

SPENS (Sustainable Pavements for European New Member States)

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Period:	2006 - 2009
Coordinator:	ZAG (SLO)
Position of Ferriere Nord:	Partner
Other partners:	KTI (Hungary), VTI (Sweden), Arsenal (Austria), CVD (Czech Republic), IBIDiM (Poland), TUZA (Slovakia), FEHRL (Belgium), DDC (Slovenia), and, through FEHRL, 20 laboratories including IGH-Croatia, IP-Serbia, TKTI-Lithuania and others.

The main objective of Ferriere Nord was the dissemination of its new road technological solutions, Reflex & Granella, in the new member States involved in the Corridor 5 project and neighbouring countries (Slovenia, Hungary, Croatia, Serbia, Austria).

During this research, road pavements reinforced with electro-welded meshes were extensively studied through numerical modelling in order to improve structural engineering. Furthermore, to validate the model, a fully equipped experimental section was set up in Maribor and subject to fatigue tests (Granella + mesh).

Main publications:

- SPENS Summary Report" FEHRL 08/2009
- Presentation to the TRA (Transport Research Arena) conference in 2008 and the TRA conference in 2010

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