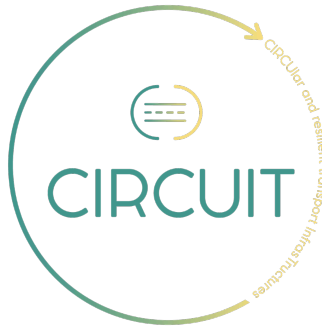




CIRCUIT 3rd Newsletter: Advancing Circular and Resilient Road Infrastructure

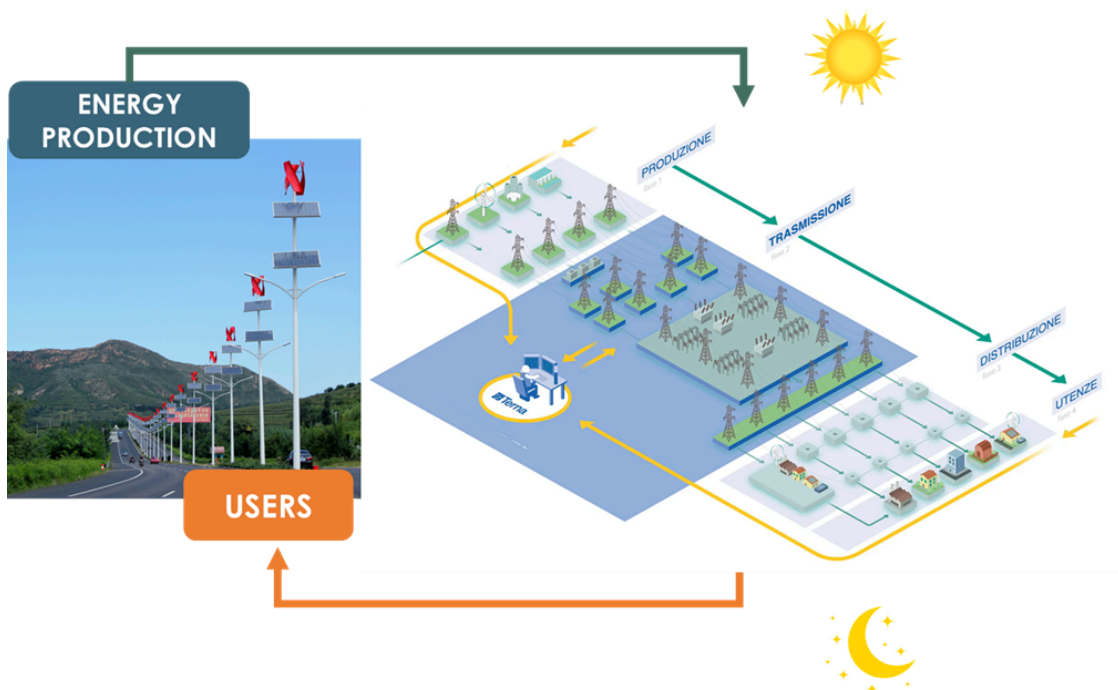
The CIRCUIT Project continues to gain momentum across Europe and beyond, showcasing concrete solutions for **circular, resilient and low-carbon road infrastructure**.

From high-level discussions at the **17th World Congress on Road Winter Service, Resilience and Decarbonisation** organised by World Road Association (PIARC), to tangible results across our pilot sites, the project is actively contributing to the transformation of the road construction sector.

In this edition, discover our latest activities, technological developments and international outreach.

CIRCUIT project updates

Italian Pilot - Moving into Operational Phase



The CIRCUIT Project is delivering concrete results in Italy, where pilot activities are now entering the operational phase.

With the support of CIRCUIT, **ANAS S.p.A.** has initiated the deployment of innovative solutions across several strategic locations, including the Rome ring road (A90), the Rome–Fiumicino motorway (A91), and tunnel infrastructures in Emilia-Romagna along the SS 63.

A key development is the installation of advanced sensor systems that monitor traffic, weather conditions and luminance levels in real time. This data enables adaptive tunnel lighting, dynamically adjusting to actual conditions to ensure safety while significantly reducing energy consumption.

At the same time, CIRCUIT is supporting the implementation of **circular and sustainable construction solutions**. This includes the use of innovative low-noise pavements, evaluated through a multi-criteria framework that considers acoustic performance, durability, safety, cost-efficiency and environmental impact.

In parallel, the reuse of **end-of-life tyres (ELT)** in road infrastructure—developed through collaboration between ANAS and Cisambiente—demonstrates how waste materials can be transformed into valuable resources. These solutions contribute to improved acoustic comfort, enhanced durability and better material traceability across the infrastructure lifecycle.

Together, these initiatives illustrate how CIRCUIT combines **digitalisation, circular economy principles and innovative materials** to deliver more efficient, sustainable and resilient road infrastructure systems.

[READ MORE](#)

Recognition for CIRCUIT Partner on World Engineering Day



On the occasion of **World Engineering Day**, CIRCUIT partner Uberbinder was recognised as an official partner of the initiative led by UNESCO.

This recognition highlights Uberbinder's contribution to advancing low-carbon asphalt technologies and rethinking how road infrastructure can be designed and constructed to reduce emissions.

Such innovations are essential to achieving the objectives of the CIRCUIT project and supporting the broader transition towards a more sustainable construction sector.

[Learn more about the technology](#)

EVENTS & PROJECT OUTREACH

CIRCUIT at PIARC 2026



CIRCUIT was featured on March 10, 2026 at the **17th World Congress on Road Winter Service, Resilience and Decarbonisation**, organised by World Road Association (PIARC) in Chambéry, France.

The session titled “Holistic approach to foster circular and resilient road and transport infrastructures” brought together experts from research, industry and academia to explore how integrated approaches can support the transformation of transport systems.

Moderated by **Thierry Goger** from Forum of European National Highway Research Laboratories (FEHRL), the session featured contributions from:

- Irina Stipanovic (Infra Plan)
- Carlos Martin-Portugues Montoliu (Acciona)
- Kenneth Gavin (INGEO)
- Gerardo Flintsch (Virginia Tech Transportation Institute (VTTI))

The discussion highlighted the importance of combining digital tools, innovative materials and lifecycle-based methodologies.

Key topics included the role of digitalisation in enabling circular infrastructure management, the development of low-carbon solutions for transport infrastructure, and the integration of sustainability and resilience into decision-making processes

[MORE INFO](#)

CIRCUIT Presented at IRF Global R2T Conference & Exhibition in Los Angeles



On December 11, 2025, CIRCUIT was presented at the R2T Conference organised by International Road Federation (IRF Global) in Long Beach, California, a key international event bringing together stakeholders to discuss the future of transport infrastructure.

During a technical session focused on climate-driven innovations, **Thierry Goger** introduced CIRCUIT's approach to supporting the transition towards **circular and climate-resilient road infrastructure**.

The presentation highlighted how CIRCUIT combines:

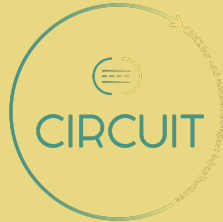
- innovative materials

- digital tools
- lifecycle-based methodologies

to enable more sustainable and resource-efficient infrastructure systems.

It also emphasised the importance of integrating circular economy principles into infrastructure design, construction and maintenance, in order to reduce environmental impact while ensuring long-term performance and resilience.

The conference provided a valuable opportunity to showcase CIRCUIT to an international audience and to engage with global stakeholders working on similar challenges related to **sustainability, climate adaptation and infrastructure innovation**.



hellocircuitproject@gmail.com

[CIRCUIT WEBSITE](#)



FEHRL | 35 Square de Meeûs | Brussels, 1000 BE

[Unsubscribe](#) | [Update Profile](#) | [Constant Contact Data Notice](#)



Try email & social marketing for free!