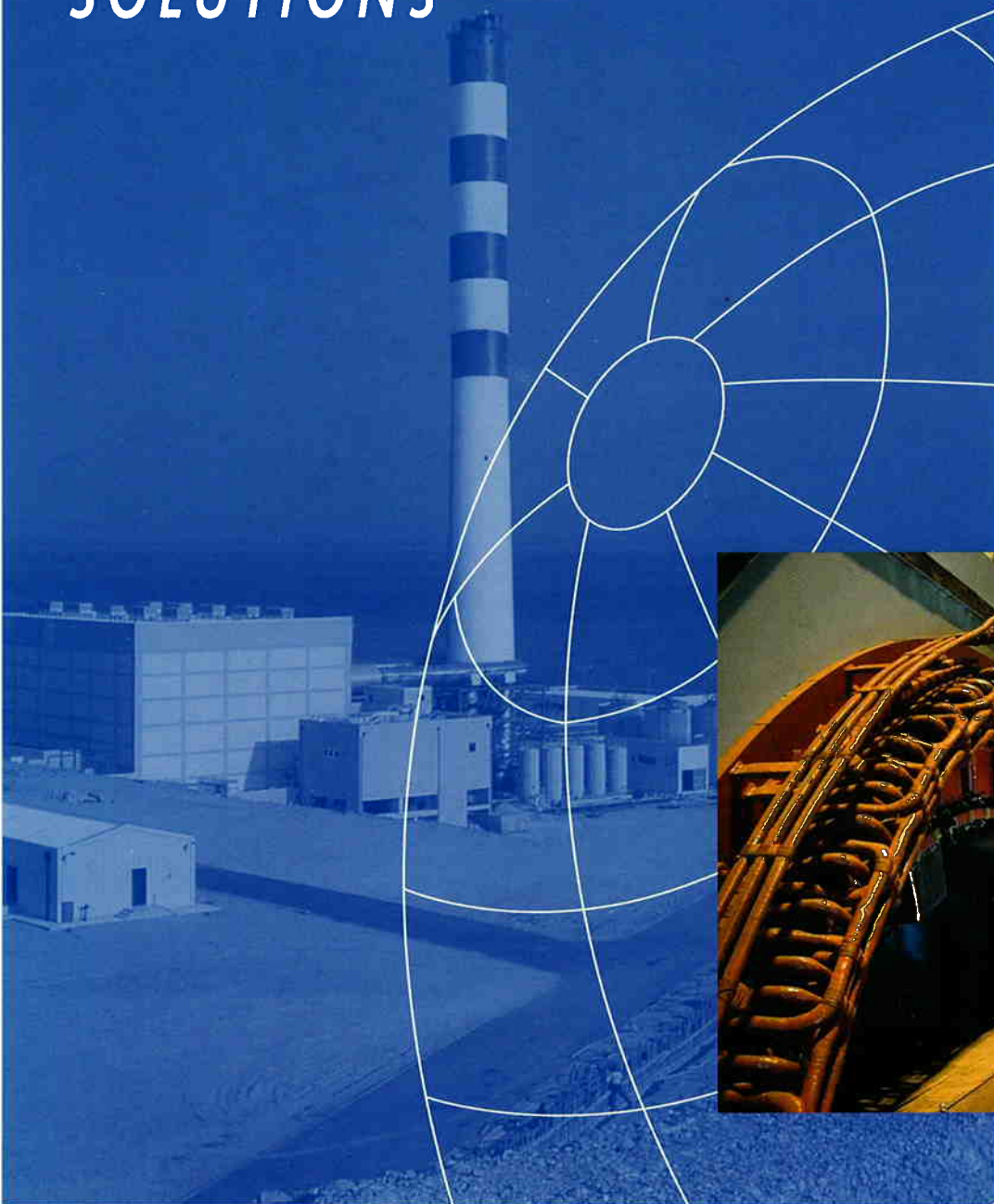


DEPENDABLE SERVICE SOLUTIONS



GENERATOR INSPECTION



Burmeister & Wain Scandinavian Contractor A/S

Generator Inspections

- We Inspect, Report and Repair

BWSC's service personnel is qualified to carry out expert inspection and repair of generators.

We ensure that the generator is in a reliable and safe operational condition. The inspection of AVR and generator protection equipment can be included upon request.

Following the inspection BWSC submits a detailed technical report outlining the condition of the generator and proposing preventive maintenance - or repair if needed.



Generator Inspection Method

We recommend that inspections are carried out annually to ensure a safe and reliable operation. During our visit, the generator is dismantled and assembled in close cooperation with the client's staff. Inspection, measurements and testing are carried out and form the base for discussions with the client regarding maintenance/repair. The duration of the generator inspection is typically 2-3 days, but can be extended to include possible maintenance/repair.

Prior to inspection the client and BWSC outline the scope of work considering local operating parameters and ambient conditions. The areas covered in the inspection can be:

- Internal Visual Inspection
- Stator Insulation Resistance
- Rotor Insulation Resistance
- Rotor Resistance
- Measurement of Air Gap

- Inspection of Slip Rings
- Checking of Brushes
- Cleaning of Brush Gear
- Test of Thermocouples
- Test of Humidity Detectors
- Inspection of Coolers
- Generator Bearing Inspection
- Measuring of Generator Bearing Resistance
- Test of Protection Relays
- Service of Generator Breaker
- Partial Discharge Inspection

Generator Inspection Benefits

- Sustaining high availability and revenue
- Preventing faults from developing into costly and time-consuming repairs
- Ensuring long lifetime for the generator
- Avoiding expensive replacement of the generator



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