



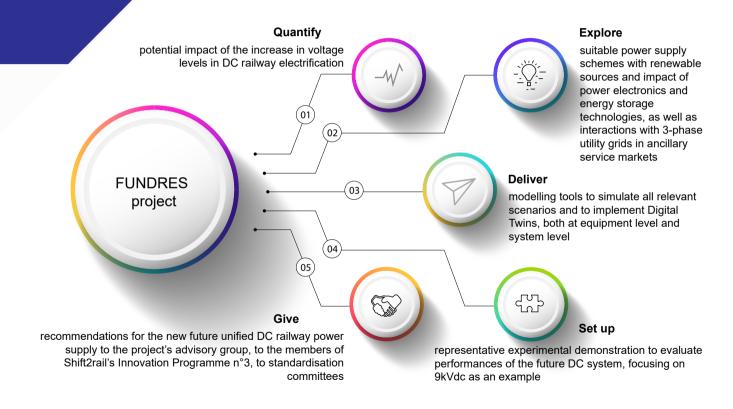


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# Main objectives



## Know-How of FUNDRES

■WP1 ■WP2 ■WP3 ■WP4 ■WP5

#### UIC

- End users communication, strategy and competitiveness
- Railway sector

#### **LAPLACE**

- Multilevel converters for high voltage and high power applications
- Implementation of SiC devices in power converters
- In-depth knowledge in power converters for railways



#### LAPLACE as coordinator

- Management of complex projects
- Experience/coordination of H2020 projects
- Collaborative research at European level

#### EPFL

- Medium voltage power electronics
- Direct current systems
- Solid state transformers
- Design optimisation, Magnetics
- Wide band-gap devices

#### **POLIMI**

- Consolidated experience in Railway and Power System sectors in engineering academic courses
- Many research projects with Industries and Railway Operators



### **Contact**

**Project coordinator:** 

Mr. Philippe LADOUX – LAPLACE ladoux@laplace.univ-tlse.fr

**Dissemination:** 

Ms. Christine HASSOUN – UIC hassoun@uic.org