



The logo for Safe4RAIL, featuring the text "Safe4RAIL" in a green and blue font, with a blue and white checkered pattern below it, all set against a background of a blue and white perspective view of a train track.

Revisiting Innotrans Demonstrator

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Safe4RAIL – SAFE architecture for Robust distributed Application Integration in rolling stock (730830)

CONNECTA – CONTRIBUTING TO SHIFT2RAIL'S NEXT GENERATION OF HIGH CAPABLE AND SAFE TCMS AND BRAKES (730539)

Motivation

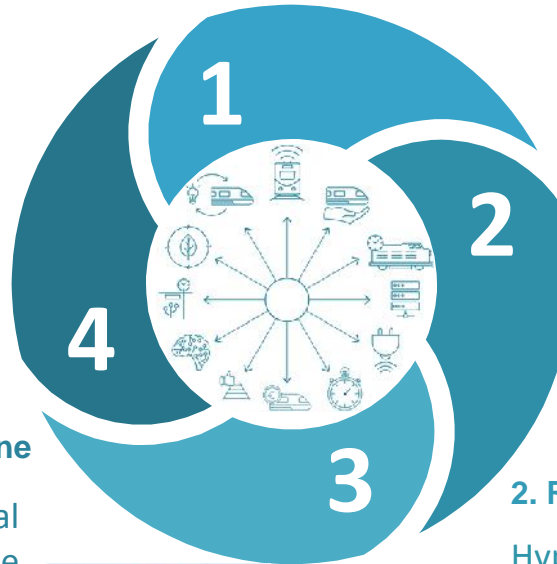
4. Railways must be connected and digitalised

New technologies in the fields of communications and computing must be deployed. New functions are required. TCMS is one of the key the future.



3. Railway to remain as backbone

Fully integrated in the intermodal transport system, and key player of the mobility-as-a-service paradigm. New operational concepts are required.



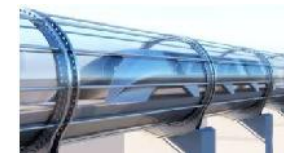
1. Other transport means are becoming more appealing

Electric/hybrid cars and buses, cleaner airplanes, electric bikes and personal mobile devices



2. Rail is old fashioned

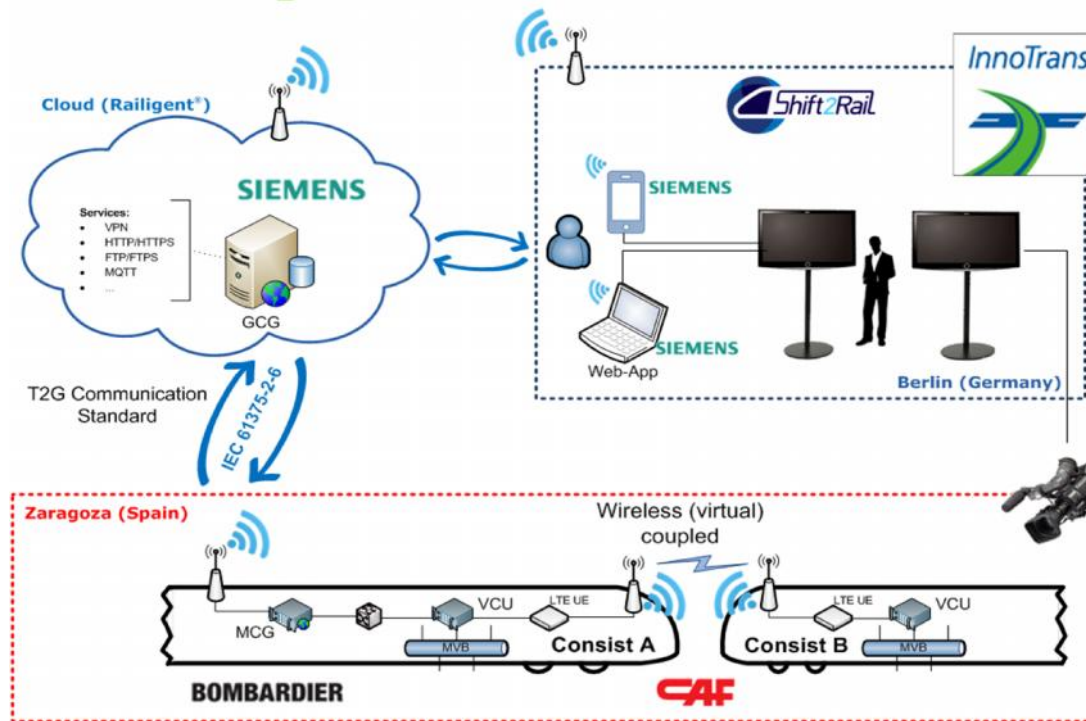
Hyperloop effect, new mobility concepts like car sharing or truck platooning



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General Layout of Connected Trams



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Video

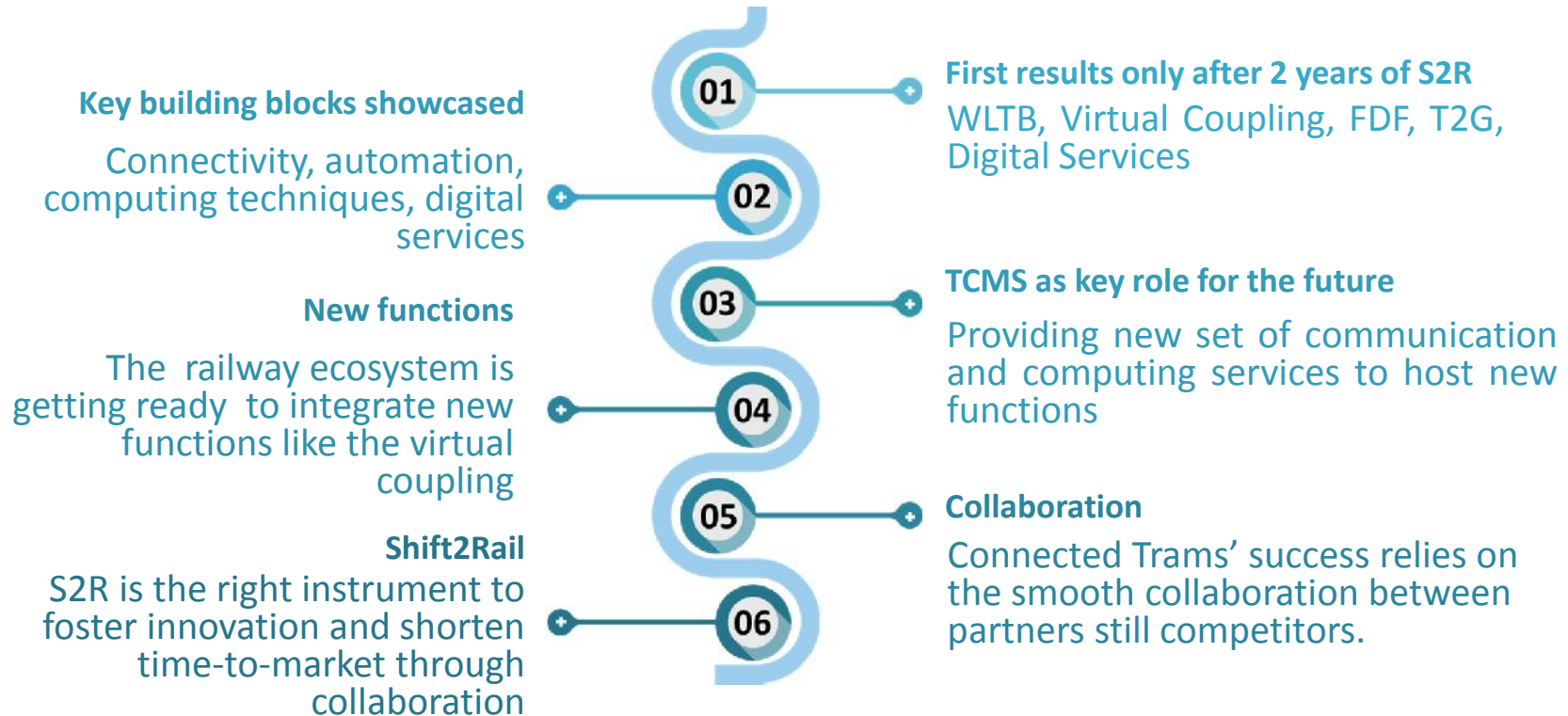
CONNECTED TRAMS in action

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Conclusions



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