

## **NWS-2025 Theme: Innovations in Welding for a Sustainable Environment**

**Technical Paper Title:** NDT Evaluation and QA – Importance of Non-Destructive Testing / Evaluation and Quality Assurance Planning process in Welding industries will contribute towards Sustainable Environment.

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### **Abstract:**

Non-Destructive Testing / Evaluation and Quality Assurance are the key processes to control and minimize the defects / reworks / rejection in final products of welding industries. By doing this lot of savings in Cost, Man Hours, Consumables, Improved Quality, Rework / Repair time, Human Efforts etc., could be accomplished.

Alongside, concept of Sustainable Environment contributions in welding industries will be an important and added advantage by choosing the proper Non-Destructive Testing / Evaluation and Quality Assurance methodologies.

### **Objectives:**

To conduct research and find the optimized Non-Destructive Testing / Evaluation and Quality Assurance Tools towards contributions of making Sustainable Environment.

**Methodology:** Research Through Primary and Secondary Source data which is already available in various places (Ex. From Books, Websites, Industrial Data, Word of Mouth etc.,)

**Key Findings:** Will be listed and shared in later stages

**Relevance:** Non-Destructive Testing / Evaluation are being used for a long time in welding industries to minimize the wastages in every area. Along with that, the Sustainable Environment goal must be focused on contributing to society in large.