



FASSTbridge

Fast and Efficient Methodology for Steel Bridges Life-Time Extension

D6.1 Project Media

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Glossary

Acronym	Full name
FASSTbridge	Fast and Efficient Methodology for Steel Bridges Life-Time Extension



1 Executive summary

The project FASSTbridge will develop and demonstrate a reliable preventive, cost-effective and sustainable solution for steel bridges life-time extension at a pre-failure fatigue scenario. One of the main goals of the project is to achieve market and academic awareness of the project activities and results, and pave the way for market uptake and prompt exploitation of the FASSTbridge solution and its components.

This deliverable (D6.1) presents the project media used for this project, namely, the project website, project logo, project leaflet, and Infravation newsletter.

2 Project website

A project website has been established in fasstbridge.eu to inform visitors about the project's activities and results. A snapshot of the project website is shown in Figure 1. The website contains relevant information about the project (objectives, work plan, partners, public deliverables and publications, news and events) and it will be updated at least once a month. The website also hosts a private area as document repository for the project partners.

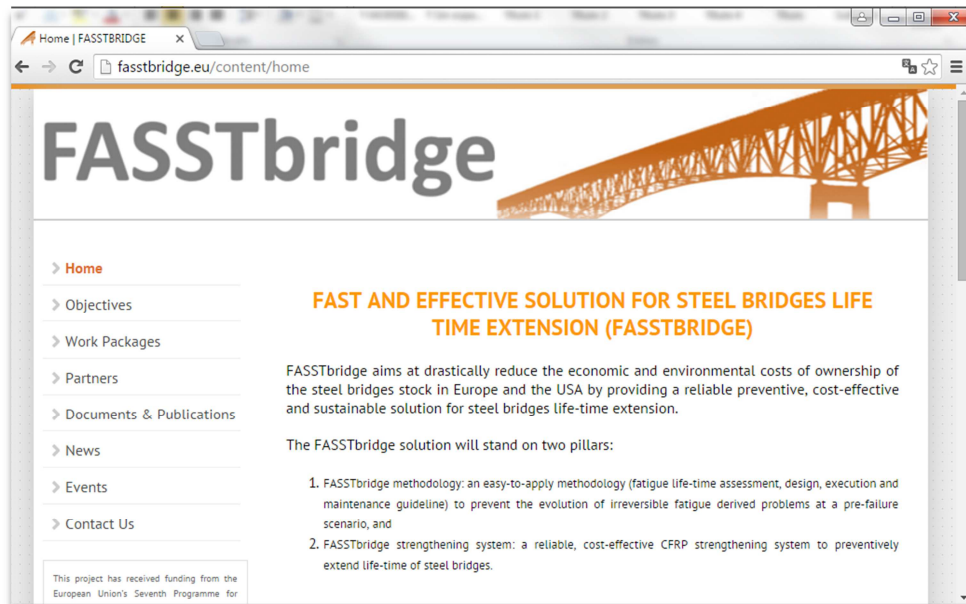


Figure 1 Project website

3 Other project media

3.1 Project logo

A logo has been developed to provide a visual identify to the project. The project logo is shown in



Figure 3. The logo has been included in the project templates presented in the Quality Assurance Plan (D1.1), and an image file has been distributed among the partners.



Figure 2 Project logo

3.2 Leaflet



A leaflet of the project has also been designed. The outside and inside faces of the leaflet are displayed in



Figure 3. 150 copies of the leaflet will be printed and distributed among the project partners for dissemination.



Figure 3 Project leaflet

FASSTBRIDGE SOLUTION	FASSTBRIDGE STRENGTHENING SYSTEM	DEMONSTRATION OF THE SOLUTION
<p>The FASSTbridge solution will stand on two pillars:</p> <p>1) FASSTbridge methodology: an easy-to-apply methodology (fatigue life-time assessment, design, execution and maintenance guidelines) to prevent the evolution of irreversible fatigue derived problems at a pre-failure scenario, and</p> <p>2) FASSTbridge strengthening system: a reliable, cost-effective CFRP strengthening system to preventively extend life-time of steel bridges.</p> <p>The preventive nature of the solution is the key to cost-effectiveness and sustainability since it will allow the timely design and implementation of innovative, competitive CFRP-based strengthening actions that will reduce the overall cost and environmental impact of life-time extension.</p> <p>FASSTbridge will define the necessary data and methodologies for the implementation of complete actual cost-benefit and life-cycle analyses of the solution.</p>	<p>FASSTbridge will develop a competitive and durable adhesive to combine with CFRP strips for fatigue strengthening of steel and composite steel bridges. The innovation of FASSTbridge will be the use of polymers, fillers and additives to improve long-term bonding and durability considering the harsh conditions caused by the application of dynamic loads and the premature ageing caused by the different aggressive environments.</p>  <p>The most suitable commercial CFRP plates will be selected according to specified technical and economical properties for an optimum product.</p> <p>The performance of the strengthening system (CFRP+adhesive) will be tested experimentally. A pre-certification plan for the adhesive and the strengthening system will be defined.</p>	<p>The FASSTbridge solution will be tested in a real composite steel bridge in Madrid. The FASSTbridge strengthening system will be designed and implemented in the bridge. The intervention will be checked in a monitored load test under real conditions. The test results will help to establish a series of technical, environmental and economical conclusions, comparing FASSTbridge to standard strengthening solutions.</p>  <p>Project Coordinator: Maria Zalbide maria.zalbide@tecnalia.com Start of the project: November 2015</p> <p>fasstbridge.eu</p>

3.3 Newsletter

The development and distribution of a project newsletter has been discarded. However, the FASSTbridge project will regularly appear in the Infravation Newsletters in order to inform relevant stakeholders and Infravation Programme of the project progress, events and relevant news. For this purpose, the FASSTbridge newsletter contents will be provided to FEHRL in a timely manner, and the Infravation newsletter will be distributed through the partners' mailing list.