



# ETN Hot Corrosion Working Group

## Survey

In the frame of the **ETN Hot Corrosion Working Group**, ETN Global is collecting information on Hot Corrosion issues encountered by users worldwide. The Working Group is chaired by Prof. John Oakey, Cranfield University, and Dominique Orhon, TOTAL.

The main goal of the ETN Hot Corrosion Working Group is to understand the likely causes of hot corrosion and address hot corrosion damages on the hot gas path parts of the gas turbine, particularly off-shore or in coastal regions.

The objectives of this Working Group are to:

- Raise awareness about the extent of the issue.
- Understand the likely causes of Hot Corrosion and the similarities/differences between user experiences.  
This process involves user-funded metallurgical analysis of damage mechanisms and related process conditions for parts provided. Analyses will be carried out on a confidential basis.
- Provide effective solutions to mitigate or eliminate Hot Corrosion.

Any company can help the network better understand the extent of the issue by answering the survey below.

### Survey

1. In which regions do you face Hot Corrosion issues?

- North America
- South America
- Western Europe
- Central and Eastern Europe
- North Africa
- Sub-Saharan Africa and Indian Ocean
- Middle East
- South Asia
- Asia – Pacific

2. How many engines have been affected?

- Less than 5
- Between 5 and 10
- Between 10 and 20
- More than 20

3. Would you be interested in joining the ETN Hot Corrosion Working Group?

- Yes
- No

ETN is committed to protecting the privacy and confidential information of respondents. The individual submitted data from respondents will be kept strictly confidential and **only the compiled data from all respondents will be circulated.**

*Please return the completed form by email to [Valentin Moens \(vm@etn.global\)](mailto:vm@etn.global)*

## Metallurgical Analysis and Next Steps

The next steps for members of the ETN Hot Corrosion Working Group is to discuss more in detail their experience with Hot Corrosion issues, and then provide damaged parts – if available – for metallurgical analysis (costs will be related to the number of parts being examined).

In exchange, ETN Members involved in the Hot Corrosion Working Group will receive:

- An independent, confidential analysis of the Hot Corrosion of their damaged parts with a review of possible causes;
- The results of the global analysis from all the parts collected;
- Proposals to mitigate or eliminate Hot Corrosion;
- An in-depth knowledge about this issues thanks to a strong collaboration within the ETN Hot Corrosion Working Group.

*If you have any further questions or want to join the ETN Hot Corrosion Working Group, feel free to contact Valentin Moens ([vm@etn.global](mailto:vm@etn.global))*