



EIC Multicorporate Day on ConTech – Ferrovial's Challenges

As part of the EIC Multicorporate Day on ConTech initiative, Ferrovial is specifically looking for innovative solutions in the following domains:

Challenge 1 – Solutions that help mitigate the environmental impact of construction, along the whole value chain

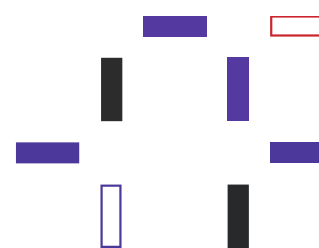
- Decarbonisation: carbon capture, utilisation & storage
- Circular business models
- CDE waste & recycling
- Alternative fuels & new energy sources
- Sustainable materials
- Sustainable products libraries & LCA
- Water conservation
- Environmental damage mitigation

Challenge 2 – Solutions that target any element of the construction supply chain bringing innovation and making logistics and transactions faster and better

- Procurement platforms
- Materials & resources marketplaces (labour, equipment or materials)
- Logistic tools & material tracking
- Fleet management & dispatching
- Delivery & last-mile platforms
- Inventory management & onsite handling

Challenge 3 – Solutions that aim to digitise all processes in a construction project offering higher productivity, safety, and improvement

- Project design & budgeting
- Geotechnical analysis
- Project bidding
- Specification: material & processes





- Planning & scheduling
- Project monitoring & control
- Document management
- H&S compliance & mitigation
- Risk management
- Project Quality
- Finance & credit solutions
- Asset management & maintenance

Challenge 4 – New ways of building using new technologies and materials, the future of urbanisation and new buildings

- 3D printing & additive manufacturing
- Industrialised & automatised process (offsite, modular, precast, rebar...)
- Robotics & machine-assisted applications
- Optimisation of material manufacturing (mixes, coatings, binders, etc)
- Smart cities & buildings

