



INTERNATIONAL UNION
OF RAILWAYS

UIC DIGITAL PLATFORM

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Introduction

- Share best practices with members
- Open project for members
- Thanks to its global positioning, UIC is able to connect members to worldwide network where new facilities, partners and testing environment will be provided to them
- Build and develop a community at the service of Railways

Upcoming events

UIC Digital Conference - 15 December 2020

UIC Digital Awards 2020 - Call for candidates



DIGIM Programme

DIGIM I

Clear Station

- A POC designed and successfully tested to use digital solutions to assist blind passengers to move autonomously and safely at railway stations.

Connected Level Crossing (Phase 1)

- A POC to optimise the closing time of level crossings, was designed and successfully tested in Canada.

DIGIM II

Connected Level Crossing (Phase 2)

- An on-going project aims at improving safety at level crossings.
- a POC is being designed and simulated in 3DEXPERIENCE software in partnership with Dassault Systems.

DIGIM III

Blockchain as a Service

- Based on the successful POC “Blockchain as a Service” presented in the 2018 Global Rail Freight Conference.
- The aim of the DIGIM 3 is to face the challenges in freight transport by the union of Smart Contract and Blockchain technology and to test the technology on an EU-Asia pilot basis.

A review of the 1st UIC African Rail Digital Summit

UIC organised the 1st African Rail Digital Summit in Cape Town from 25 – 27 February 2019.

This summit, focused on the various aspects and the importance of the digital transformation of railways, The major outputs were the followings:

- Implementation of an African Digital backbone in deploying fibre optic cable along the railway network
- Creation of an African digital platform to provide facilities for all African rail actors to share and exchange on all digital rail initiatives and projects.
- Define and design standards for the African continent to ensure real connectivity and interoperability.
- Ensure transition to support continuous digital changes with a view to scalable implementation
- Promote joint training

All these objectives will feed both the UIC strategic vision 2040 as well as the UIC Digital Progress Paper and will be sustained by UIC dedicated working bodies





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Thank you for your attention.