

# Vocational Training in Assessment of Existing Structures

Agreement number: CZ/11/LLP-LdV/TOI/134005



# Partners of the project



P1: KI, Co-ordinator, Milan Holicky, Jana Pallierova

P2: SPSS, Associated p., Roman Gottfried, Vladislava Navarova

P3: HR, Core partner, Dimitris Diamantidis

P4: IETCC, Core partner, Peter Tanner

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# Why existing structures?

Assessment of an existing structure in many aspects differs from designing a new structure, the main differences include:

- effects of the construction process and subsequent life,
- alteration, deterioration, misuse, and other changes,
- economic and social aspects.

Two main principles of assessment are usually accepted:

1. Actual characteristics of structural materials, actions, geometric data and structural behaviour should be considered.
2. The original design documentation should be used as guidance documents only and currently valid codes for verification of structural reliability should be considered.

# The project stimulation

- Existing structures represent a huge economic asset getting larger and larger every year.
- Many existing structures do not comply with the requirements of currently valid codes.
- There is no European code for existing structures lined with Eurocodes.
- The assessment of existing structures requires knowledge beyond the scope of design codes for new structures.
- The ultimate goal is to limit construction intervention to a minimum, thus complying with the principles of sustainable development.
- Authorities, owners and engineers need guidelines how to deal with existing structures

# Main results

N	Short description of result	
1	Handbook 1 - Innovative methods for the assessment of existing structures	30.9.2012
2	Handbook 2 - Operational techniques for the assessment of existing structures	31.5.2013
3	Handbook 3 - Basis for assessment of existing structures	31.5.2013
4	Software tools for practising engineers	31.5.2013
5	E-learning	30.11.2012
6	Background materials for new Eurocode on the assessment of existing structures and ISO 13822	31.7.2012
8	Web sites	31.12.2011
10	Contributions to technical journals	30.9.2013
7	National seminars	30.9.2013
9	National short-term courses	30.9.2013

# The first meeting in Prague, 26.10.2011



P1: KI, Applicant co-ordinator, Milan Holicky

P2: SPSS, Associated p., Roman Gottfried

P3: HR, Core partner, Dimitris Diamantidis

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# The fifth meeting in Pisa

14 to 15 March 2013

Grazie tante per attenzione

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