

	Adresse : Cité 11 Décembre 1960 N° 120 2ème Etage Baba Hassen- ALGER N RC : 16-01 - 20A1551304 NIF : 19517310150012900000 Telephone : 0782 83 79 88 Email: kitalgeria@kit-egy.com Site web : www.kit-egy.com	BATEN RABAH Consultation, Training, Contracting & Evaluation Training Pogramme
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Title: Non-Destructive Testing (NDT) - Ensuring Structural Integrity

Slide 1: Introduction

Title: "Non-Destructive Testing: Ensuring Structural Integrity"

Briefly introduce yourself and your background.

Slide 2: Objective

State the purpose of the presentation: To understand the principles, techniques, and importance of NDT in various industries.

Slide 3: What is NDT?

Define NDT.

Mention its significance in industry.

A few real-world applications (e.g., aerospace, automotive, oil & gas).

Slide 4: Principles of NDT

Discuss the fundamental principles behind NDT methods.

Mention the key principles such as reflection, transmission, and attenuation.

Slide 5: Common NDT Techniques

Discuss some of the most widely used NDT methods:

Visual Testing (VT)

Ultrasonic Testing (UT)

Radiographic Testing (RT)

Magnetic Particle Testing (MT)

Liquid Penetrant Testing (PT)

Eddy Current Testing (ET)

Slide 6: Visual Testing (VT)

Explain the VT method.

Provide images or diagrams to illustrate.

Discuss its advantages and limitations.

Slide 7: Ultrasonic Testing (UT)

Explain the UT method.

Provide images or diagrams.

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Discuss its applications and limitations.

Slide 8: Radiographic Testing (RT)

Explain the RT method.

Provide images or diagrams.

Discuss when it's used and its safety considerations.

Slide 9: Magnetic Particle Testing (MT)

Explain the MT method.

Provide images or diagrams.

Discuss applications and limitations.

Slide 10: Liquid Penetrant Testing (PT)

Explain the PT method.

Provide images or diagrams.

Discuss its applications and limitations.

Slide 11: Eddy Current Testing (ET)

Explain the ET method.

Provide images or diagrams.

Discuss its applications and limitations.

Slide 12: Benefits of NDT

Highlight the advantages of using NDT methods.

Emphasize cost-effectiveness and safety.

Slide 13: Case Studies

Share real-world examples of how NDT has been used successfully in industry.

Include before-and-after images, if applicable.

Slide 14: Challenges in NDT

Discuss some of the challenges and limitations of NDT methods.

Slide 15: Future Trends

Talk about emerging technologies and trends in the field of NDT.

Slide 16: Safety and Regulations

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Discuss safety considerations and industry regulations related to NDT.

Slide 17: Conclusion

Summarize the key points.

Emphasize the critical role of NDT in ensuring structural integrity.

Slide 18: Questions and Discussion

Invite questions and engage with the audience.