|  |  |
| --- | --- |
| **Corrosion Atlas Contributed By: NAME** | |
| **Material Details:**  Include the material's name, code, and relevant chemical comparisons. |  |
| **System Overview:**  Briefly describe the system's operational conditions, including stress, temperature, pH, and other relevant details. |  |
| **Part Description:**  Explain the role and name of the part within the system. |  |
| **Corrosion Type:**  Identify and provide evidence of the corrosion type observed in this case, e.g., pitting, stress corrosion cracking, etc. |  |
| **[Please submit all figures separately in jpeg or tiff format at 300 dpi or higher for printer quality. Figures should include a readable scale as applicable.]** | |
| **Data and Analysis:**  Include vital data to support corrosion identification and describe the analysis methods used, such as chemical, metallurgical, microbiological, or other relevant techniques. |  |
| **Service Duration:**  Specify or estimate time in service leading to corrosion. |  |
| **Corrosion Causes:**  Explain the factors that led to the corrosion, including environmental and operational aspects. |  |
| **Remedy/Mitigation and Sustainability:**  Briefly discuss corrosion control strategies and their sustainability impact, considering costs, reliability, energy, environment, and safety. |  |
| **Additional References:**  Include any additional references that pertain to the case study. |  |

**Contributor Name(s):**

**Affiliations:**

**Contact Information (please include e-mail address):**

**Short Bio(s):**

Requirements to be considered for peer review:

* Minimal of 300 words and maximum of 500 words to one case study – case study will be rejected for peer review if minimum or maximum word count is not met.
* jpeg or tiff format for figure images / 300 dpi or higher / colour.
* Figures should include a readable scale as applicable.
* If submitting multiple figures, please indicate which 2 figures should appear in the print book version (label them in the case study under Phenomenon) and name the remaining figures as EXTRA in their file name.

Example:

Case Study #1 Figure 1\_FOR BOOK

Case Study #1 Figure 2\_FOR BOOK

Case Study #1 Figure 3\_EXTRA

Etc.