€TRAINING

Painting and Coating Technology

8 - 12 September 2024
Istanbul (Turkey)

Painting and Coating Technology

REF: O1043 DATE: 8 - 12 September 2024 Venue: Istanbul (Turkey) - Fee: 6375 Euro

Introduction:

This training program is designed to equip participants with comprehensive knowledge and skills in the application, inspection, and maintenance of industrial coatings. It empowers them to implement effective painting and coating strategies that enhance surface protection and aesthetic appeal.

Program Objectives:

By the end of this program, participants will be able to:

- Understand the principles and importance of industrial painting and coating.
- Gain proficiency in selecting appropriate materials and application methods.
- Learn techniques for surface preparation and coating application.
- Develop skills in inspecting and maintaining coatings for longevity.
- Implement best practices for ensuring safety and compliance in painting operations.

Target Audience:

- Painting and coating technicians.
- Maintenance engineers and supervisors.
- Quality assurance and control personnel.
- Safety officers and compliance auditors.
- Professionals seeking to enhance their skills in painting and coating technology.

Program Outline:

Unit 1:

Fundamentals of Painting and Coating:

- Introduction to Industrial Painting and Coating.
- Types and Properties of Coating Materials.
- Functions and Benefits of Coatings.

- Regulatory Standards and Compliance.
- Key Performance Indicators KPIs for Coating Quality.

Unit 2:

Surface Preparation Techniques:

- Importance of Surface Preparation.
- Methods of Surface Cleaning and Preparation.
- Abrasive Blasting and Mechanical Cleaning.
- Chemical Cleaning and Treatment.
- Surface Profiling and Inspection.

Unit 3:

Coating Application Methods:

- Overview of Coating Application Techniques.
- Brush and Roller Application.
- Spray Application Methods.
- Electrostatic and Powder Coating Techniques.
- Curing and Drying Processes.

Unit 4:

Inspection and Quality Control:

- Inspection Criteria and Standards.
- Non-Destructive Testing NDT Methods.
- Coating Thickness Measurement.
- Adhesion and Hardness Testing.
- Documentation and Reporting.

Unit 5:

Maintenance and Repair of Coatings:

- Identifying Coating Failures and Defects.
- Repair Techniques for Damaged Coatings.
- Scheduled Maintenance Procedures.
- Environmental and Safety Considerations.
- Continuous Improvement in Coating Practices.

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