FAST TO BUILD +

SAFE 🕇

+ RELIABLE

+ LOW-ENERGY

+ GHG EMISSION-FREE

CABLE

TRANSPORTATION

+

FEASIBILITY STUDIES

OUT OF TRAFFIC +

LOW LAND FOOTPRINT +

HIGH CAPACITY +



THE FEASIBILITY STUDY: A CRUCIAL STAGE

Within a few weeks, we provide you with the support you need to present the programme, costs and timeframe of your operation to your institutional partners.

YOUR PARTNER **THROUGH TO** COMMISSIONING

Egis will then support and advise you throughout the design and build process, carrying out detailed studies, issuing the invitation to tender and negotiating with suppliers and builders, supervising the work of building consortia, all the way through to system commissioning.

EGIS **URBAN TRANSPORT** CREDENTIALS **IN FIGURES**

50 years of experience

100 1,500 km of cable km of metro transport lines and LRT lines

SYSTEMS

> Benchmark of technologies and suppliers > Capacity, speed and operating conditions

- > System performance requirements > Reliability, maintainability, safety
- > Sizing of stations and pylons



URBAN STUDIES AND RIDERSHIP ANALYSIS

- > Analysis of current mobility, geotechnical, topographical, land and environmental issues
- > Transport planning strategy
- > From initial demand assessment to accurate estimations using modelling techniques
- > Establishment of project's objectives



- > Number and location of stations
- > Vertical alignments
- > Route alignment / System suitability
- > Multi-criteria analysis



- > CAPEX and OPEX assessments
- > Social and economic impact assessments
- > Identification of land acquisition
- > Financial studies
- > Procurement strategy
- > Administrative timeframe and procedures





- > Functional design
- > Accessibility

OUR

ASSETS

- > Interchanges with other transport modes
- > Integration in urban context
- > Architectural guidelines
- > 3D simulations, landscape views

TOTAL INDEPENDENCE

Our shareholder structure allows us total freedom to offer you the solution best suited to your needs







COMMUNICATION **FEATURES**

- > To help decision making and promote project acceptability
- > Augmented reality: an emerging technology incorporating project items into existing settings
- > Virtual reality: headset and goggles for full immersion inside the project
- > 3D printing and production of scale models

CONTINUOUS INNOVATION

We use the latest technologies to leverage your communication

INTEGRATED ENGINEERING CULTURE

Engineers, urban planners, architects economist...all complementary skills within the same team







Egis Business Unit Rail Concept studies and innovation Department

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