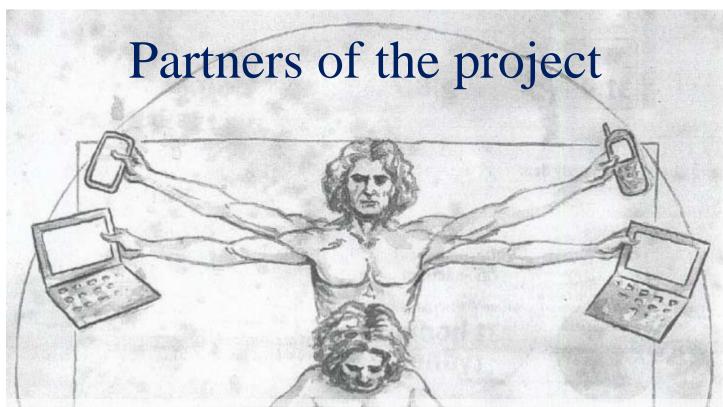




Vocational Training in Assessment of Existing Structures

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





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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



