ΣΥΛΛΟΓΟΣ ΠΟΛΙΤΙΚΩΝ ΜΗΧΑΝΙΚΩΝ ΚΥΠΡΟΥ
CYPRUS ASSOCIATION OF CIVIL ENGINEERS

TÜV ACADEMY

Welding, NDT & EPFP for Structural Steel Buildings

28.11.2026 |09:00am – 15:30|TEPAK

📍Pevkios Georgiades Amphitheatre, in the A. Themistokleous Building

(6.5 hours Lecture)

Seminar overview and programme

- Understand fundamental welding principles and processes
- Minimum requirements of the fabricators
- Welding procedure Qualification WPS, Procedure Qualification records PQR
- Welders Performance Tests WPT and Competency
- Regulatory frameworks and standards
- Introduction to NDT (Non-Destructive Testing) Principles
- Main NDT Methods
    - Visual Testing
    - Magnetic particles Testing MPT
    - Ultrasonic Testing UT
    - Penetrant Testing PT
    - Radiographic Testing RT
    - Advance NDT Methods
- Documentation and reporting
- Fire dynamics and steel behaviour
- Types of PFP coatings
    - Intumescent coatings
    - Cementitious coatings
    - Board systems
- Application requirements
    - Surface preparation
    - Environmental conditions
    - Application methods
- Implementation & Quality Control
- Fire rating calculations
- Application verification methods
- inspection & Certification protocols
- Case studies and failure analysis
- Questions and answers.

Lecture timetable

Time	Duration	Activity
09:00–10:45	1 h 45 min	Session 1
10:45–11:00	15 min	Coffee break
11:00–12:30	1 h 30 min	Session 2
12:30–13:30	60 min	Lunch break & networking
13:30–15:00	1 h 30 min	Session 2
15:00–15:30	30 min	Open Q&A