



EUSKALDUNA JAUREGIA
BILBAO
23-24 /02 /2015

**GOI MAILAKO
PRESTAZIOKO TRENBIDE
LINEEN USTIAPENA**

**LA EXPLOTACIÓN DE
LÍNEAS DE FERROCARRIL
DE ALTAS PRESTACIONES**

**THE OPERATION OF
HIGH PERFORMANCE
RAILWAY LINES**

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**EUSKOTRENEN ERRONKAK EUSKADIKO TRENBIDE PANORAMA
BERRIAREN AINTZINEAN**

**LOS RETOS DE EUSKOTREN ANTE EL NUEVO PANORAMA FERROVIARIO DE
EUSKADI**

**THE CHALLENGES OF EUSKOTREN REGARDING THE NEW RAILWAY
SCENARIO IN THE BASQUE COUNTRY**



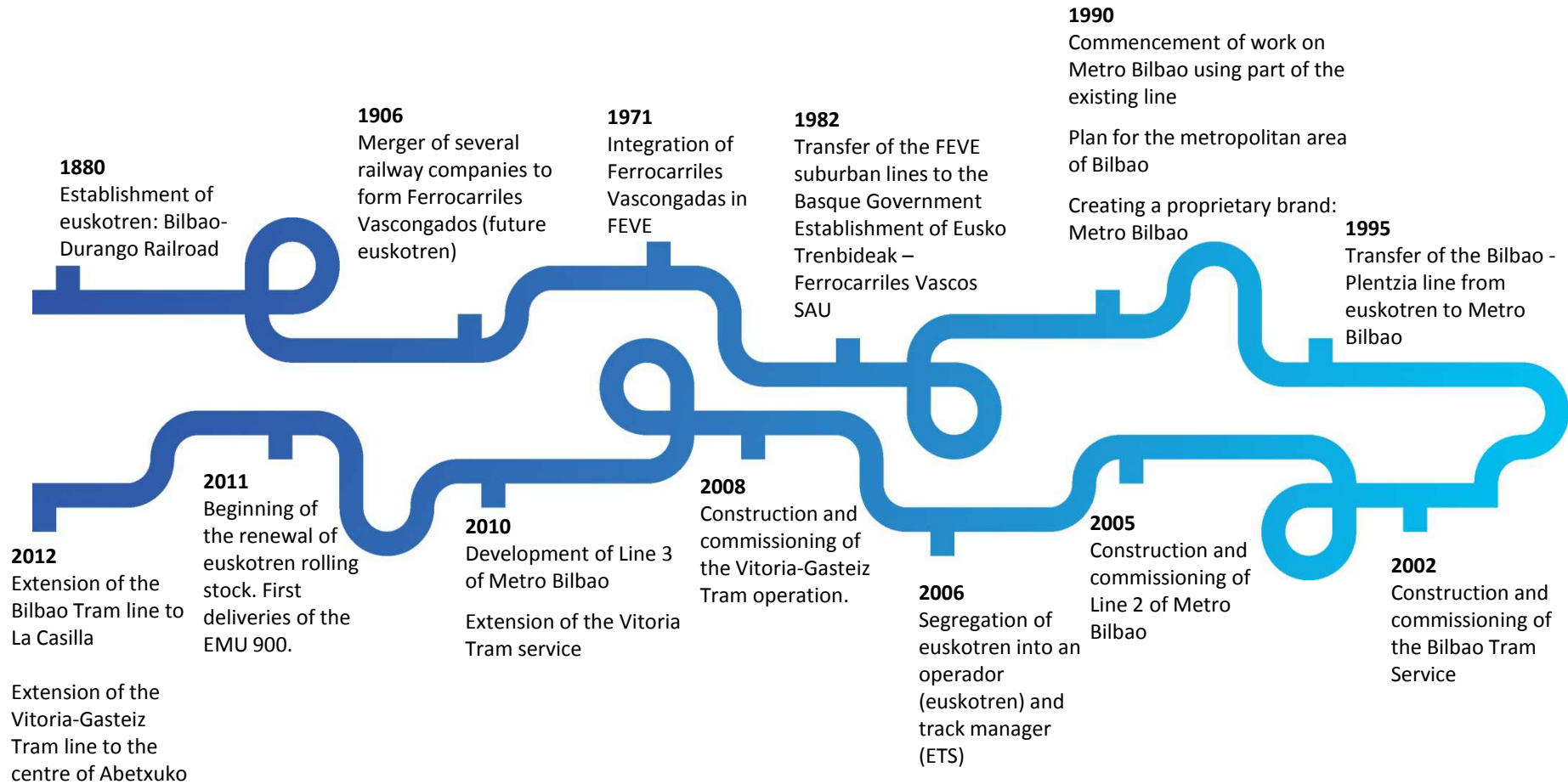
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Short trip around the history of euskotren

Milestones

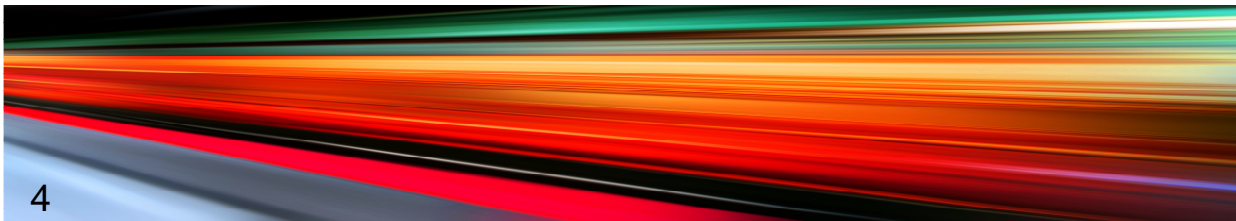
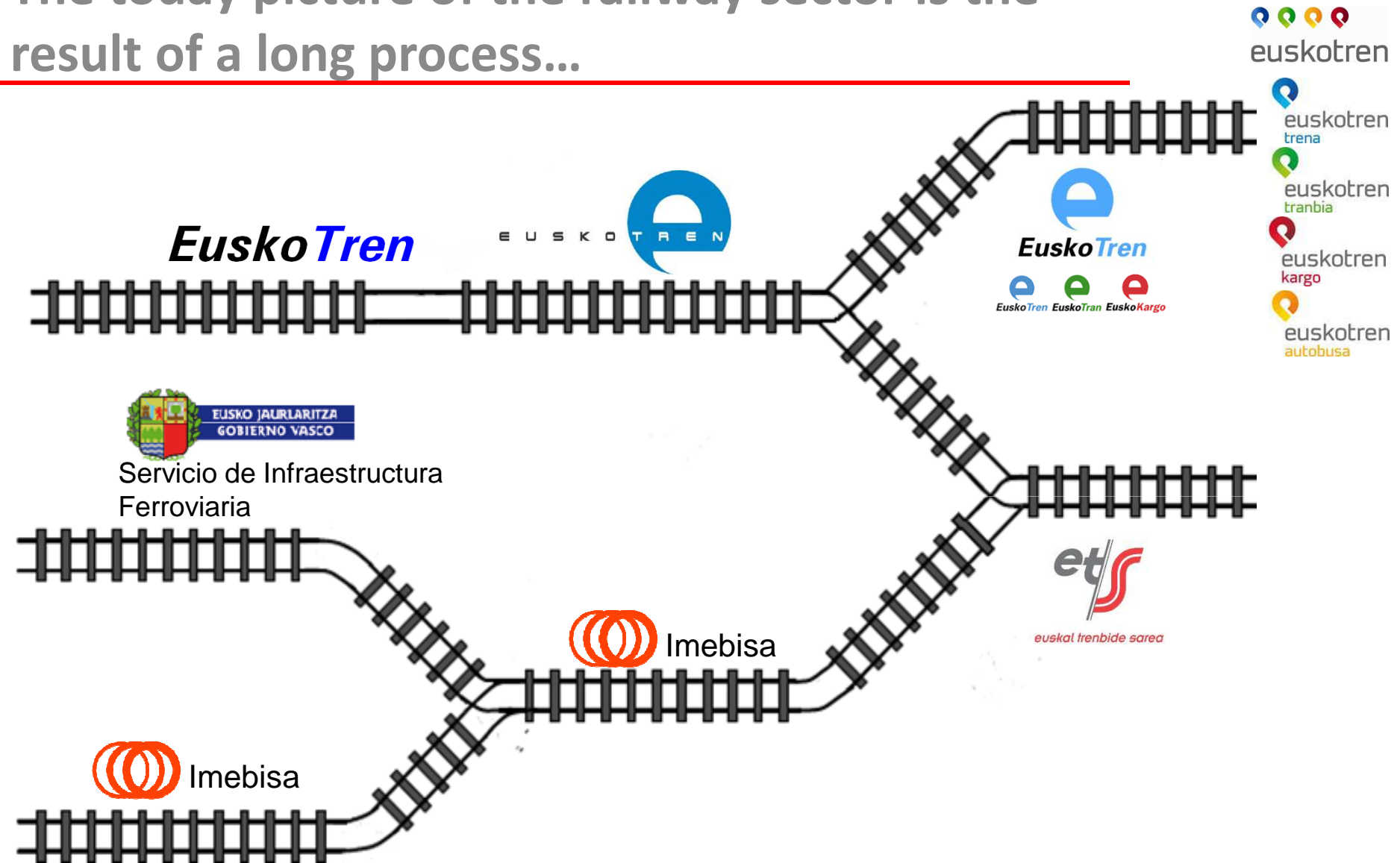


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The today picture of the railway sector is the result of a long process...



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Today, euskotren operates passenger railways (and cable car), buses, trams and freight



euskotren



euskotren
trena

- Euskotren's metric gauge railway lines connect the Basque Country
- The lines, over 100 years old, have been modernised and, in the near future, ostensible improvements are expected: double lines, the new Donostialdea Metro service, new units...



euskotren
tranbia

- With the collapse of traffic in cities and growing environmental concerns, euskotren has developed its urban tram services in Bilbao and Vitoria, becoming, in the latter, the main means of transport in the city



euskotren
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- Services on behalf of the Provincial Councils of Bizkaia and Gipuzkoa in relation to certain bus concessions
- euskotren road activities are intended as an addition to the railway lines with a view to providing citizens with a comprehensive service



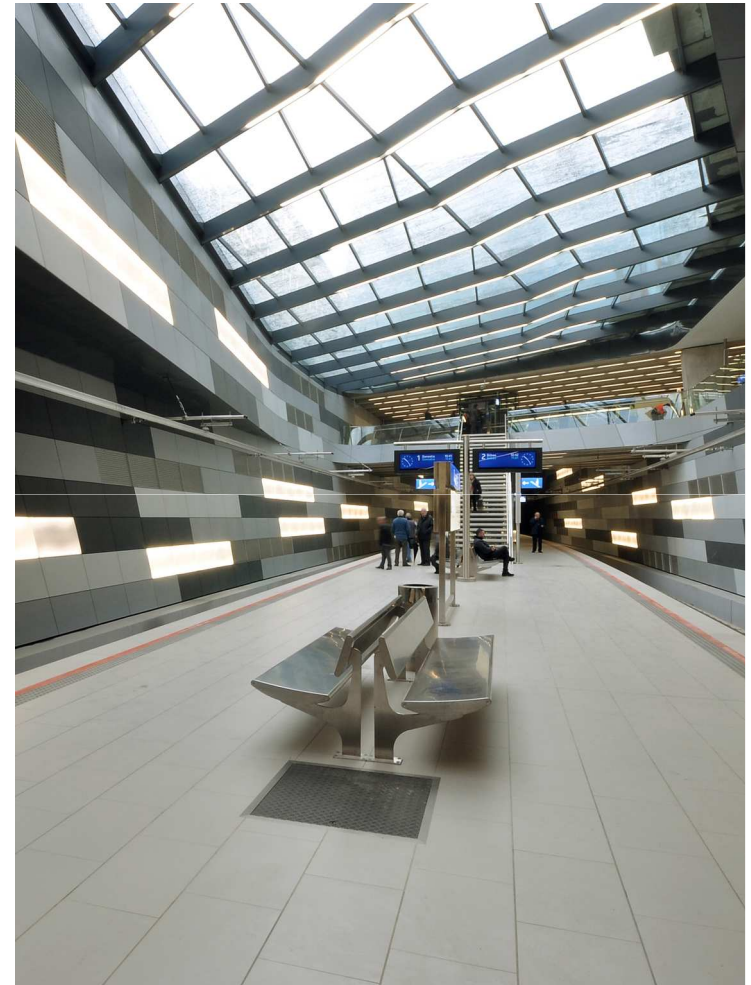
euskotren
kargo

- The concern for cost efficiency, road safety and Environmental Protection encourage businesses and the government to seek alternatives to transporting freight by road

Urban & Suburban Railway



* No of lines:	4
* km of lines:	187
* Stations:	78
* Drivers:	185
* No of trains:	75
* Passengers/year:	15.576.099
** Train.km/year:	4.465.319
* No of services/year:	175.589



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In last 30 years the Basque railway system has undergone a complete transformation process



...this is how it looks like in the present day. The modernization has been adapted and has followed the mobility necessities of the population



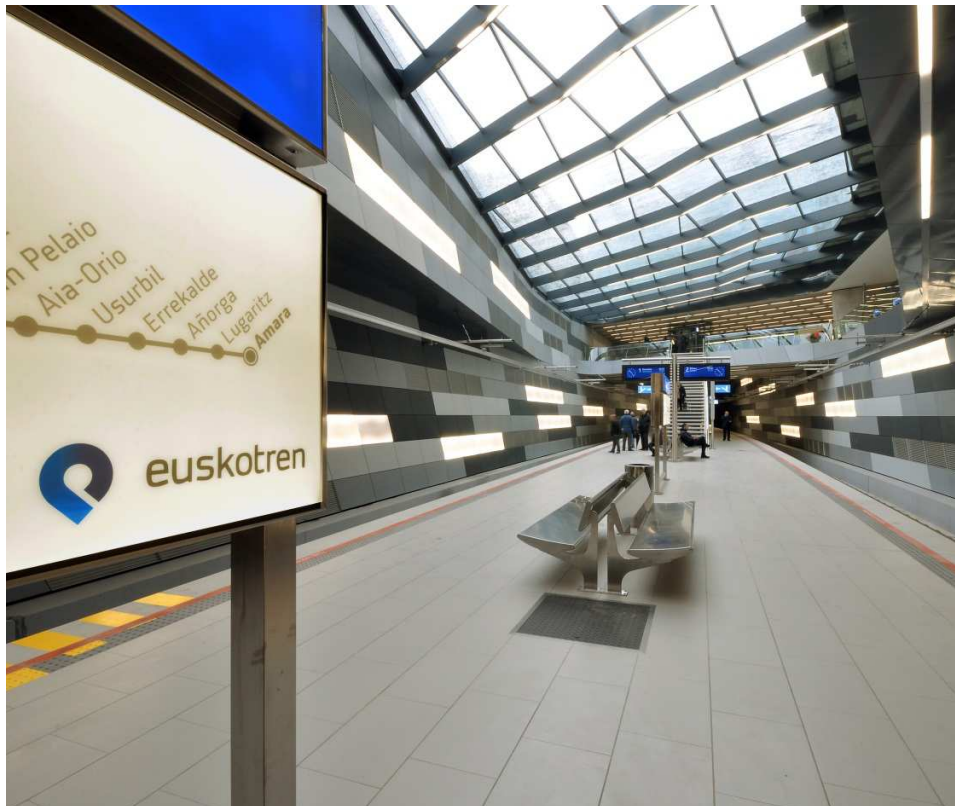
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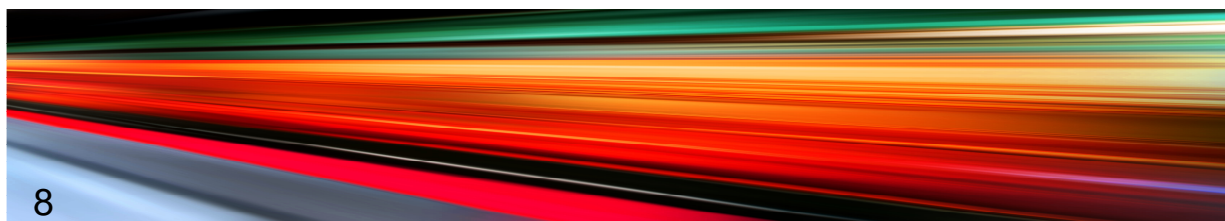
**THE OPERATION OF
HIGH PERFORMANCE RAILWAY LINES**

The new railway service wants to to make the rail trip a emotional experience to be repeated

Based on perceived quality and comfort by our customers...



...taking care of every detail in stations and in trains



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Euskotren transports freight to help industry competitiveness and environment protection

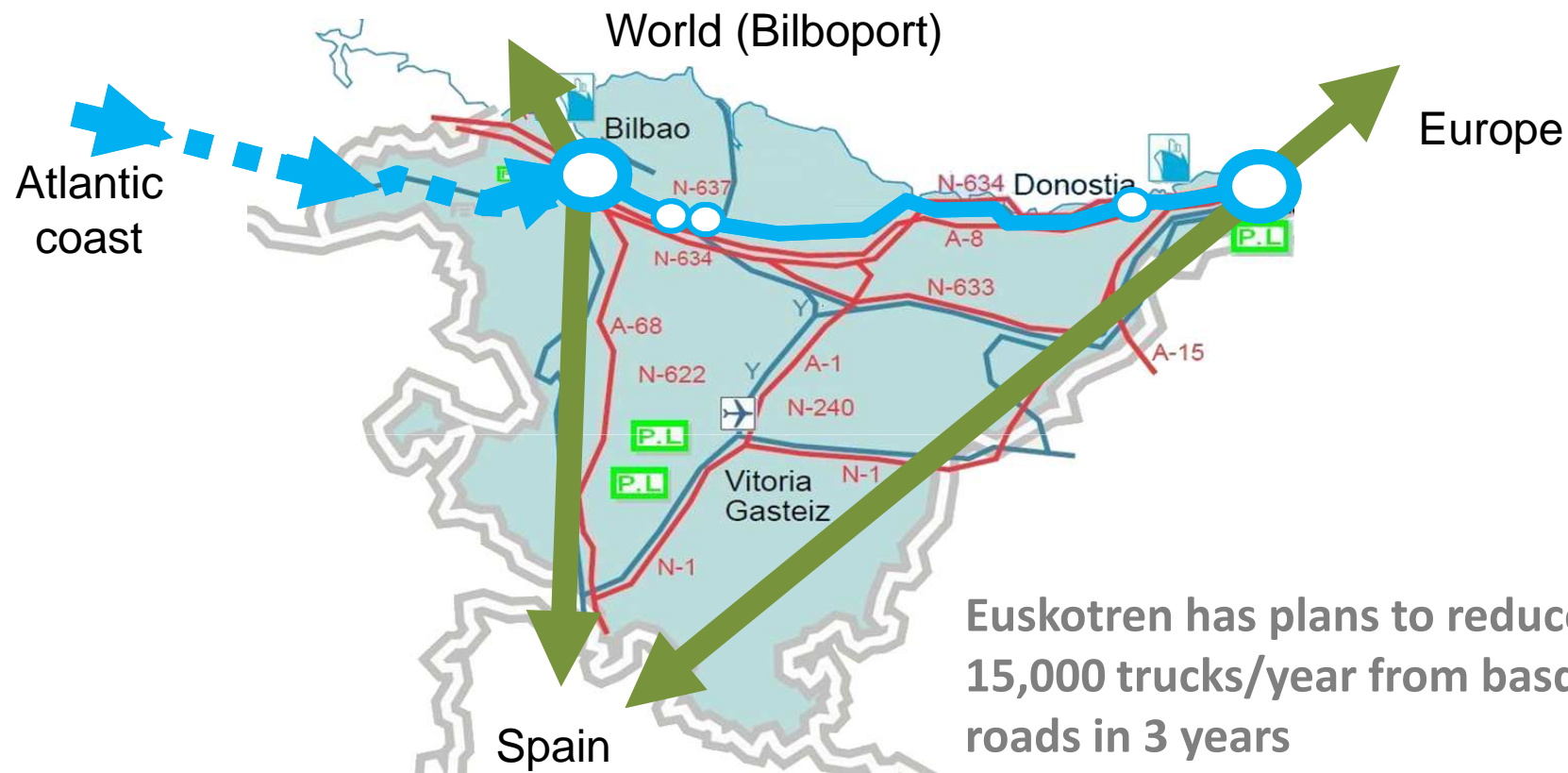


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Euskotren plans to connect his rail network to both french and spanish national rail networks



Euskotren has plans to reduce 15,000 trucks/year from basque roads in 3 years
More than 300,000 tm/year / 15 million of tm.km

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Along its history, euskotren has had a small but top-of-the-notch rolling stock park



It has been the first of his class to introduce several technological innovations: electrical units, euroloop ATP, efficient driving...

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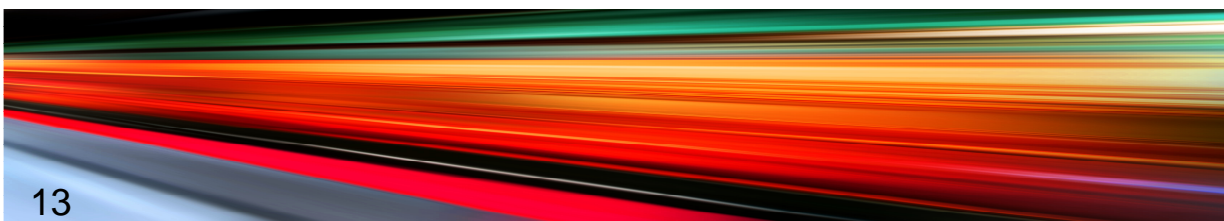
**LA EXPLOTACIÓN DE LÍNEAS DE
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**THE OPERATION OF
HIGH PERFORMANCE RAILWAY LINES**

The new rolling stock have been designed to transmit quality, comfort, amplitude, cleaning...



to let travellers think they are premiering the train everyday of the year



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TREN BIDE LINEEN USTIAPENA**

**LA EXPLOTACIÓN DE LÍNEAS DE
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**THE OPERATION OF
HIGH PERFORMANCE RAILWAY LINES**

The new train that will be used by euskotren is based on high level design criteria



- 📍 Obsession for Safety
- 📍 Obligation to offer total Accessibility: ramps for people with limited mobility, acoustic and visual signals for people with impaired hearing and sight
- 📍 Ensure Sustainability (energy efficiency, lower GHG emissions, sustainable manufacturing processes...)
- 📍 Need to comply with the Ergonomics at Work
- 📍 Design criteria: Technology and Innovation, Modernity , Customer orientation, Ease of Maintenance and Operations
- 📍 Kinematic Register, GPS train positioning, Use of new standards (Ethernet, fibre optics, digitized cockpit, driving aids...)
- 📍 Internal and external cameras to improve safety for all
- 📍 Air-conditioned carriages for the comfort of passengers



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Euskotren has 30 state-of-the-art 4-car-EMUs
by 2015 and has ordered 28 new 3-car-EMUs



In 2019 all the rolling stock of euskotren will have less than 7 years



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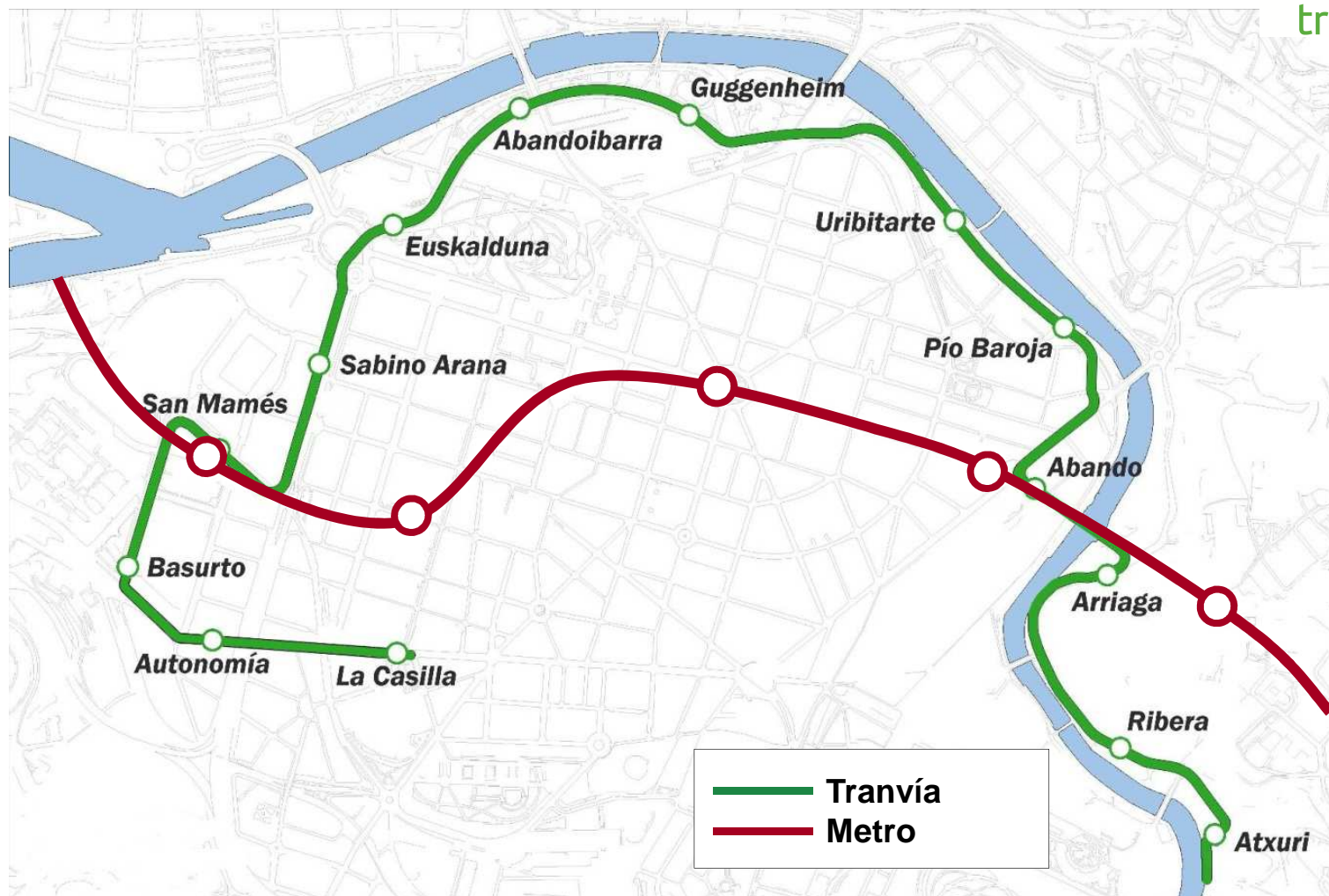


euskotren
tranbia

* No of lines:	3
* km of lines:	13,5
* Stations:	34
* Drivers:	91
* No of trains:	19
* Passengers/year:	10.399.175
** Train.km/year:	824.870
* No of services/year:	158.582



Bilbao Tram service was designed as complementary to the Bilbao Underground

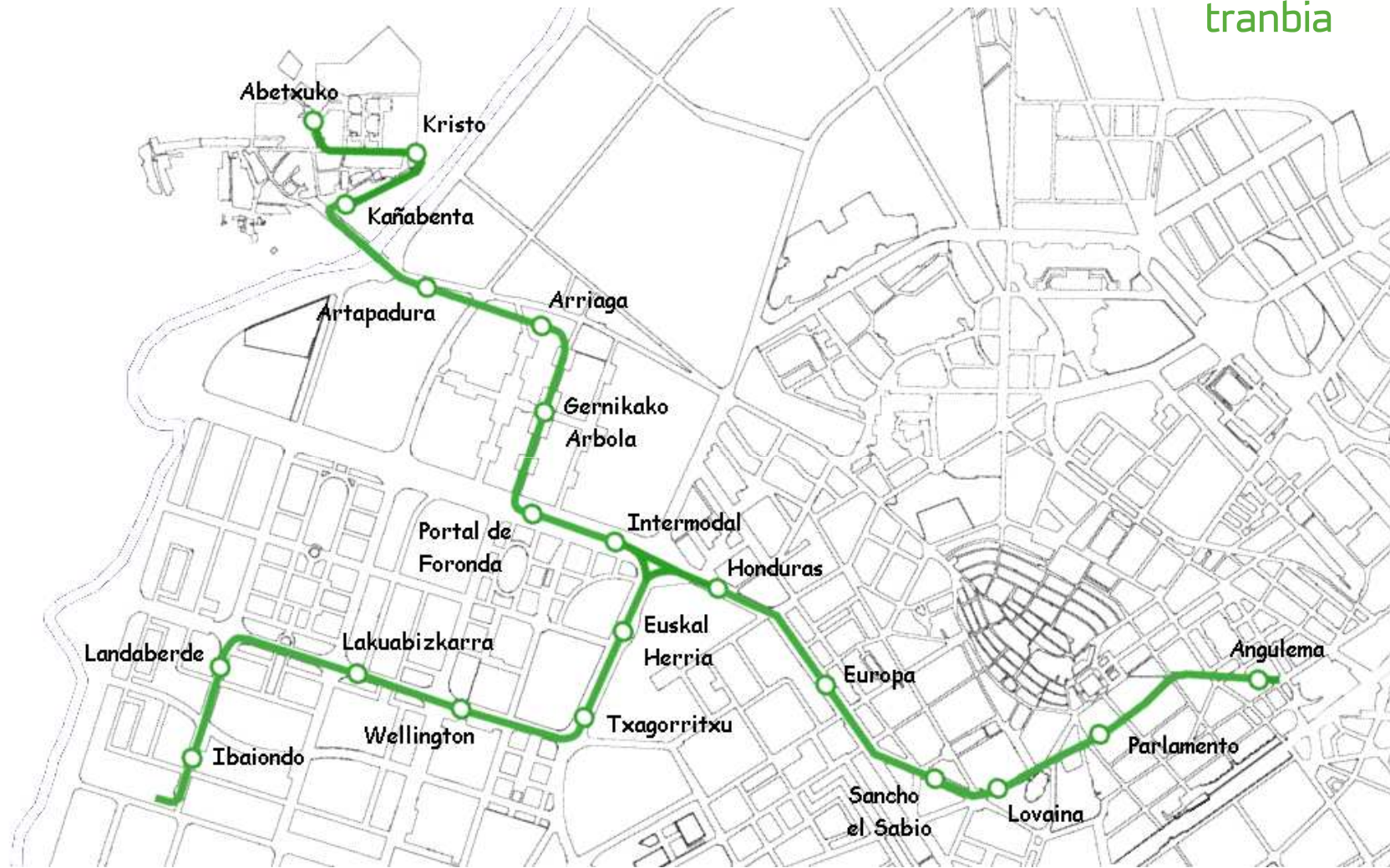


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The tram of Vitoria is the city's high capacity, high frequency and reliable transport system



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Bus System



euskotren
autobusa

* No of lines:	25
* km of lines:	987
* Stations:	710
* Drivers:	210
* No of trains:	87
* Passengers/year:	5.432.983
** Train.km/year:	4.979.755
* No of services/year:	330.273



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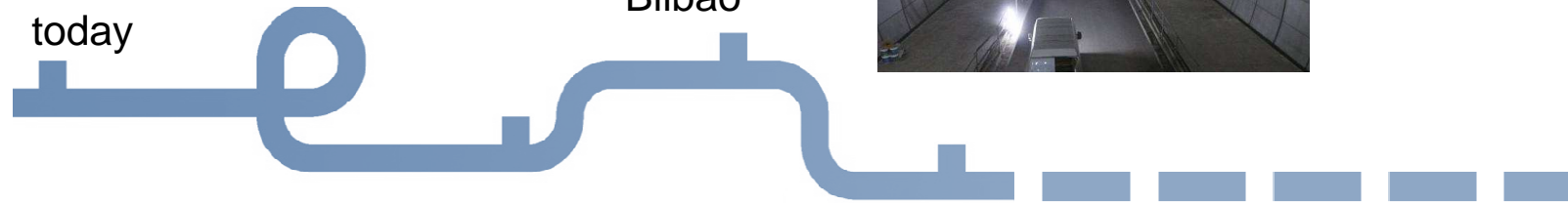
**LA EXPLOTACIÓN DE LÍNEAS DE
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**THE OPERATION OF
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Euskotren future ambition is already defined



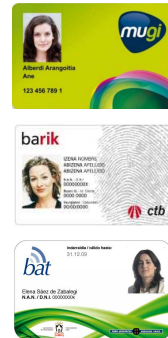
Euskotren today



Line 3 of Metro Bilbao



Interoperability



Basque Intercities in HSR line



It comes from its past mission: to be the Basque Mobility Operator for all basque citizens in all basque geography

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**THE OPERATION OF
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Basque Country consists of 3 Historical Territories with 3 different Transport Authorities



Each Transport Authority has the capacity to regulate transport policies in each territory which collects all the incomes and pays operators



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In 2015 the three cards will be available on Euskotren rail services



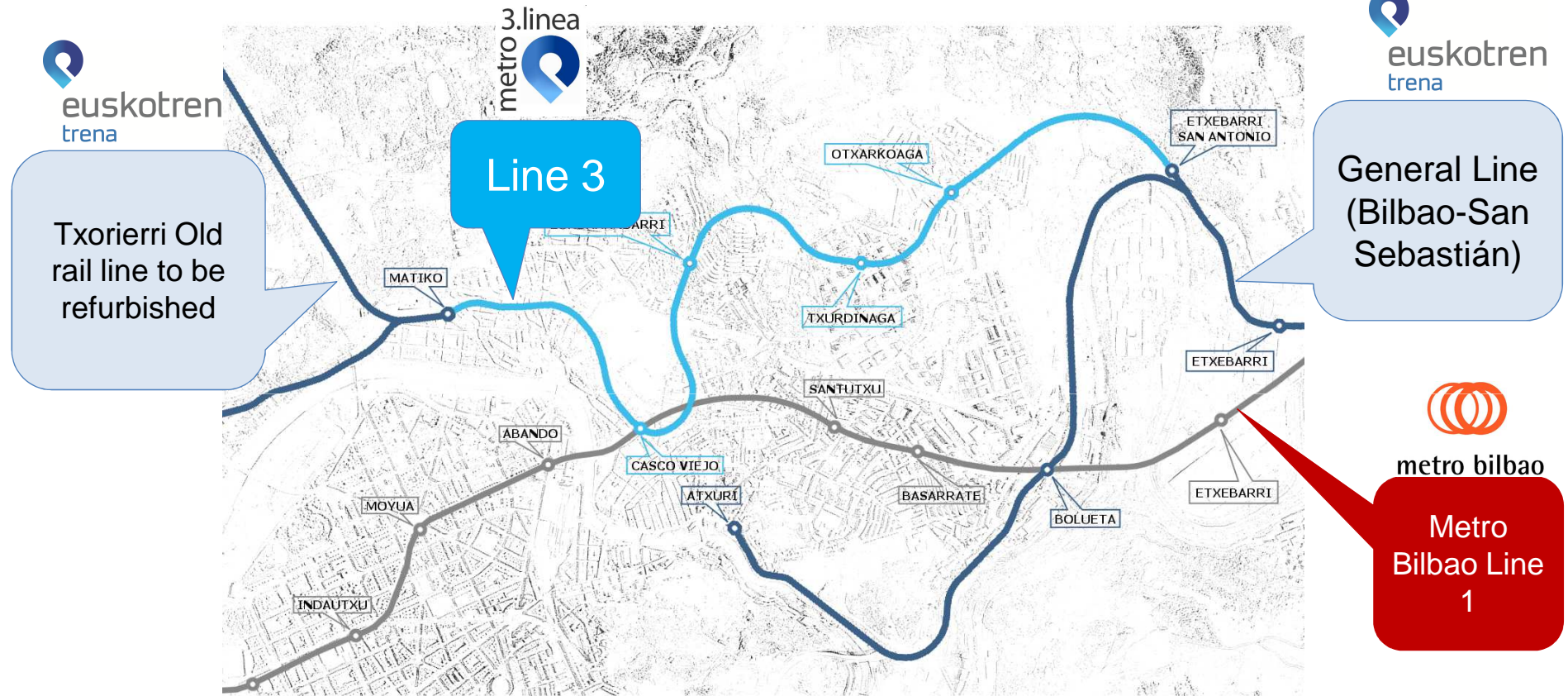
All three smart cards will be inter-operable

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Line 3 will give mobility to high neighborhoods of Bilbao



Line 3 is the result of 7 years of inversion and 250 millions of EUR
It will be operative in Q3 2016

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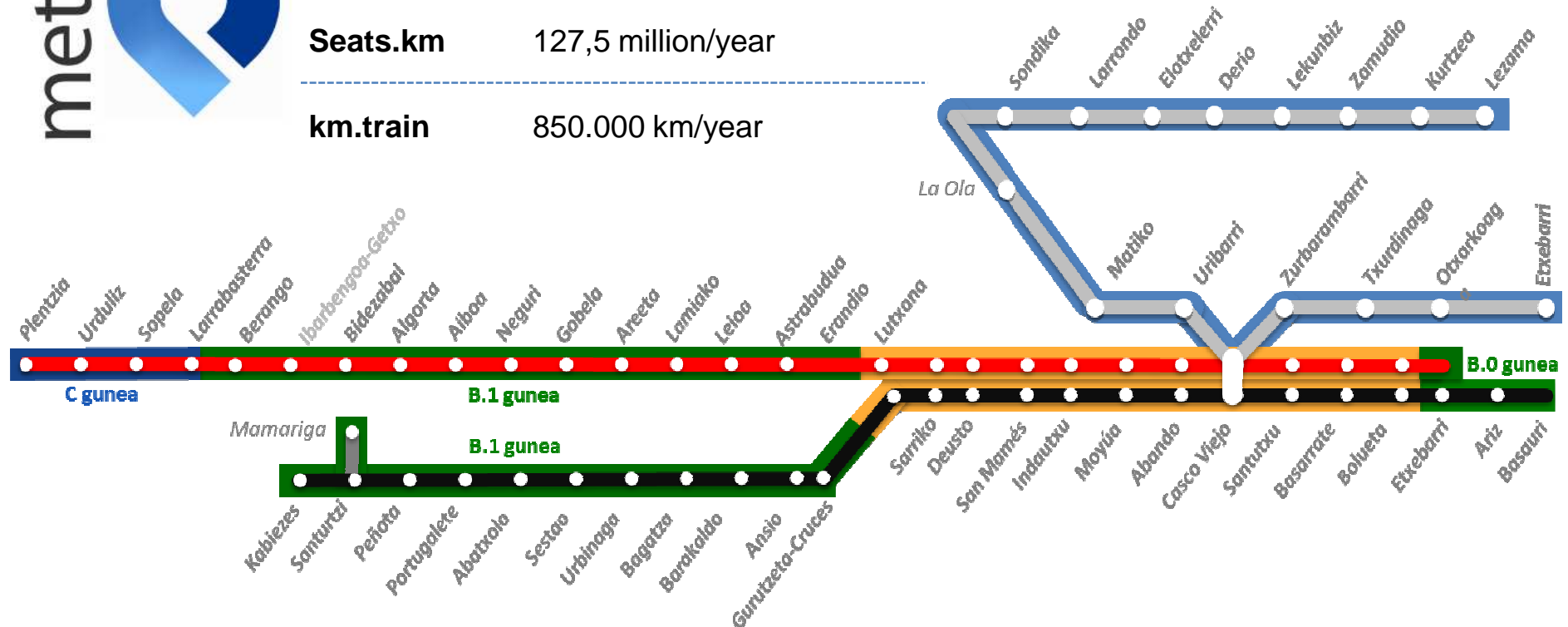
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THE OPERATION OF
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Line 3 will behave like a metro line with an extension in both ends as a regional line

metro 3.linea

Frecuencias	7,5' in L3 15' and 30' in regional line
Passengers estimated	11 million/year
Seats.km	127,5 million/year
km.train	850.000 km/year



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THE OPERATION OF HIGH PERFORMANCE RAILWAY LINES

Line 3 will have 6 new underground stations and the rest 10 will be re-styled

The new stations will meet the same design standards as the award winning design of Metro Bilbao...



... and the re-styled stations will undergo a complete revision (accessibility aspects enhanced)

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The future of the transportation in the Basque Country is defined by the new HSR line

The new HSR line is a challenging infrastructure for the Basque Country as well as a part of the TEN-T Corridor 4 Core Network



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The goal for euskotren is to offer his historical intercity service in new HSR line



The new HSR opens new transportation opportunities to Euskotren

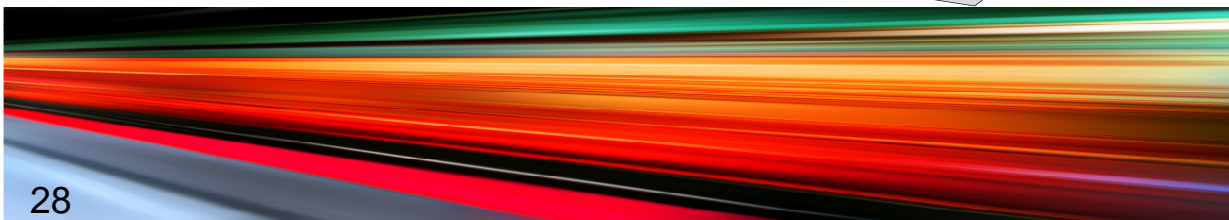
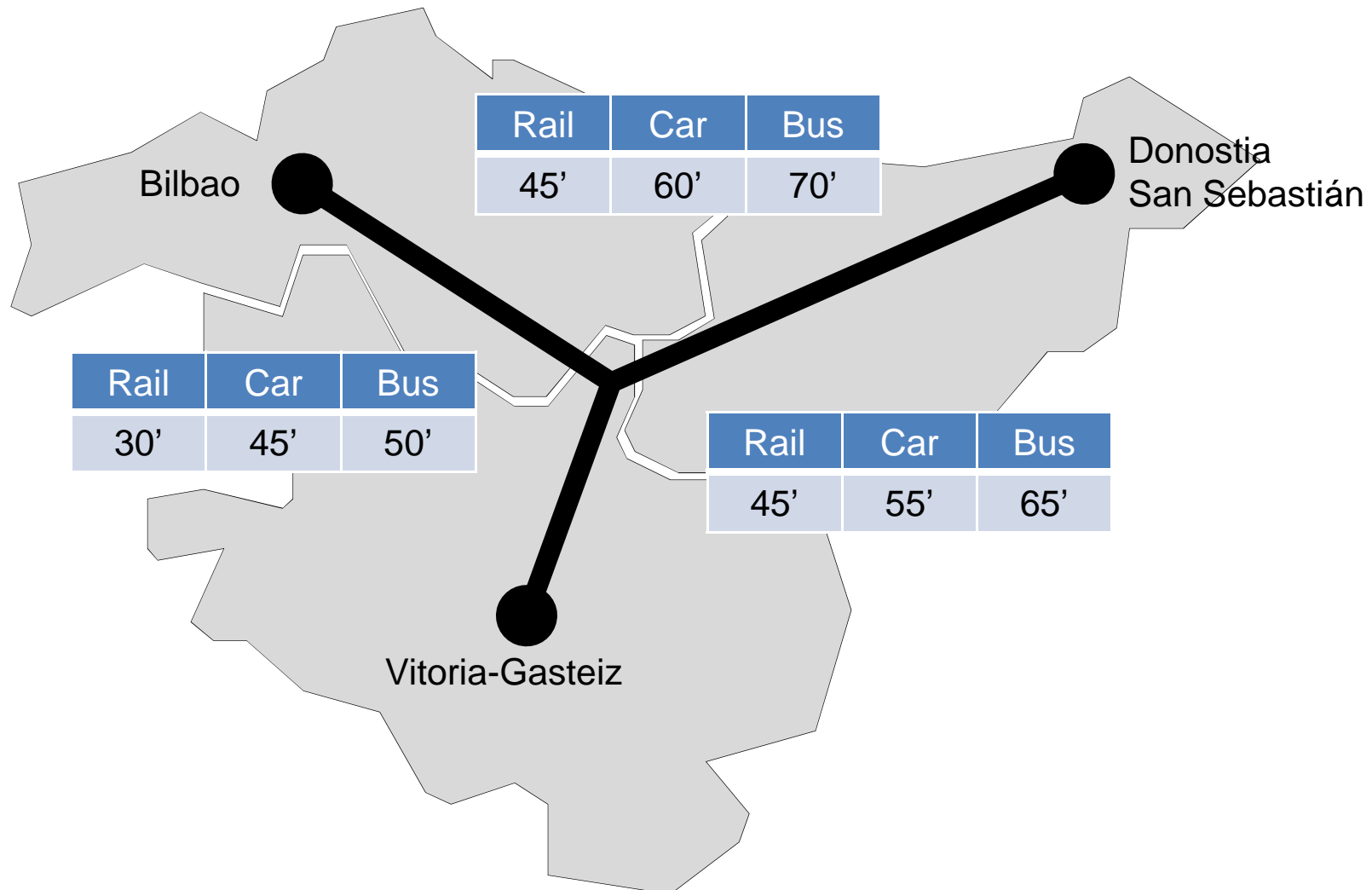


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Euskotren will offer a faster, safer, more comfortable, predictable transport than road

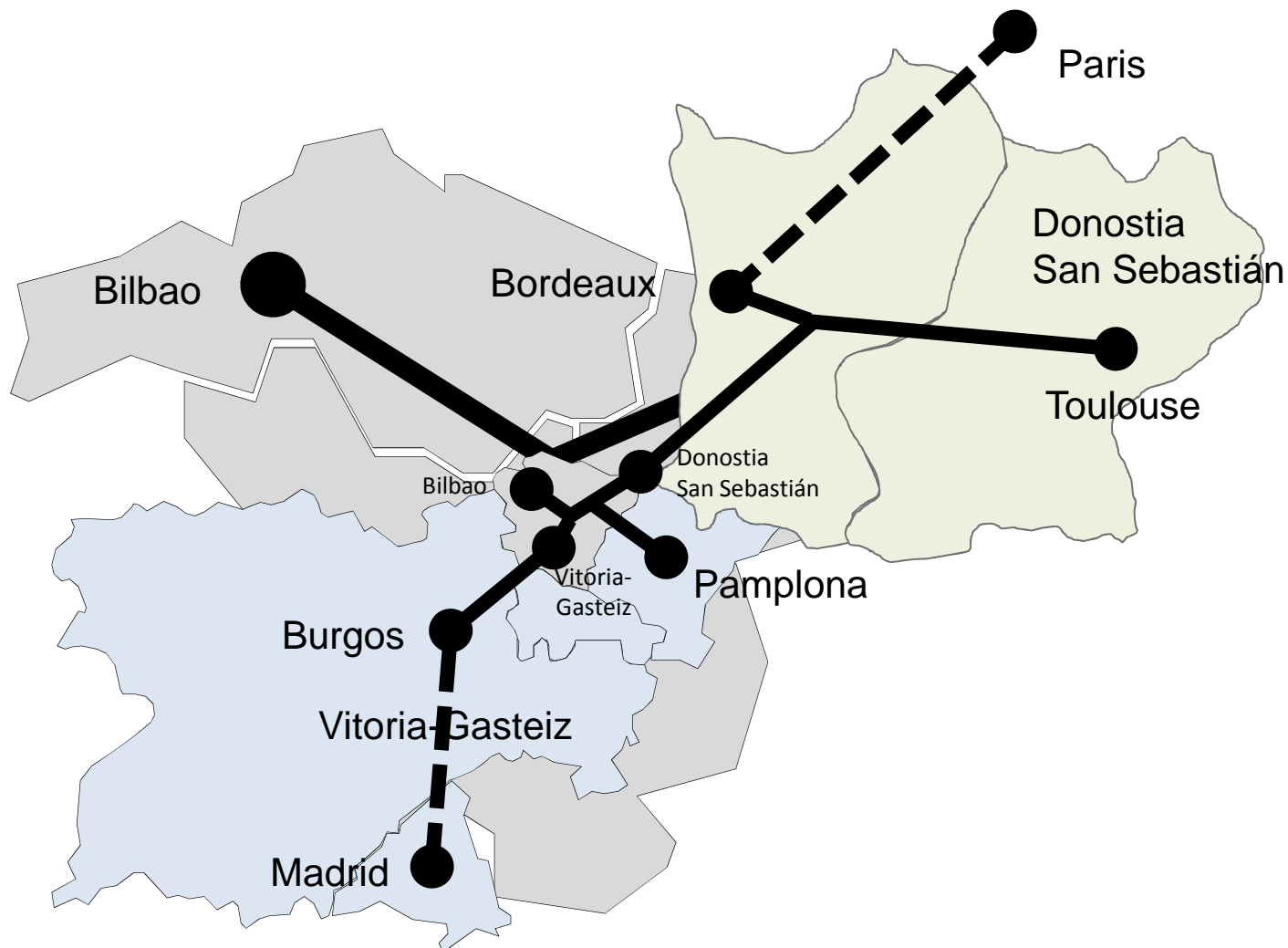


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The future of the intercity services might grow in case of scale efficiencies



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