



Future Circular Collider (FCC) Conference

London, June 7th 2023

**STAKEHOLDER
ENGAGEMENT
STRATEGIES**

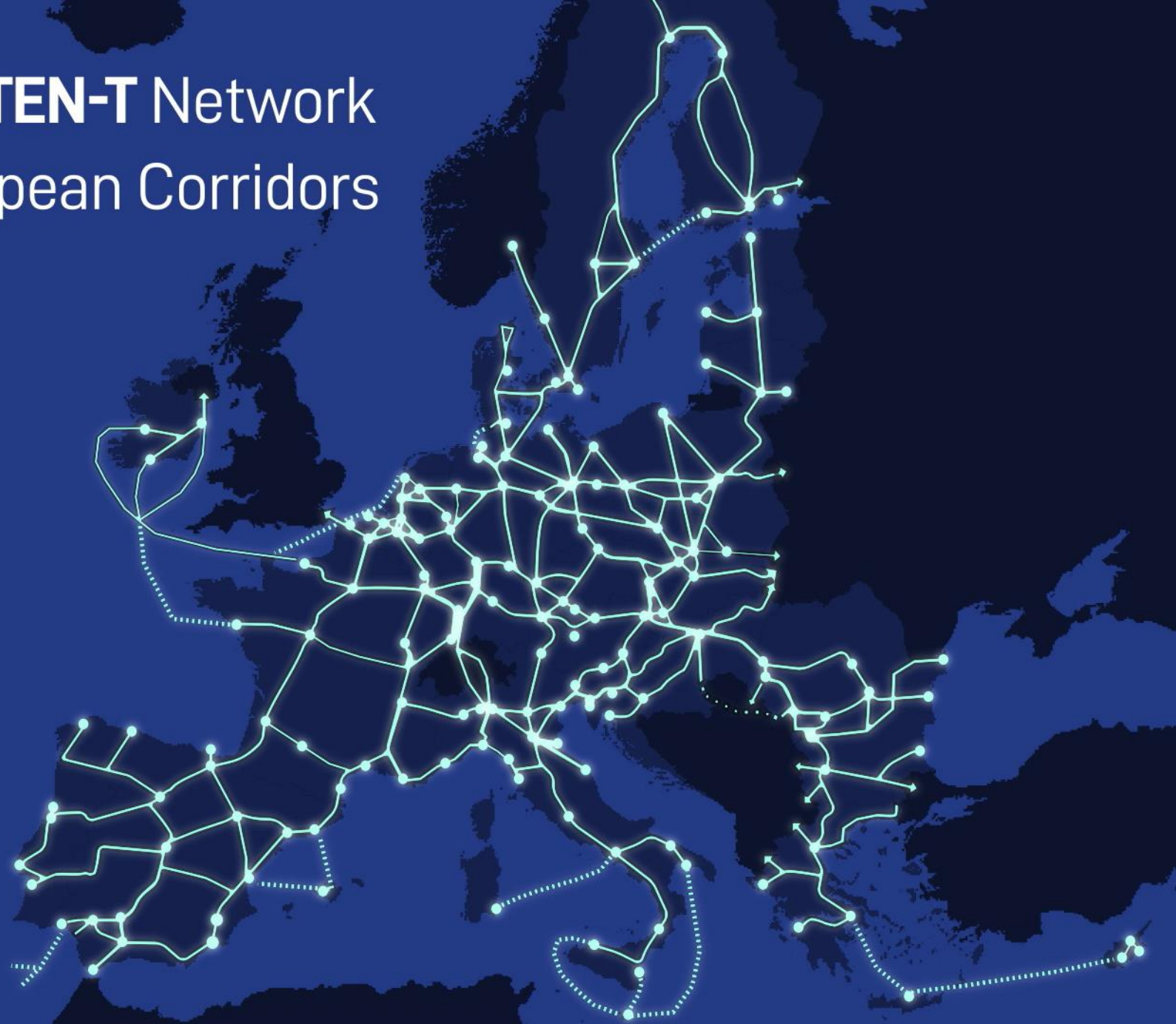
**Benchmarkings and Partnerships,
to bring the TELT project into Europe and Europe into the project**

Iacopo Faggiani

TEN-T Network European Corridors

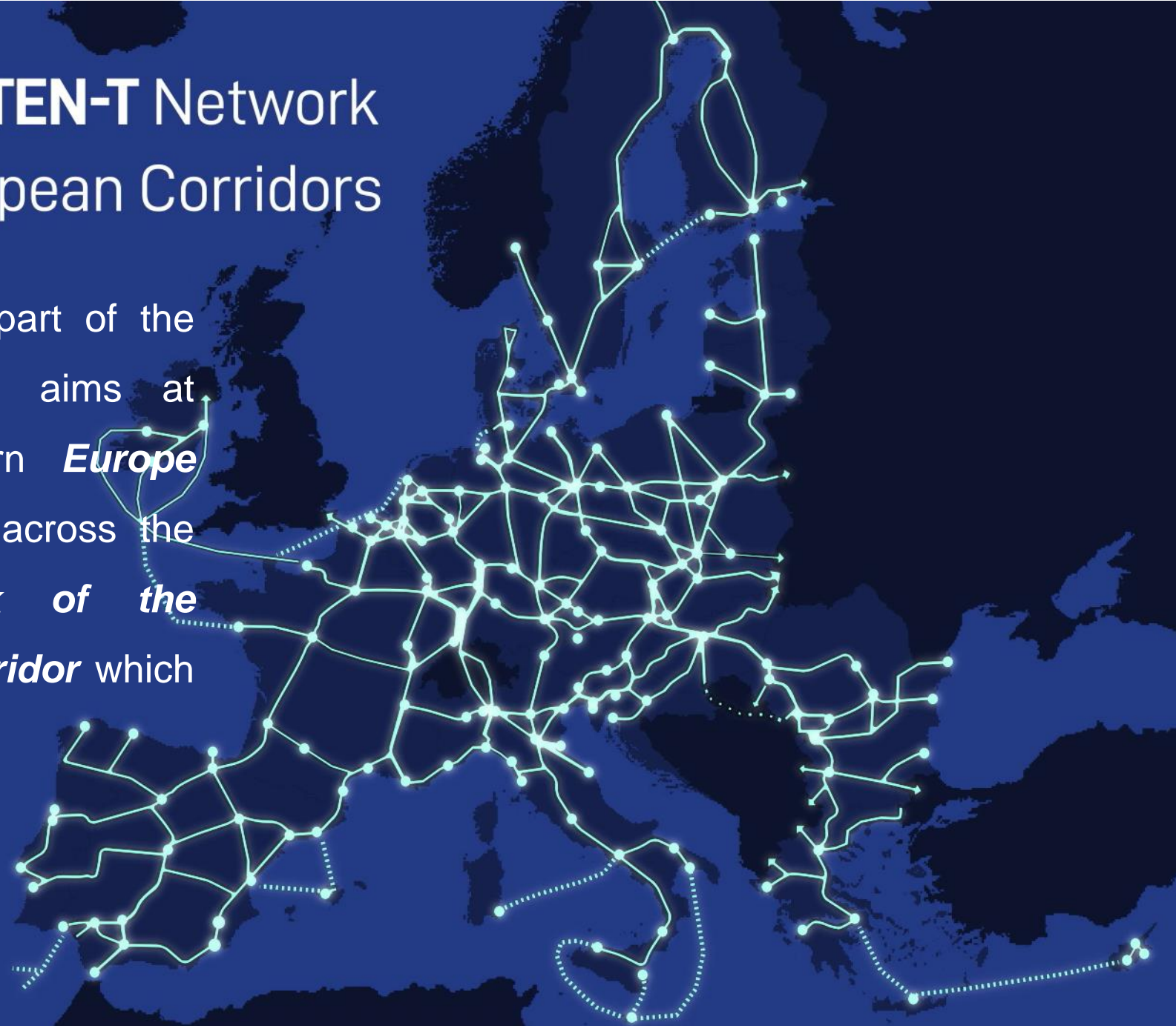
AGENDA

- *the TELT project*
- *benchmarkings and partnerships to be visible in Europe*
- *projects to be visible locally*



TEN-T Network European Corridors

The Lyon-Turin railway line is part of the European TEN-T project which aims at **connecting** eastern and western **Europe** through a new cross-border line across the Alps. This is the key **link of the Mediterranean core network corridor** which will be **completed by 2032**.



TEN-T Network Mediterranean Corridor



TELT 200 employees



*57.5 km (tunnel)
160 km in total*

SAINT-JEAN-DE-MAURIENNE



SUSA

12 operational construction sites between Italy and France
2 new international stations

12 meters excavated per day using the TBM

2029 date of completion of the work

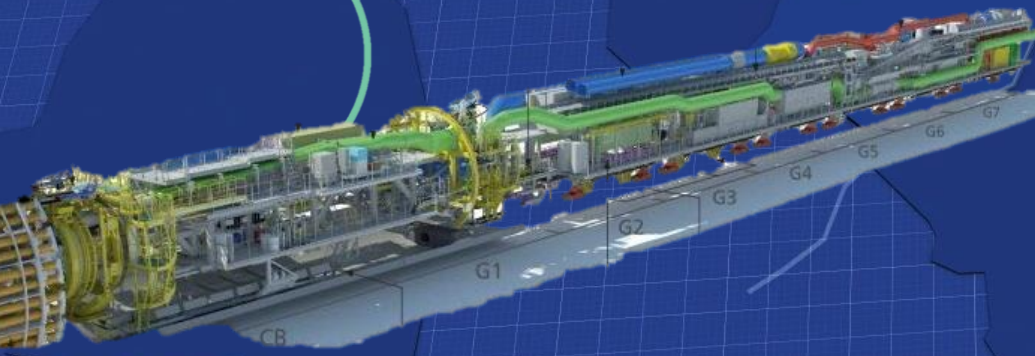
2032 date of commissioning

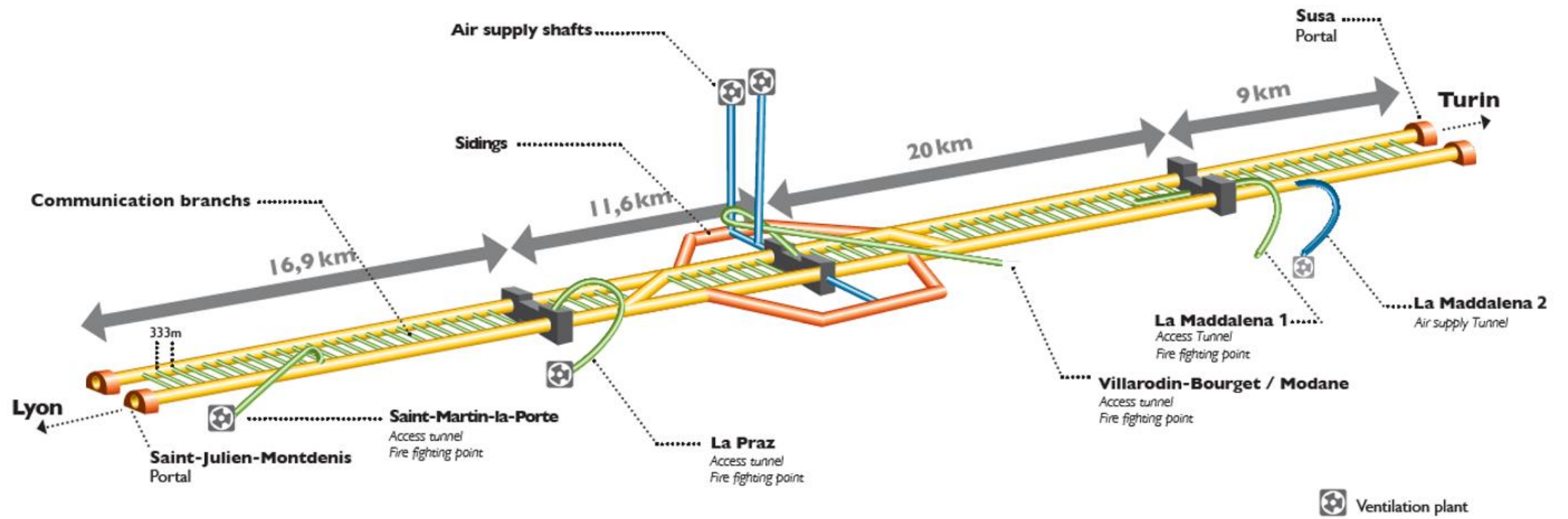
8.6 billion euros of investments

81 international calls for tenders

4,000 direct and 4,000 indirect jobs

+20k contracts with contractors and sub-contractors





St-Jean
De-Maurienne
Intermodal hub
(2019 – 2022)



Saint-Julien-Montdenis
Cut-and-cover tunnel
90 m
(2019-2021)



Chiomonte
7,020 m
(2011-2017)



LYON

TORINO

SMP4
2,400 m
(2003-2010)
1,800 m
(2015 – 2016)



SMP4
3B: excavation with
traditional method
1,500 m
(2017- 2022)



SMP4
Southern tube of
the base tunnel
10,215 m
(2015- 2022)



La Praz
2,700 m
(2005- 2009)



Villarodin-Bourget /
Modane
4,050 m
(2002- 2007)





113 km
of exploratory
surveys
carried out

32 km
of tunnels completed



**100% of the
contracts**
for the base tunnel
will be awarded by
2023

€6.6 billion
already spent or
committed for the
project





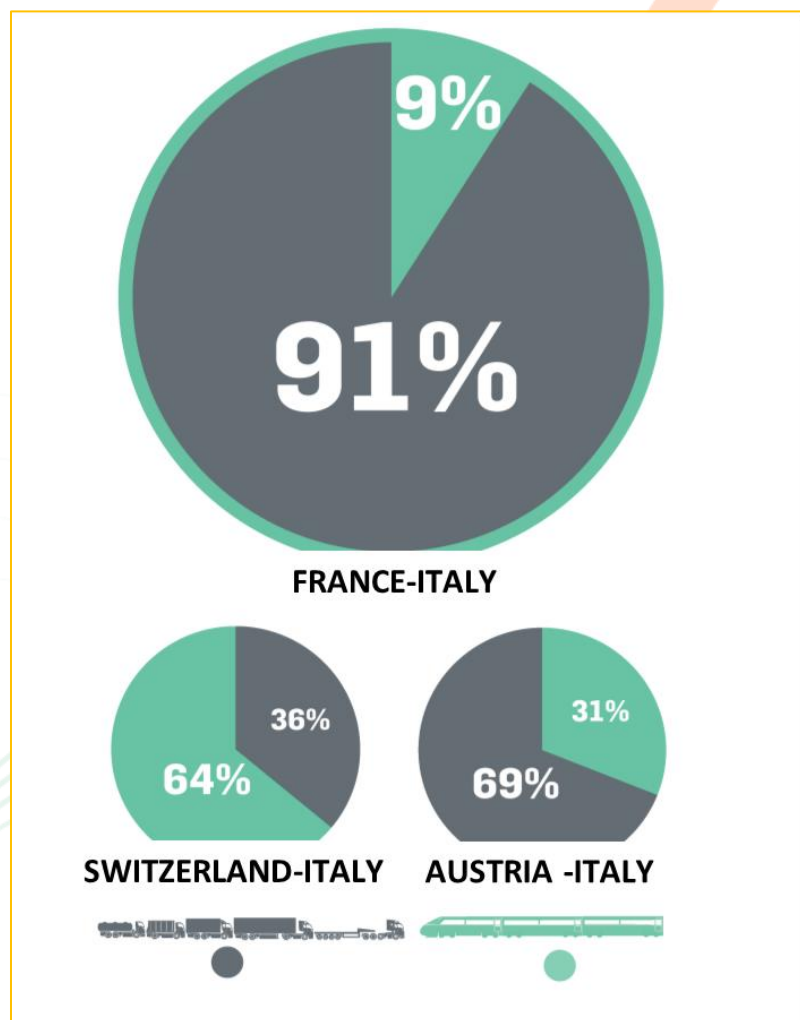
100%
of mechanised
excavation
completed
with Federica TMB

1,400 people
working in the
construction sites,
in planning
activities and
services



the TELT project

WHY ? - 1 MILLION LORRIES ACROSS THE ALPS



The old Fréjus railway tunnel is able to meet only a small part of the freight traffic **demand: 9%** of the total, compared with **64% for the Swiss axis and 31% for the Austrian one.**

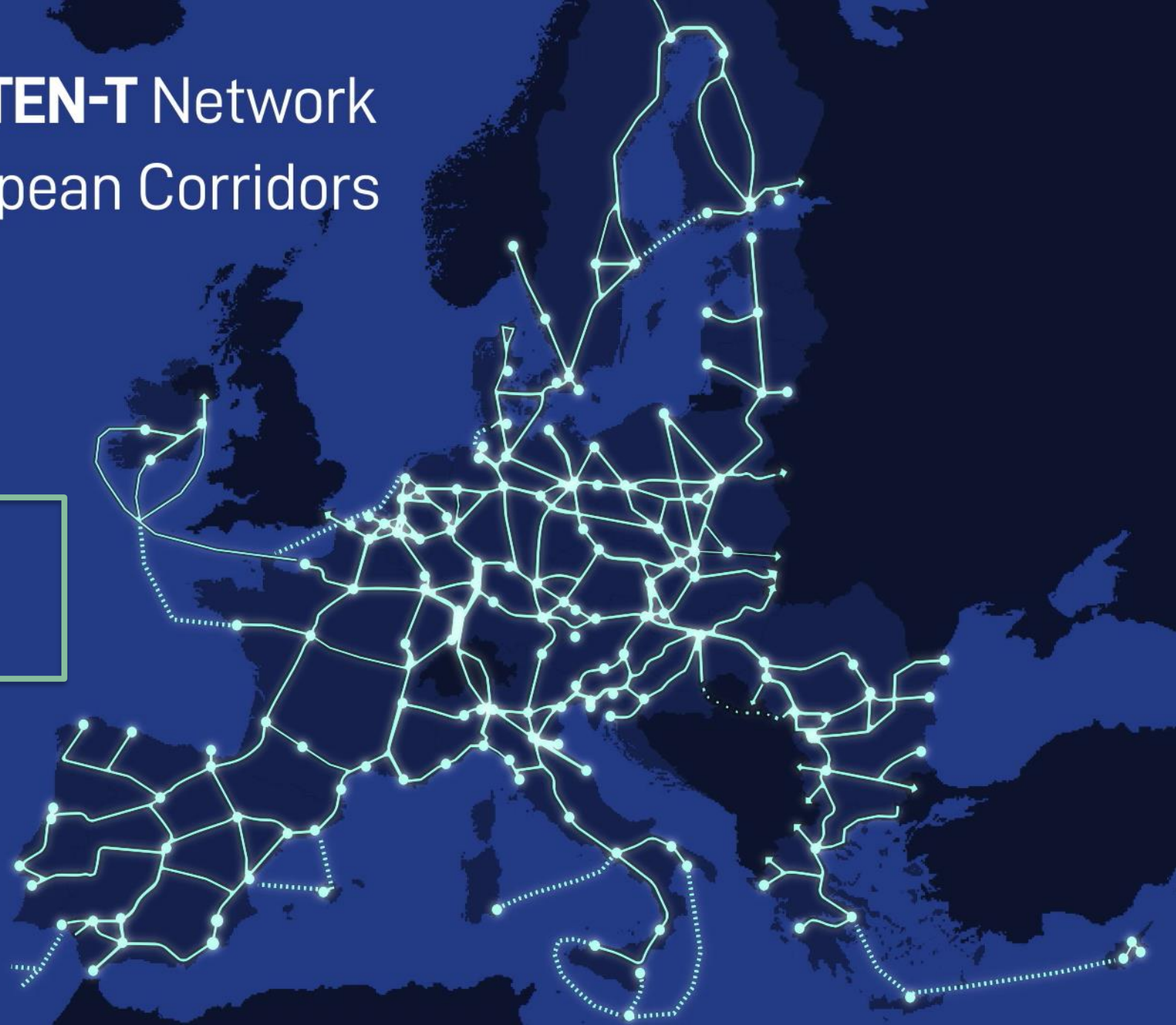
The new line will lead to an annual reduction in greenhouse gas emissions of up to **3 million tons a year**, equal to the **amount produced by a city of 300,000 inhabitants.**

But also to link Europe...and more

TEN-T Network European Corridors


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- *projects to be visible locally*



Bring the TELT project into Europe and Europe into the project

why ?

- 
- 1 we need to search for best practices*
 - 2 work together with the best companies*
 - 3 disseminate knowledge internally and externally*
 - 4 we need to communicate*



benchmarkings and partnerships to be visible in Europe

The experience of TELT's international benchmarking between research and innovation – model from 2018

PHASE 1

The board of directors or the operations management board requests benchmarking studies to be carried out.

PHASE 2

The objectives are identified and boundary analysis of the reference context is performed.

PHASE 3

A qualitative questionnaire and a quantitative questionnaire are prepared for collecting the data required for the study.

PHASE 4

International contacts for the acquisition of information and data are identified.

PHASE 5

Connections are made and relationships of trust are built with the selected contacts.

PHASE 6

Data is collected through one-to-one meetings, studies and readily available literature.

PHASE 7

The material gathered is processed.

PHASE 8

An output document summarizing the work and highlighting objectives and proposals for improvement is prepared

PHASE 9

The study work carried out is returned to the client, highlighting the objectives achieved, the difficulties encountered and the proposals for improvement, and dashboards with indicators that make it possible to map the state of the company are prepared. The state of the company is mapped.

PHASE 10

A response is given to any request for additional information received in phase 9

PHASE 11

The international relations previously built are maintained for future study activities

PHASE 12

Some comparative studies may end with days of knowledge exchange with all the actors concerned gathered at a working table

involving all departments



Board



Governing Board



Procurement Department



General Affairs Department



Administrative Department



Communication Department



Construction Department



Railway Department



Finance Department



Legal Department



Engineering Department



Personnel Department



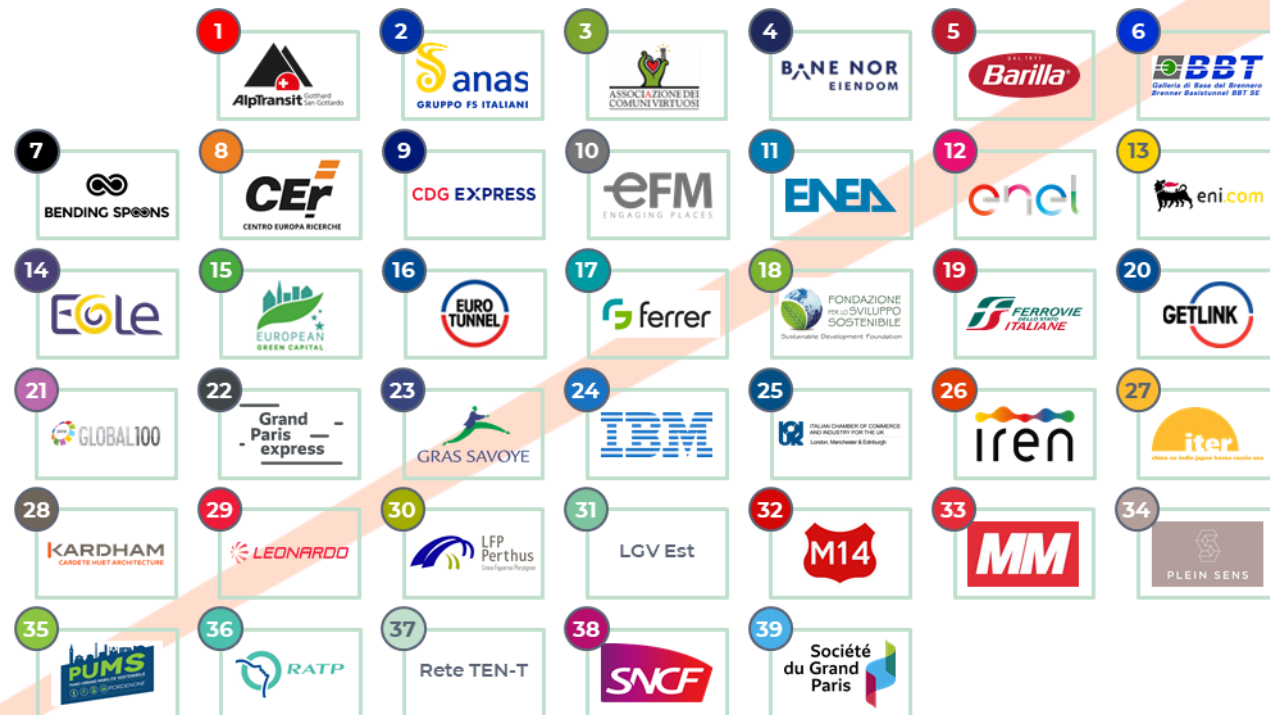
Sustainability Department

benchmarkings and partnerships to be visible in Europe

Benchmarks 2018-2023

Benchmarks realizzati	Direzioni TELT coinvolte	Aziende esterne coinvolte nei progetti	Risultati operativi post benchmark
1. Applicazione della normativa antimafia nelle principali SPA Italiane		2 6 12 13 19 29	Realizzazione "lista bianca" per acquisti di funzionamento
2. Strategie assicurative nelle grandi opere infrastrutturali		1 4 9 14 19 20 23 30 32 39	Realizzazione gara internazionale consulenza broker assicurativo
3. Strutturazione e ruolo dell'audit interno delle corporate		1 6 19 20 38 39	Costituzione nuova Direzione di Audit Interno
4. Tipologie di certificazioni nelle grandi società di costruzione		1 4 6 20 30 39	Accreditamento certificazioni ambito sostenibilità legalità e welfare management
5. Il buon welfare aziendale fa crescere l'impresa		5 6 7 12 20 30 39	Realizzazione nuove procedure e policy aziendali
6. Progetti di impiantistica e manutenzione nelle grandi opere in sottorano		1 4 6 19 30	Costituzione nuova direzione ferroviaria
7. Le clausole di variazione in corso d'opera all'interno dei contratti		1 4 6 13 20 27 30 33 39	Inserimento nei contratti clausole per aumentare innovazione
8. Dalla teoria alla pratica, piccole e grandi idee per un mondo più green		3 11 12 15 18 21 26 35	Realizzazione nuove procedure in ambito sostenibilità
9. Le nuove sedi di TELT per le sfide del futuro		10 28 34	Ricerca di soluzioni immobiliari ad hoc
10. Strutture preposte agli acquisti nel contesto internazionale		1 4 6 13 20 27 30 33 39	Riorganizzazione interna aziendale
11. Gli accessi dei tunnel alpini: dati tecnici e status avanzamento costruzione		1 4 6 20	Mappatura status avanzamento lavori
12. Import export Regno Unito dal 90 al 95		36 38	Dossier analitico evoluzione commerciale pre/post tunnel per comunicazione strategica
13. Le polizze e coperture assicurative delle grandi infrastrutture			Realizzazione nuove procedure e policy aziendali
14. Mappatura delle società di impiantistica in Italia e Francia			Documento di best practices per comunicazione strategica e road show
15. Ability job: programmi di inserimento in azienda di categorie protette			Realizzazione nuove procedure e policy aziendali
16. Il budget della comunicazione nella società di costruzione			Pianificazione nuovo budget di direzione
17. Indice parità uomo donna nelle aziende francesi			Realizzazione nuove procedure e policy aziendali
18. La governance nei processi di acquisto		6 16 22 27 39	Riorganizzazione interna aziendale
19. Tunnel della Manica dati e storia del primo tunnel sotto i mari		8 37	Dossier analitico e storico tunnel della manica per comunicazione strategica
20. Modelli di finanziamento delle grandi opere infrastrutturali		41	Dossier a supporto del Grant Agreement europeo
21. Connettere i paesi per unire l'Europa, status reti ten t		6 16 22 27 30 36 38	Dossier a supporto del Grant Agreement europeo
22. Da costruttori a gestori, modelli per il futuro della Torino Lione			Organizzazione interna aziendale e rebranding in vista della messa in servizio
23. 2030 Europa in cantiere			Dossier a supporto modifiche codice degli appalti in Italia
24. Treni e aerei il confronto delle tratte TEN-T			Dossier analitico evoluzione status linee per comunicazione strategica
25. Tunnel e tecnologie a supporto dell'innovazione delle costruzioni			Dossier a supporto del Grant Agreement europeo
26. Le strutture direzionali ed organizzative nelle società di costruzione			Riorganizzazione interna aziendale
27. Le nuove vie dell'Artico			Dossier analitico e storico delle nuove tracce commerciali per comunicazione strategica
28. Proposte per la sburocratizzazione dei cantieri italiani			Documento di best practices per velocizzare la costruzione di grandi opere strategiche
29. La ricerca e l'innovazione in TELT			Documento di raccolta e analisi per comunicazione strategica
30. Le expertise dei dipendenti di TELT			Cortometraggio per uso comunicazione strategica
31. Le grandi opere internazionali in sottorano			Realizzazione sito internet di 90 progetti internazionali ad uso pubblico
32. Sistemi innovativi e tecnologici a supporto della digitalizzazione aziendale			Realizzazione nuove procedure per digitalizzazione
33. TELT in cifre: le prestazioni delle direzioni			Mappatura dell'evoluzione dell'azienda

36



Topics:

- construction
- environmental sustainability
- personnel management
- company organisation
- management models
- search for innovation
- start-up
- European calls and finance

International partnerships to innovate and disseminate



Supporting CERN in the design of the next FCC tunnel. Knowledge exchanges on topics such as excavation materials, environment, communication, construction and techniques



Sharing best practices and innovative methodologies in the field of security and sustainability. Operational projects in the fields of political/institutional bodies of national interest, relations and communication with stakeholders.



Working tables and knowledge exchanges in the fields of management control, internal audit and governance, management and reuse of excavated materials.



Sharing best practices and innovative methodologies to promote safety and security. Operational projects in the field of advanced training of safety officers.



Joint participation in European calls for the promotion of sustainability and European social policies. Operational projects in the field: €5 million call for re-use of excavated materials.



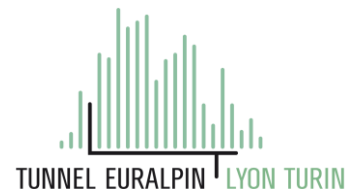
Sharing best practices and methodologies for the management and development of railway networks. Operational projects in the fields of shadow operators, sustainability and stakeholder management.



Working tables and knowledge exchanges in the fields of management strategies, business models and maintenance.



...next



Knowledge exchanges and international conferences



EXPO Ferroviaria



LFP
Perthus
Linea Figueras Perpignan



Challenge to innovate

Programma:

INNOVATION  CHANGE

In partnership con:



Reports AND poster papers



benchmarking and partnership to be visible in Europe



benchmarking and partnership to be visible in Europe

Benchmarks 2018-2023

MISSIONS: Rome, Paris, Naples, Bolzano, Barcelona, Oslo, Lucerne, Lyon, Perthuis, Fortress, Milan, Berlin, Genoa, Bern, Chambery, Copenhagen, Geneva, Saint-Paul-lez-Durance, Padua, Vienna, Marseille, Lille, London, Athens, Marseille, Munich, Lisbon, Riga, Athens, Genoa

...the journey continues..

benchmarkings and partnerships to be visible in Europe



Benchmark annual numbers

6 benchmarks

over 15 international companies involved in the projects

3 European missions/month

5 monothematic in-depth studies

5,000 km travelled each month

8 international knowledge exchanges and visits to projects

PROJECTS

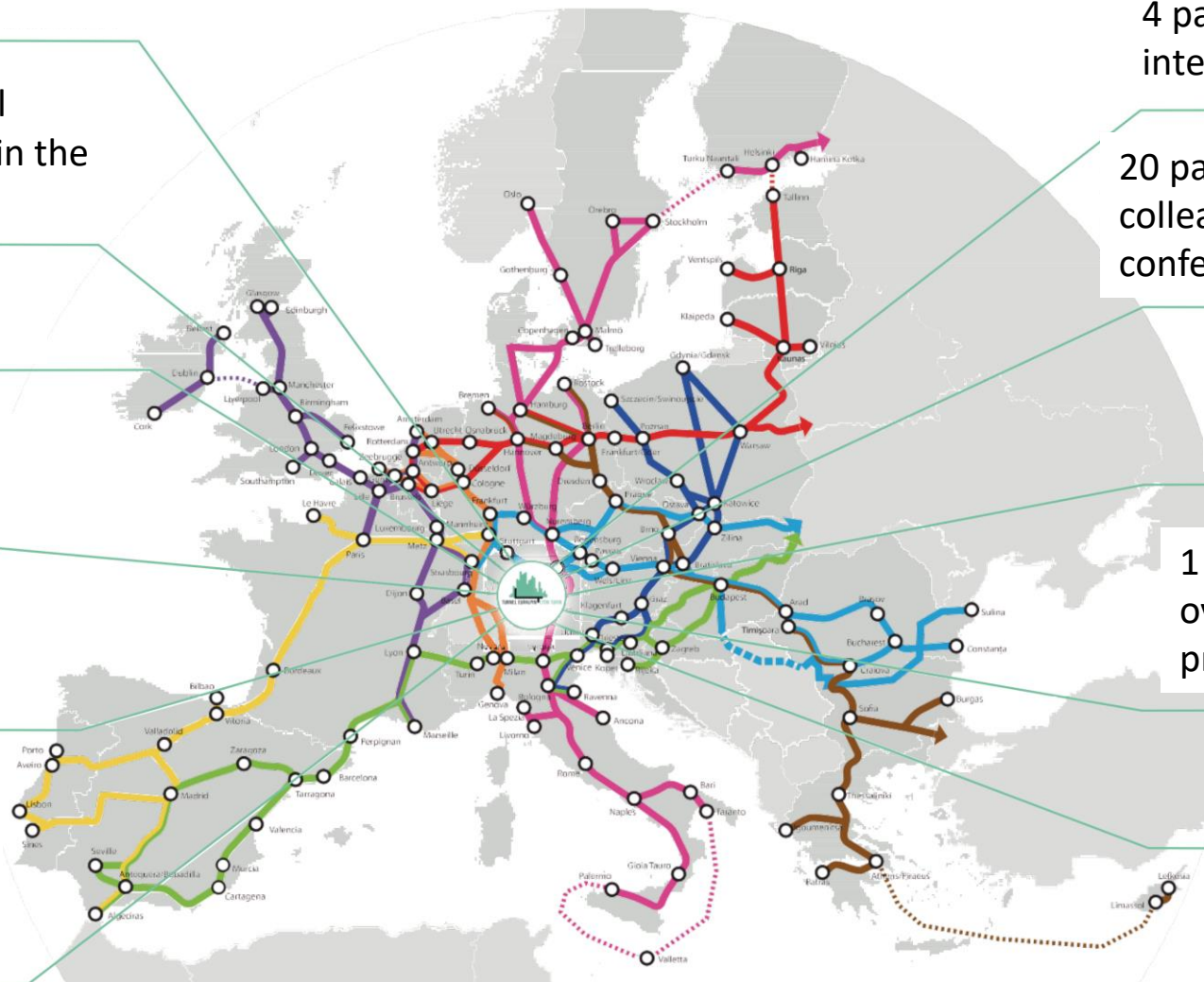
4 participations in international conferences

20 papers written by colleagues for international conferences

24 focus papers

1 website dedicated to over 90 infrastructure projects worldwide

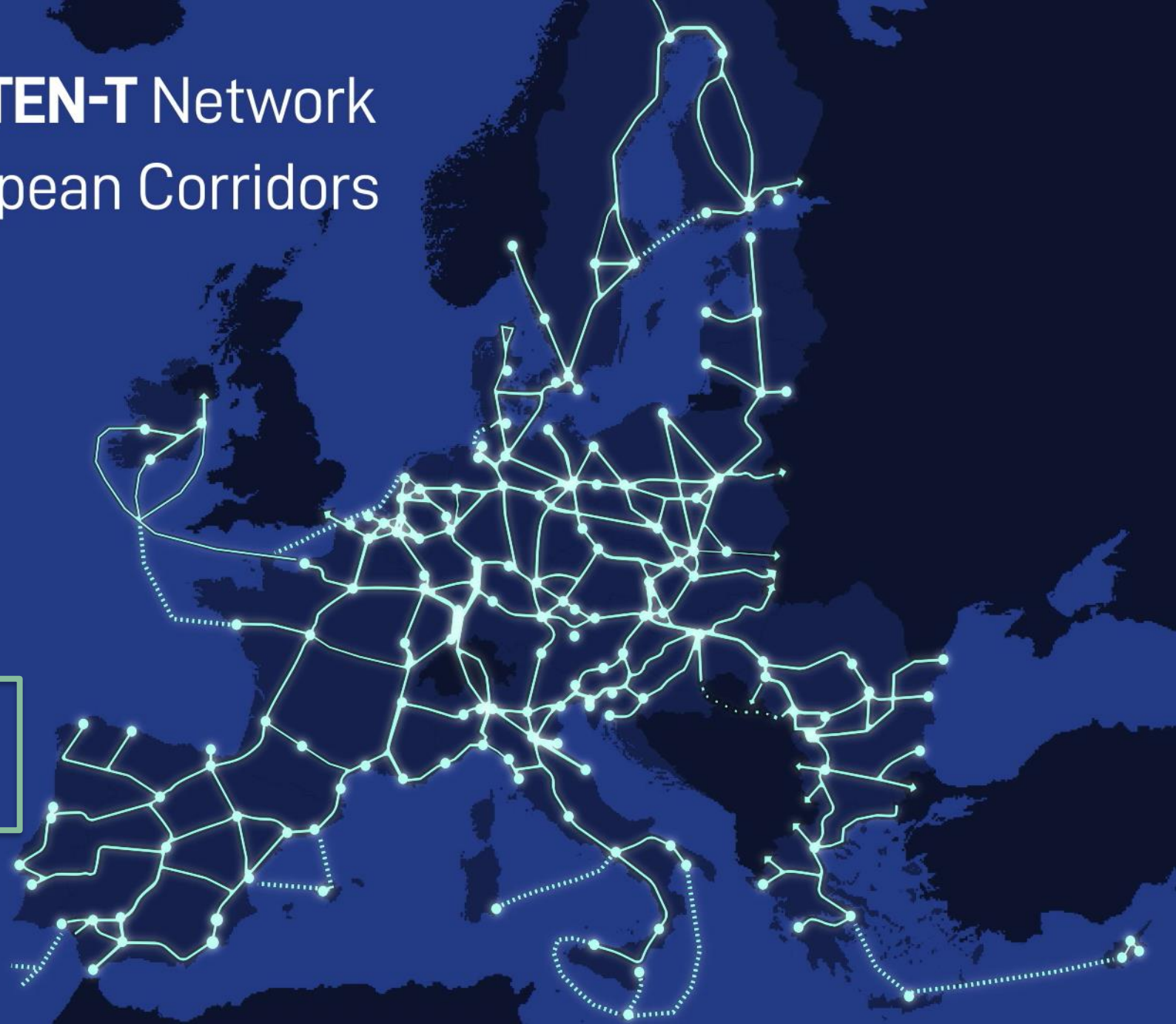
1 short film



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An exceptional approach for an exceptional project

To support the Lyon-Turin project, the French State decided in 2003 to introduce the Grand Chantier observatory. It is managed by the Prefect of Savoie, in collaboration with the Auvergne Rhône-Alpes Region, the Department of Savoie and the Syndicat du Pays de Maurienne.

Developing future projects

Innovation, living environment, revitalisation of urban centres, diversification of economic activities and also energy transition: the Grand Chantier observatory finances projects and services to collectively and sustainably build a new dynamic in Maurienne area. It's a real development lever for the area and its 45,000 inhabitants!



- 270 contacts with the region
- 76 meetings to respond to requests from elected representatives
- 30 public information meetings
- 45 meetings to respond to requests from associations, residents or businesses
- 15 construction site visits with elected representatives and local residents
- 2 open days
- 24 newsletters sent by e-mail and posted on the website
- + 1,523 flyers distributed in shops and town halls.

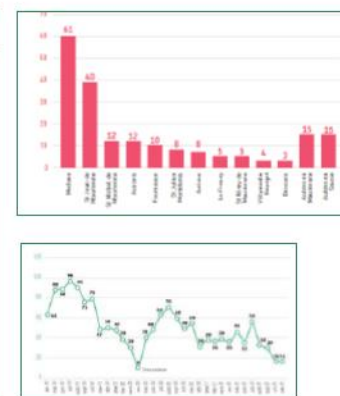
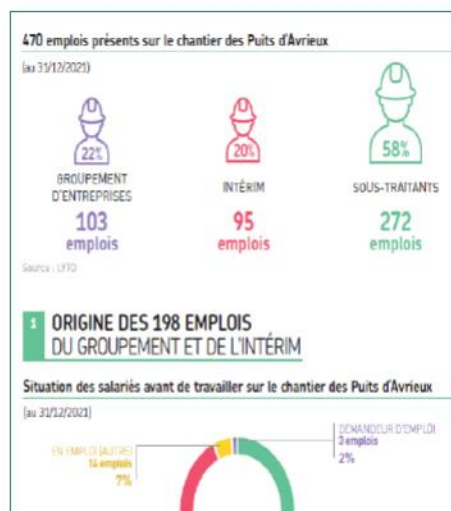
- Employment and training: up to 3,000 wage earners collected on the territory
- Employment of local company resources
- Use of local private homes and hotels as well as restaurants and non-construction of base camps

The importance of training is a key element for individual and collective development in an ever-changing world. Training provides opportunities to learn, grow and acquire skills that enable one to face challenges and make the most of opportunities along the way.

The importance of local hiring is a key aspect of promoting sustainable development and equitable growth of communities. Hiring people from local communities offers numerous benefits for both companies and the communities themselves.

The importance of using local businesses is crucial for sustaining and developing communities. When you choose local businesses instead of large chains or international companies, you directly contribute to the local economy and promote sustainable growth.

Observatoire du Grand Chantier



A large crowd of people, mostly men wearing white hard hats and orange safety vests, are gathered in a dark, cavernous space, likely a tunnel. They are all holding up their smartphones to take pictures of a large, circular, glowing projection on the far wall. The projection features a complex, multi-layered design with concentric circles, radial lines, and a central area that looks like a starry space or a deep well. The overall atmosphere is one of a significant event or unveiling.

**Communicate to bring the TELT project into Europe
and
Europe into the project**

The final summary is...

*public
communications*



The final summary is...

local relations



The final summary is...

talking construction sites



The final summary is...

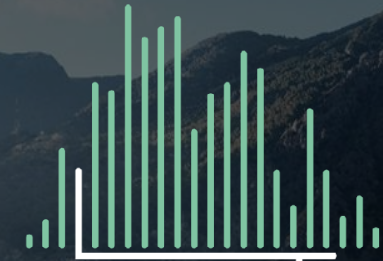
talking construction sites



The final summary is...

talking construction sites





TUNNEL EURALPIN | LYON TURIN



*"Be less curious about people
and more curious about ideas."
Marie Curie*

THANK YOU - IACOPO FAGGIANI

