

Rolling layer PN MURE Canal Street. Villeurbanne (69)

by Jean-Eric Poirier / 2019-06-09 23:04:31 / France / 5708 / FR



Year of commitment : 2017
CO2 Impact : under evaluation

Sustainable mobility : Roads
Circular economy and waste management : Reuse, Preservation of natural heritage, Save of resources



344 460 €

Builder

Colas, Eiffage Infrastructures, Eurovia, FNTP (National Federation of Public Works), Malet, Roger Martin, Siorat, Roads of France (Union of the road industry in France)

Manager / Dealer

Lyon metropolis

GENERAL INFORMATION

The national project MURE aims to demonstrate the feasibility of recycling at high rates (40%) - or very high rate (70%) if the conditions of the site are suitable - and warm asphalt aggregates, as well as the concept multirecyclability of asphalt. In this context a **demonstration site has been realized rue du canal in**

Villeurbanne . The demonstration site represents 4 cycles of maintenance of the rolling layer, that is forty years of service.

Progress Status

Delivered

Data Reliability

Self-declared

Funding Type

Public/Private Partnership

Website Enterprise / Infrastructure

<https://www.pnmure.fr/>

Sustainable Development

Attractiveness :

The MURE project is a sector research project. It brought together, from 2014 to 2018, 35 partners with activities related to the design, construction and management of infrastructures: building owners, engineering firms, construction companies, industrialists, research organizations. Its purpose is to change the practices in terms of reuse of pavement materials.

Well Being :

The objective of the MURE project is to address the issues of asphalt aggregate recycling and to provide reasoned and quantified response elements to make multi-recycling in warm asphalt an industrial process.

Thus, the operators setting up these mixes are less subject to the constraints of implementation of hot mixes (steam, extreme heat, etc.).

For project owners and builders, the project's interest is that, in the long run, fewer trucks will be on the roads and therefore fewer GHG emissions.

Social Cohesion :

The road is the first social network!

Preservation / Environmental Improvement :

The national collaborative research project MURE (Multi-Recycling of Warm Mixed Asphalt) makes it possible to demonstrate, on the basis of laboratory and real-site experimentation, the relevance of recycling, multi-recycling and lowering processes. manufacturing bituminous mixes constituting pavements. This is an important contribution to reducing the environmental impact of road infrastructure, whether under construction or renovation.

Resilience :

Responsible use of resources :

The MURE project will make it possible to increase the recovery rates of deconstruction materials from road construction sites and thus to save natural aggregates and bitumen resources that come from the distillation of petroleum.

Testimony / Feedback

The MURE project primarily concerns the project owners who are responsible for the maintenance of their infrastructure and the management of secondary materials resulting from maintenance operations.

The video reports the testimonies of some of the project partners. The text (pdf file) reports the point of view of Lyon metropolis which contributed to the realization of the first site including all planned recycling cycles.

Governance

IREX

Holder Type : Consortium of companies

Colas, Eiffage Infrastructures, Eurovia, FNTP (National Federation of Public Works), Malet, Roger Martin, Siorat, Roads of France (Union of the road industry in France)

Builder Type : Construction Industry

Lyon metropolis

Manager / Dealer Type : Public

To succeed in this collaborative MURE project, the Steering Committee paid great attention to the quality of governance, the transparency of results, and the weighting in drawing conclusions.

Each state working group piloted by a tandem private partner / public partner

Business Model :

Sustainable Solutions

Recycling and multirecycling of bituminous mixes (MURE)

Description :

This is to anchor the maintenance of road infrastructure in a sustainable circular economy mode. The collaborative research project between representatives of all parties involved in the construction and maintenance of roads, roads and highways aims to demonstrate the multirecyclability of bituminous mixes. Demonstrate that asphalt can be recycled a large number of times while maintaining the high level of infrastructure use and improving the contribution of this maintenance to the results of the voluntary agreement commitment.

- Resources :
- Infrastructure
- Waste management

<https://www.pnmure.fr/>

Company (es) Website :



IREX

@irex_institut

9 rue de Berri 75008 PARIS -

<http://www.irex.asso.fr>



Company (es) Website :



Arts Scènes et Cie

Company (es) Website :

Photo credit

@pnmure

Contest

Reasons for participating in the competition(s)

A full-scale demonstrator accompanied by numerous scientific studies to perpetuate the know-how. 4 sections on the same site that mimics 4 maintenance steps or 40 years of service. The objective is to demonstrate the multi-recyclability of asphalt mixes

Building candidate in the category



Grand Prix Infrastructure Durable





Prix du public



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