

Construction of the new industrial building for Alstom in Santa Perpetua, Barcelona.



Use of 160,6 Tn reclaimed timber, for the track connections to the new workshop, enabling trains to run from the building to the factory's test tracks and to the stabling area.



Side tracks or service tracks carry less load and operate at lower speeds than main tracks, so the reclaimed track **is suitable and safe** for these purposes.



Reusing the track reduces the need to produce new steel, **thereby minimising the carbon footprint and environmental impact of the rail project.**

Extension of the Puebla de San Julián bypass, forming part of the new Ourense–Monforte de Lemos–Lugo high-speed rail line.



Filled with **5.000 m²** on plots of land near the construction site to make better use of them and thus prevent them from **flooding in winter.**



Flooding causes serious adverse effects, including soil erosion, loss of nutrients and contamination by pathogens or chemicals.



Furthermore, they cause the soil to become waterlogged, which reduces the stability of structures and encourages the growth of mould and disease.

Construction of the Ibaizabal bicycle lane section: Erletxes-Larrabetzu



**Bioenvironmental improvement of
topsoil to be used for site restoration
by incorporating shredded tree
material from felled trees**



Reduction of CO₂
emissions, due to the
transport of tree residues



Improved water retention
capacity, aeration and nutrient
supply, preventing soil erosion

Extension of the M1 line of the Palma de Mallorca metro to Parc Bit



30.000 m³

Reuse of waste from site excavation for backfilling the backfill of the walls

5.200 m³ EcoÁrido



Reducing demand for natural resources



Reduction of CO₂ emissions



Reduction
Construction waste
management

Construction of a building for tertiary use in the Port of Pasaia



**Reuse of recycled aggregates for
the base of the foundation slab and
external backfill of the basement
walls of the building**



The recycled aggregate comes from a recovery plant with Factory Production Control Certificate of Conformity



In addition to concrete found in the excavation site itself, analysed and subsequently crushed on site

New promenade in the northern area of the Port of Sagunto



4.170,18 m³

Demolished concrete reused to raise the new seafront promenade's grade levels



Reduction of natural resources
used on the site itself



Reduction of waste managed in
landfills

Building of the new facilities for customs, tax and surveillance services in Las Palmas



96 %

Reducing the cost of excavation of the site

Thanks to the modification of the implementation procedure after several soil tests and the report of the estimator and geologist



Reduction of natural resources used on site and reduction of the carbon footprint of the transport of excavated earth



Reduction of the execution time of the work

New rail link between Évora Norte and Elvas / Caia, Portugal



3.000 m³

Rocks from the dismantling of the track reused for landscape restoration



Reduction of carbon footprint
due to transport of new
material and waste



Landscape restoration of
the rivers affected by the
construction site

Modernisation of the Minho Line, Portugal



4.330 Tn Reused ballast

**Delivered to local authorities
for the construction of a
sports complex**



Reduction of waste managed in
landfills



Contributing to more sustainable
communities

Modernisation of the Beira Alta line, Portugal



92.002 Tn Reused ballast

Delivered to local authorities for road and drainage improvement works



Reduction of natural resources used in local works and on the site itself



Strengthening stakeholder relations