

## Friday May 27: public kick-off event SUREbridge

### About the project:

SUREbridge = Sustainable Refurbishment of Existing Bridges.  
 The main aim of this project is to realize an innovative and holistic refurbishment approach (method, technology and calculation tool) using fibre reinforced polymer (FRP) materials to perform bridge maintenance including repair, strengthening and refurbishment in the most effective and efficient way, in the shortest possible time, with the most efficient, sustainable use of resources and with minimum possible disturbance and disruption for the urban environment and urban life of the inhabitants.  
 The cost of refurbishing existing concrete bridges equates to over a trillion Euros, and any savings made in this field quickly equate to billions of Euros.



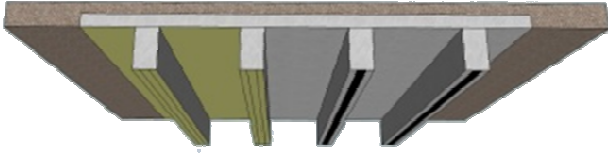


### About Infravation:

Infravation is a transnational collaboration of 11 countries and the European Commission on road infrastructure innovation. It is an ERA-NET Plus Call to support development of advanced systems, materials and techniques for road infrastructure under specific challenges.



### Draft program:

Time	Activity
09:00	<b>Meet</b> in Rotterdam at symposium location, on the 40 <sup>th</sup> floor of building 'De Rotterdam', on the riverside, at the southern end of the Erasmus bridge:  City of Rotterdam Wilhelminakade 179, 3072AP Rotterdam, the Netherlands 
09:10	<b>Welcome</b> by chairman, to all stakeholders who wish to learn or share their experience on the use of fibre reinforced polymers (composites) road-infrastructure
09:20	<b>Welcome</b> to Rotterdam – Maarten Struijvenberg, city councillor for the areas of jobs and economy 
10:00	<b>The Rotterdam approach for composites in construction: less maintenance, more slenderness</b> – City of Rotterdam – in-house engineering department
09:30	<b>Introduction to composites in infrastructure, including its do's and don'ts</b> – Jan Peeters, founder of FiberCore Europe / InfraCore Company
10:30	Break with snack, time to meet

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11:00	<p><b>The SUREbridge project</b> – Reza Haghani, Chalmers Technical University, Göteborg, Sweden</p> 
11:30	<b>Phasing, stakeholders, client demands, pilots: what is in it for you?</b>
11:45	<b>Intermediate conclusion + outlook</b>
12:15	Start of <b>FRP bridges tour by bus</b> , all travelling in one bus
	<p><b>Travel</b> to Utrecht, lunch in the bus  <b>Interactive session</b> on the acceptance of FRP in infrastructure (1)</p>
	<p>Visit the 142m <b>steel-FRP hybrid viaduct</b> across the A27 motorway near Utrecht. The deck spans between the trusses, carrying Eurocode road-loading. This hybrid bridge weighs 800t less than the original design for a concrete bridge, which could not be supported.</p> 
	<p><b>Travel</b> to Muiden  <b>Interactive session</b> on the acceptance of FRP in infrastructure (2)</p>
	<p>Visit FRP movable bridge near <b>Muiden</b>, this road bridge is so lightweight that it can be opened through hydraulic cylinders only, without the use of a counterweight. This saved costs and gives a more transparent view.</p> 
	<p><b>Travel</b> back to Rotterdam, drinks in the bus  <b>Interactive session</b> on the acceptance of FRP in infrastructure (3)</p>

Time	Activity
	<p>Visit the <b>Exercitiesingel bridge</b> and the <b>Lampionnenbrug</b> road bridge, both in Rotterdam</p> <p>Exercitiesingel-bridge: it is clamped at the abutments, this giving a 1 in 68 slenderness ratio. Its dynamic behaviour has been an integral part of the design and together with its all-FRP railings, it is probably the most innovative bridge in the city, the country, and beyond.</p>  <p>Lampionnenbrug road bridge:</p> 
17:00	In Rotterdam: drinks and <b>conclusion</b>