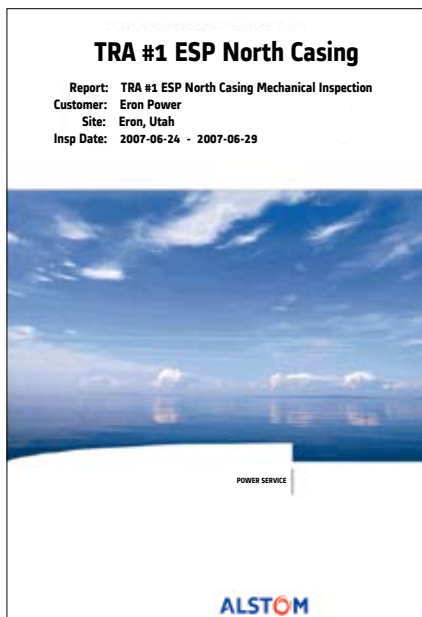


Alstom Inspection Tool (AIT)

The Alstom Inspection Tool (AIT) has been developed to provide customers with the most efficient analytical and information tool, which can be accessed 24 hours a day via the Power Service Internet portal.



Customer Benefits

Outage time reduction

Plant emissions reduction

System reliability improvement

Available for

All Alstom and non-Alstom design
Air Pollution Control systems

Web address

www.environmental.powerservice.alstom.com

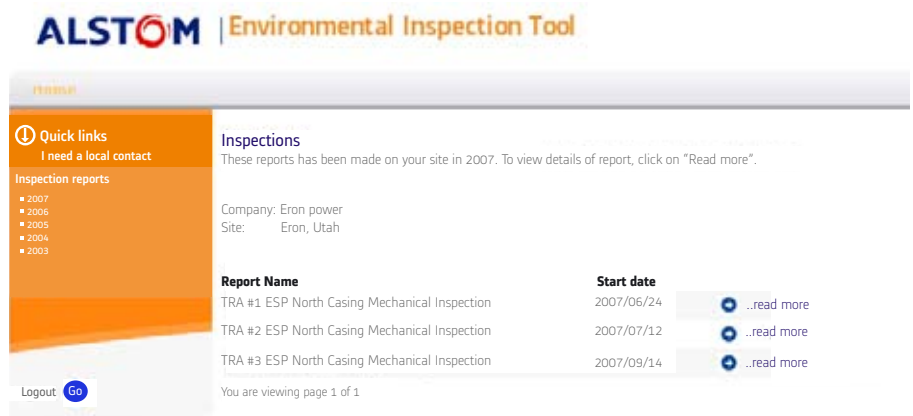
Background

A well-maintained Air Pollution Control (APC) system is of the upmost importance for the efficiency of the plant. Keeping emissions on a low and optimal level, minimising energy consumption and reducing the likelihood for unplanned stops is among the important targets for continuous and well-managed maintenance.

Alstom Power Service supports customers' efforts in this area providing inspection programmes aimed at having control of plant status. Our experienced staff make regular physical inspections. Traditional way is to produce inspection reports manually and sent them to the customer in paper format.

Alstom Inspection Tool is developed to support easy information management, and searching parts history surveys and other important measures.

The Alstom Inspection Tool (AIT) is developed using the latest technologies and software from Product Data Management (PDM) standards to provide the inspectors and the customers with the most efficient information tool. The inbuilt templates and checklists together with an interactive help support provide the Alstom inspectors with the most advanced quality tool for inspections.



View of inspection report library on Alstom Power Service Portal

Alstom solution

Power Service provides inspection information and plant information in a structured and easy accessible way to improve the quality of plant maintenance.

Alstom has developed the software application, "Alstom Inspection Tool" (AIT) to be used by customers and Alstom technical advisors as well as inspectors. All inspection data is stored in a global information database allowing easy and fast access at any time for customers as well as inspectors.

If you are interested in receiving this service, please contact your local service centre.

Benefits

High-quality standard reports and fast feedback of findings.

Status on individually inspected equipment including notes, actions, spare parts and used resource hours.

On-site pictures of inspected equipment, detailed analysis documents and complete inspection report.

Easy to use for all stakeholders; customer, technical advisor and inspector.

Global electronic storage for all inspection reports. Personal and secure internet page reached 24/7.

TRA ESP

Sub 002- Casing

Equipment	Status
Doors	Action recommended

File name: Eron #1 Recovery Boiler Precipitat

Link: [Link to original picture](#)

Descr: Bottom trough access door has a corrosion hole which has probably formed as a result of cold air infiltration through the door gasket.



File name: Eron #1 Recovery Boiler Precipitat

Link: [Link to original picture](#)

Descr: The fourth access door has corrosion, which was probably formed as a result of cold air infiltration through the door gasket. There is no corrosion penetration yet.



Spare parts

ESP F1 (South)

▶ Collecting System F1A

Equipment	Status
Collecting System F1A	Acute
Collecting plate; V2554080-3900	

Shock bar; V2559753-2400 (cpl with anvil)
Anvil; V2559753-0002

Arm inner; V3100490-0100
Arm outer; V3100500-2600
Bearing; V360150-2100

▶ Collecting System F1B

Equipment	Status
Collecting System F1B	Action recommended
Collecting plate; V2554080-3900	

Shock bar; V2559753-2400 (cpl with anvil)
Anvil; V2559753-0002

Arm inner; V3100490-0100
Arm outer; V3100500-2600
Bearing; V360150-2100

▶ Emitting System F1A

Equipment	Status
Emission System F1A	Action recommended
Emitting electrodes; V3570004-0960	

Arm inner; V3100490-0100
Arm outer; V3100500-2400
Bearing, horizontal shaft; V360150-2100

Report - Typical Content