



Electromagnetic compatibility

Aerodynamics

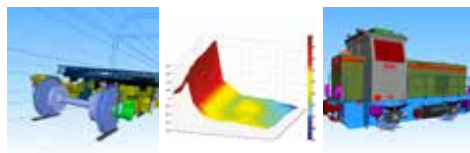
Dynamic behaviour

Passenger evacuation

Ballast

Track constituents

**Digital simulation:
your innovative
test solution**



DIGITAL SIMULATION

To meet our clients' needs and cater to the challenges of rail sector innovation and modernisation, Eurailtest* is now offering digital simulation services in addition to its portfolio of physical tests.

On the strength of more than 15 years of experience and well-honed skills in the field of tests on the line and in the laboratory, our test engineers and experts are now able to include digital simulations, where appropriate, in your test campaigns.

Digital simulation targets infrastructure managers, rolling stock and infrastructure manufacturers and original equipment manufacturers, for both design and type approval.

It is an application-driven innovation with the potential to boost the performance of all types of rail system.

**Eurailtest, EIG established in 1999, to market the test and consultancy services of the laboratories of its founder members, RATP and SNCF.*

Objectives

- Optimisation of line or laboratory tests:
 - Digital simulation offers a means of reducing physical test configurations.
 - Using physical test data to extrapolate digital simulation test results and configurations.
- Study, validation or type approval of rolling stock or infrastructure functionalities during the design phase.

Resources

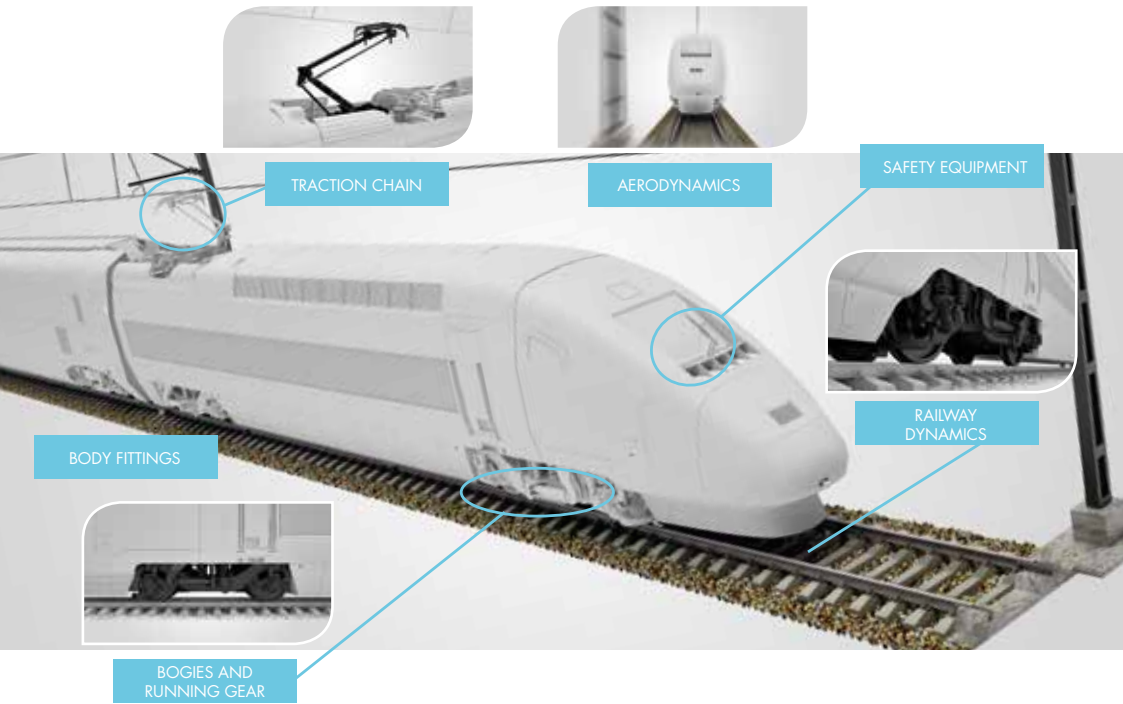
- Some fifteen digital simulation experts.
- Some twenty different software solutions for rolling stock.
- Some dozen different software solutions for infrastructure.

Practical examples

Simulation	Projet	Client
Pantograph/OCL interaction	Regio 2N	Bombardier
Simulation of pantograph in 'frost' mode	NTV	Alstom
Simulation of train running adrift in relation to its brake equipment status	Mont Cenis Tunnel	SNCF Réseau
EMC impact study	SEA (South European Atlantic HSL)	COSEA
EMC impact study	CNM (Nimes & Montpellier bypass)	OC'VIA

For further information: contact@eurailtest.com

Digital simulation for rolling stock

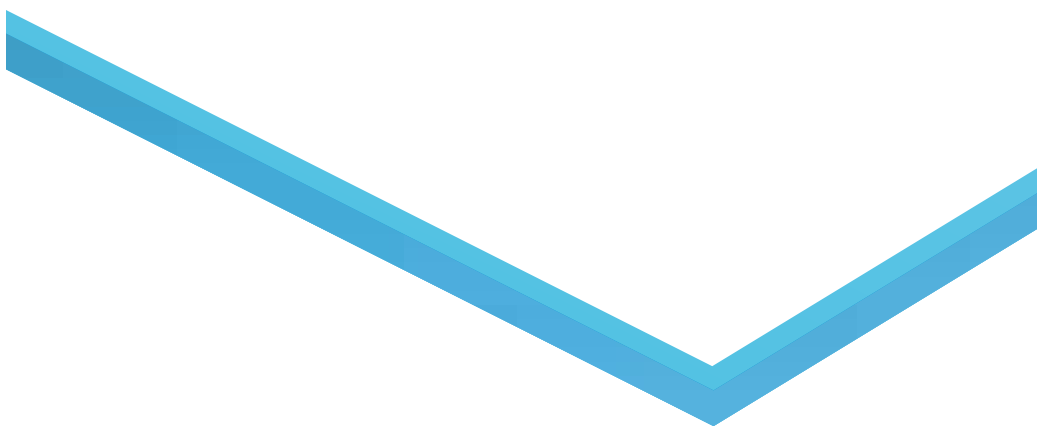


Digital simulation for infrastructure

Sectors

Track components





Création cmm.fr

Eurailtest,
one of the most **complete offer in the world**
for rail **testing** and **engineering**

Crédit Impôt Recherche Agreement



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