



Is your flue gas stack maintained?

Flue Gas Stack Inspection and Repair

Avoid costly downtime due to wear and tear of your flue gas stack

Industry best practices recommend that flue gas stacks are inspected every other year to reveal incipient degradation and initiate required repair in due time to reduce the risk of costly breakdowns and extensive downtime while ensuring long lifetime of the stack.

Damage to steel stacks is usually caused by corrosion and wind impacts. Heavy corrosion can cause aggressive flue

gases escaping from the inner tube causing damage to the insulation material as well as corrosion to the outer shell, internal ladders.

BWSC's flue gas stack specialist engineers carry out inspections and repair of power plant steel flue gas stack for reliable lifetime performance of your power plant.

Stack Service offerings

Stack inspection

- The stack inner tube, insulation, and shell by means of rappelling and/or camera and thermographic scanner
- Measuring points
- Ladder, platform and fall protection equipment
- Paint/coating and surface condition of the shell
- Exhaust gas silencers
- Measurement of corrosion loss by use of ultrasonic measurement equipment
- Examination of vibration dampers and compensators
- Examination of the stack foundation, both outer and inner
- Cleaning of the inner foundation (stack bottom) and drainages
- Measurement of earth (PE) connections

Stack repair and replacement

- Repair/replacement of cracked and corroded parts
- Replacement of gaskets and compensators
- Re-tightening of bolts and cleaning of drains and ventilation ducts
- Repair of exhaust connection from building to stack
- Non-destructive (NDT) testing of cracks

Selected references

Stack inspection, Sweden

Facility: Trollhättan

Client: Trollhättan Energi AB

Scope: Inspection of 50 meters steel chimney stack with 2 inner pipes

Completion: 2020

Stack replacement, Sweden

Facility: Bollnäs

Client: Bollnäs Energi AB

Scope: Replacement of 65 meters chimney stack with 2 inner pipes

Expected completion: 2022

About BWSC

Headquartered near Copenhagen, Denmark, BWSC provides specialized consultancy, engineering, installation, operation and maintenance services at power plants and green energy facilities worldwide.

Forty years of experience with energy infrastructure, a diverse staff of seasoned experts, full technology independence and our big-picture approach make us uniquely able to help customers define their ambitions and reach them through expert design and continuous improvement of their facilities.

BWSC



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