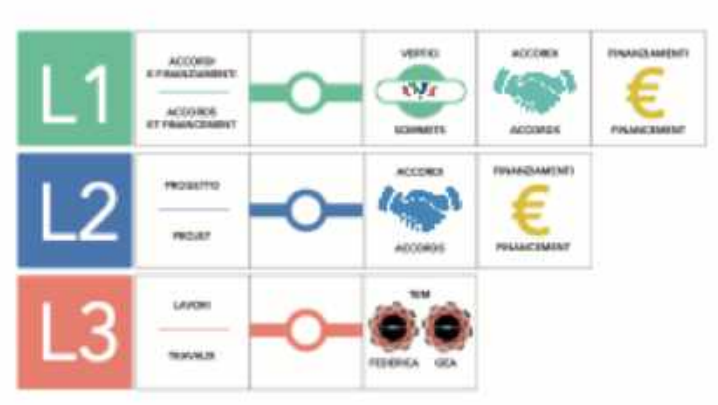




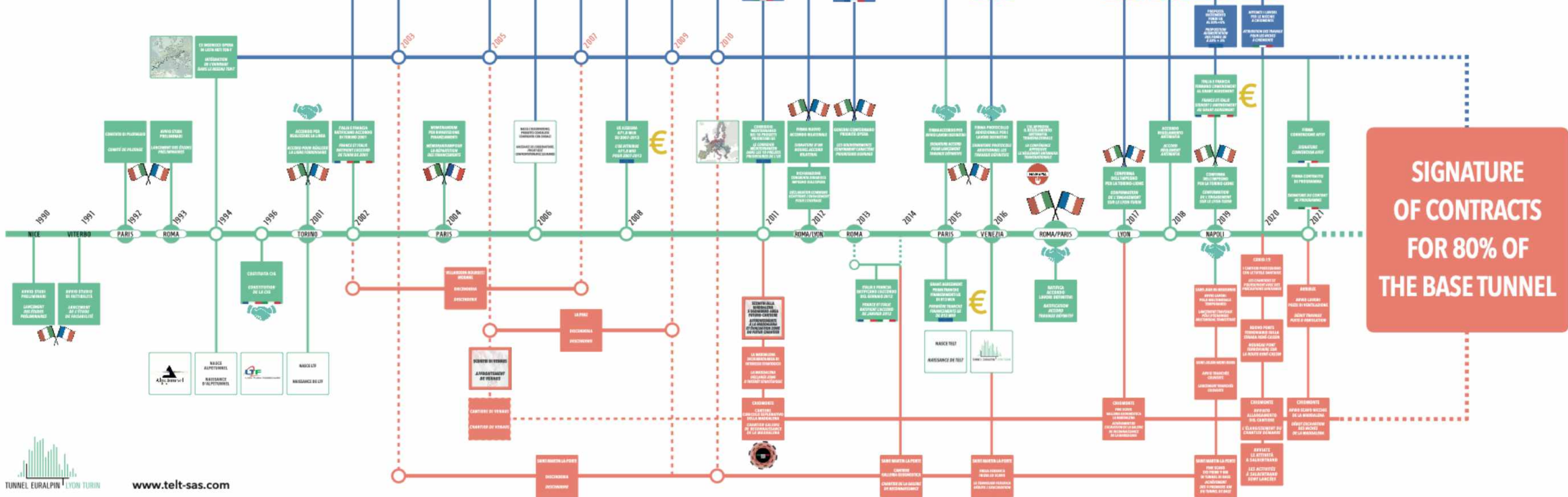
#LYON TURIN2021

07.07.2021

Arch. Mario Virano
TELT General Director



LYON - TORINO 1990 - 2021



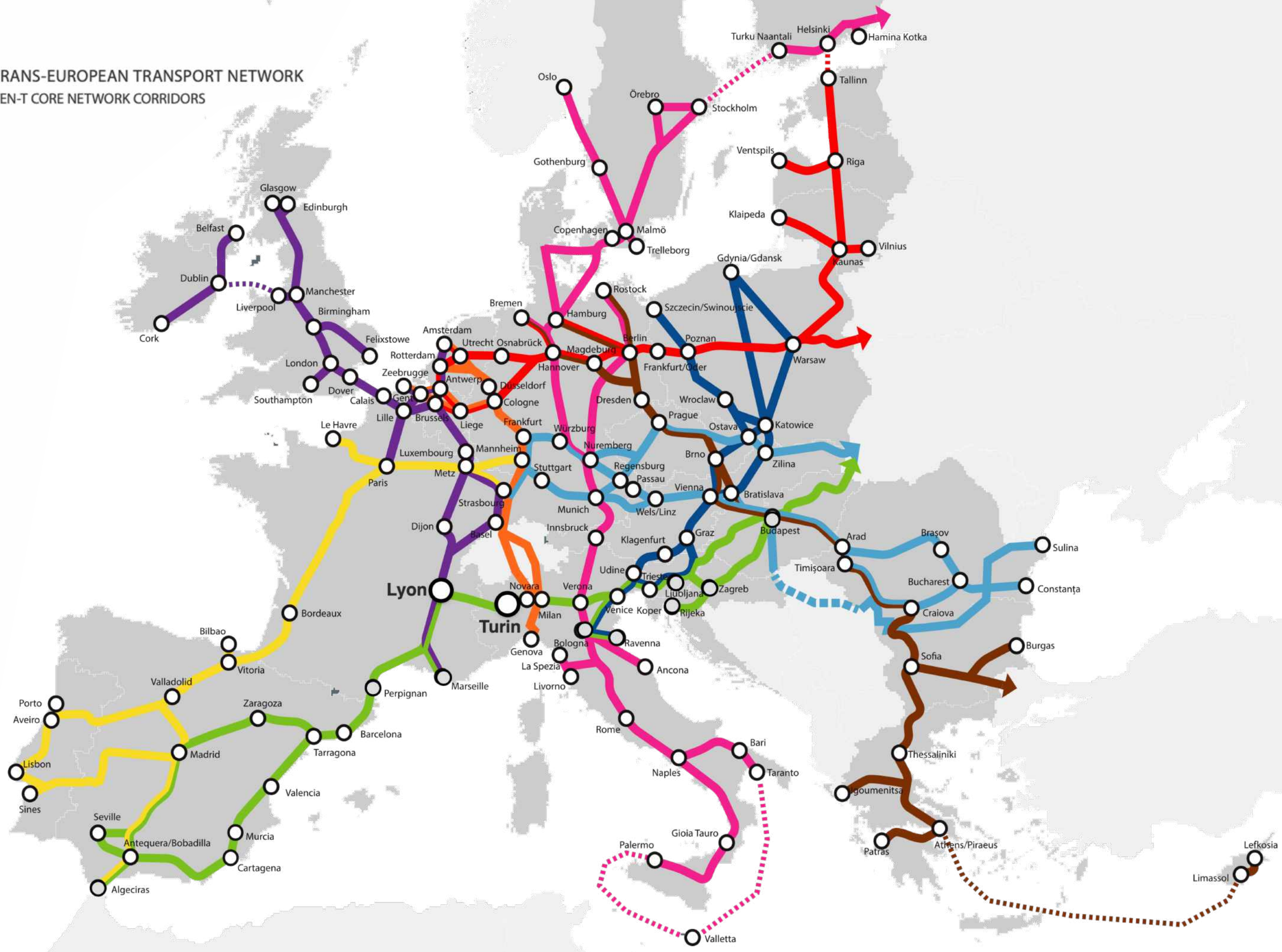


European Commission

TRANS-EUROPEAN TRANSPORT NETWORK TEN-T CORE NETWORK CORRIDORS

Legend

- BALTIC - ADRIATIC
- NORTH SEA - BALTIC
- MEDITERRANEAN
- ORIENT / EAST-MED
- SCANDINAVIAN - MEDITERRANEAN
- RHINE - ALPINE
- ATLANTIC
- NORTH SEA - MEDITERRANEAN
- RHINE - DANUBE



LYON

PARIS

MARSEILLE

Ambérieu-en-Bugey

Saint-Priest
Vénissieux

Ligne TGV
Paris / Marseille

Grenay

Burgoin-Jallieu

Avressieux

Chambery

Aiton

CROSS-BORDER SECTION
65 km



BASE TUNNEL
57,5 km

Saint-Jean-de-Maurienne

Grenoble

Modane

Susa

Chiomonte

Bussoleno

Avigliana

Orbassano

TORINO

Settimo
Torinese

MILANO

GENOVA

France

Italy

CONTOURNEMENT FERROVIAIRE
DE L'AGGLOMÉRATION LYONNAISE

- Historical railway line
- Outdoor line
- Line in the tunnel
- Crossover areas between the historical line and the new line

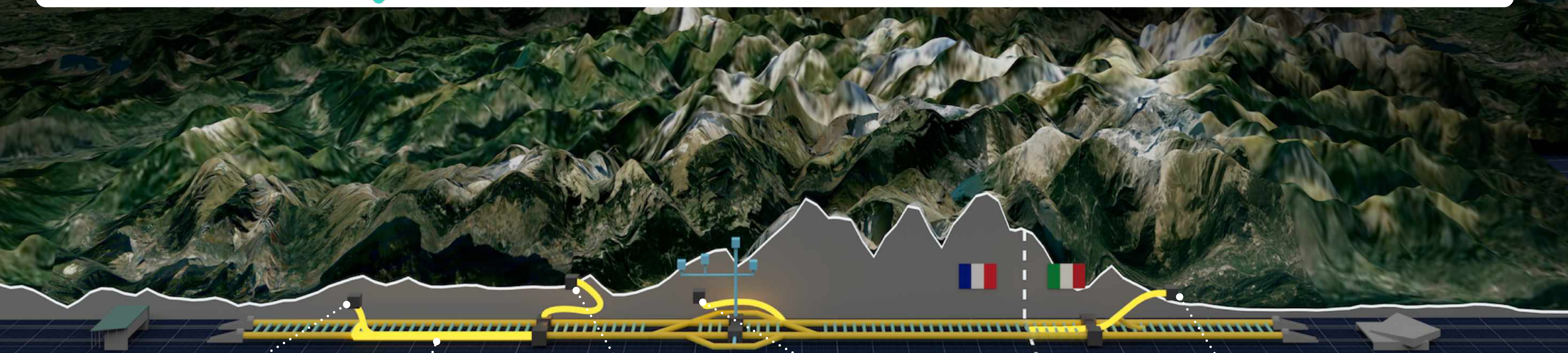
Linea AV/AC
Torino / Milano



Terzo Valico
dei Giovi



WORK COMPLETED | JUNE 2021



St Martin-La-Porte
2,400 m
(2003-2010)
1,800 m
(2015-2016)



SMP4
Southern tube of
the Base Tunnel
10,215 m
(2015-2021)



La Praz
2,700 m
(2005-2009)



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



La Maddalena
7,020 m
(2011-2017)





WORK IN PROGRESS | JUNE 2021

Cut and cover tunnel
90 m
(> 2019)



Highway exit
(> 2021)



St-Jean-de-Maurienne
Multimodal hub
(Started in 2019)



St-Julien-Mont-Denis
Arc's Dams
(Started in 2019)



SMP4 3B part:
Traditional excavation
method
(Started in 2018)



Avrieux
Ventilation shafts
(Started in 2020)



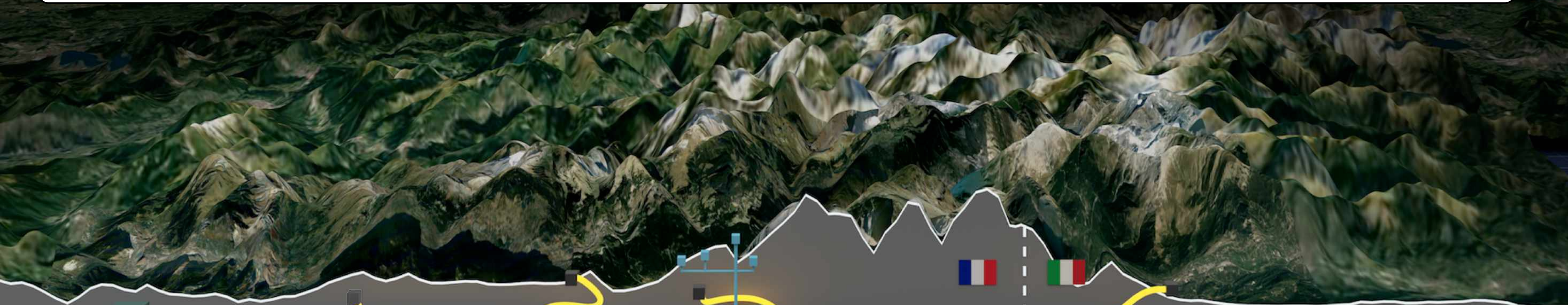
Chiomonte
Interchange niches
(Started in 2021)



San Didero
Car and truck terminal
(Started in 2021)



THE THREE LOTS AWARDED



LOT 3

BASE TUNNEL DIGGING
FROM VILLARD-CLEMENT

LOT 2

BASE TUNNEL DIGGING
BETWEEN LA PRAZ AND
SAINT-MARTIN-LA-PORTE

LOT 1

BASE TUNNEL DIGGING
VILLARODIN-BOURGET/
MODANE



CONTRACT AWARD FOR LOT 3 - BASE TUNNEL IN FRANCE | Site: 8

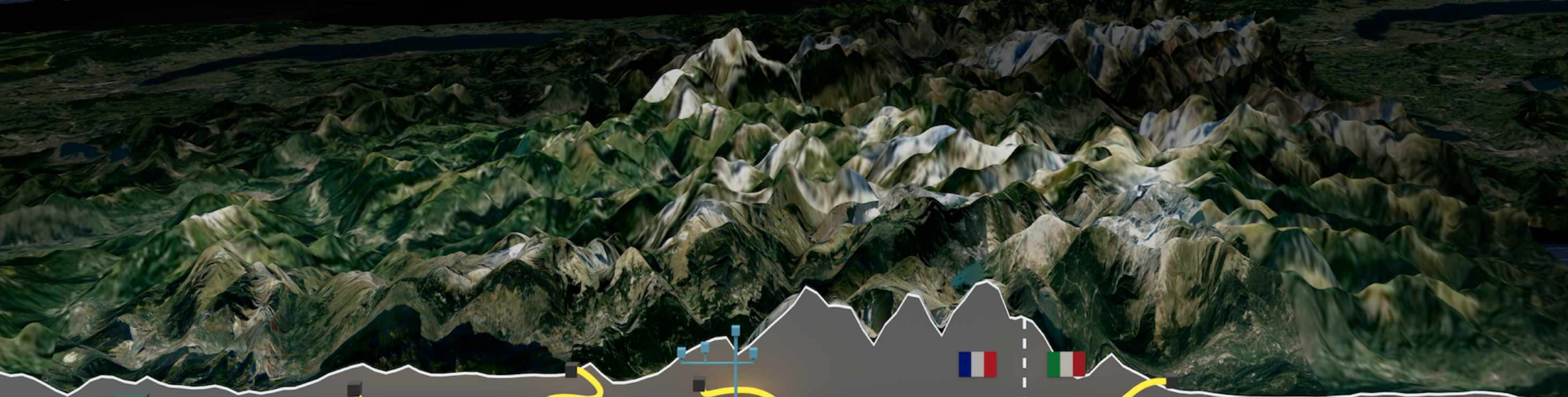
LYON

TORINO

BASE TUNNEL EXCAVATION FROM SAINT-JULIEN-MONTDENIS TO SAINT-MARTIN-LA-PORTE

- VALUE: €228 M
- LENGTH: 3 KM
- DURATION: 70 MONTHS





IMPLENIA Suisse (group head)

IMPLENIA France / NGE / ITINERA / RIZZANI de ECCHER



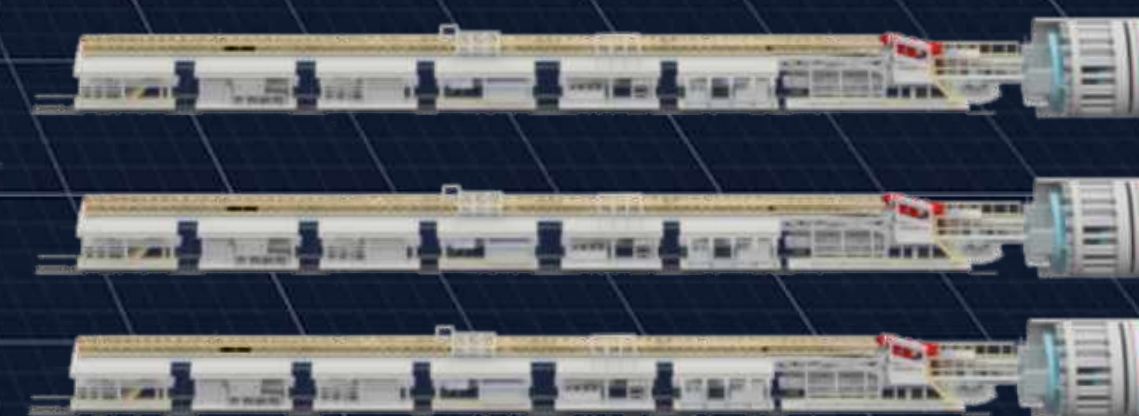
CONTRACT AWARD FOR LOT 2 - BASE TUNNEL IN FRANCE | Sites: 6 + 7

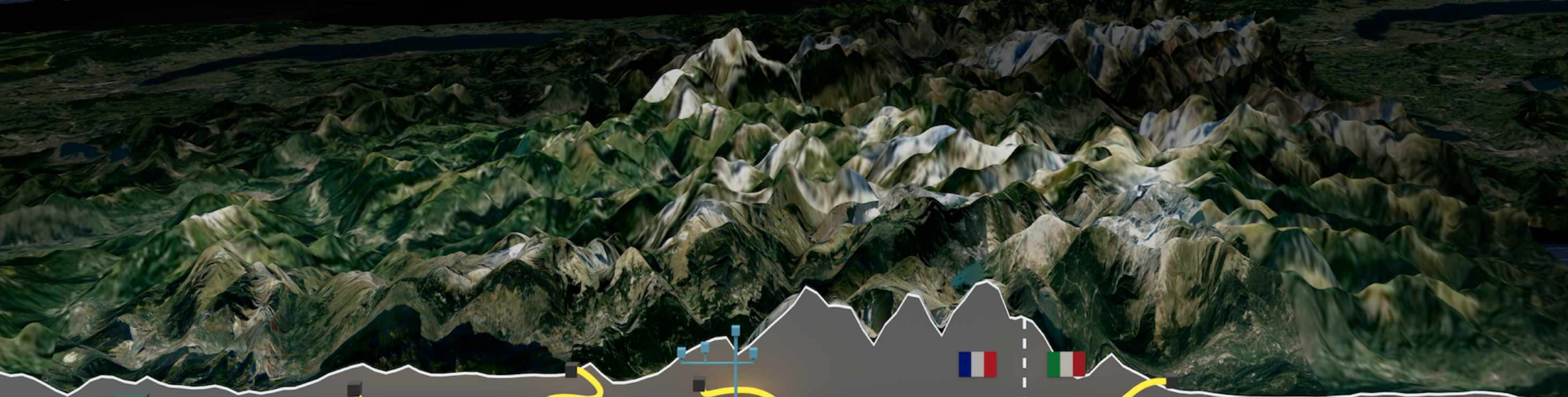
LYON

TORINO

BASE TUNNEL EXCAVATION FROM SAINT-MARTIN-LA-PORTE/LA PRAZ TO MODANE

- VALUE: €1,43 BN
- LENGTH: 23.1 KM
- DURATION: 65,5 MONTHS (site 6) + 57 MONTHS (site 7)





VINCI Construction Grands Projets (group head)
DODIN CAMPENON BERNARD /
VINCI Construction France TP Lyon / WeBuild



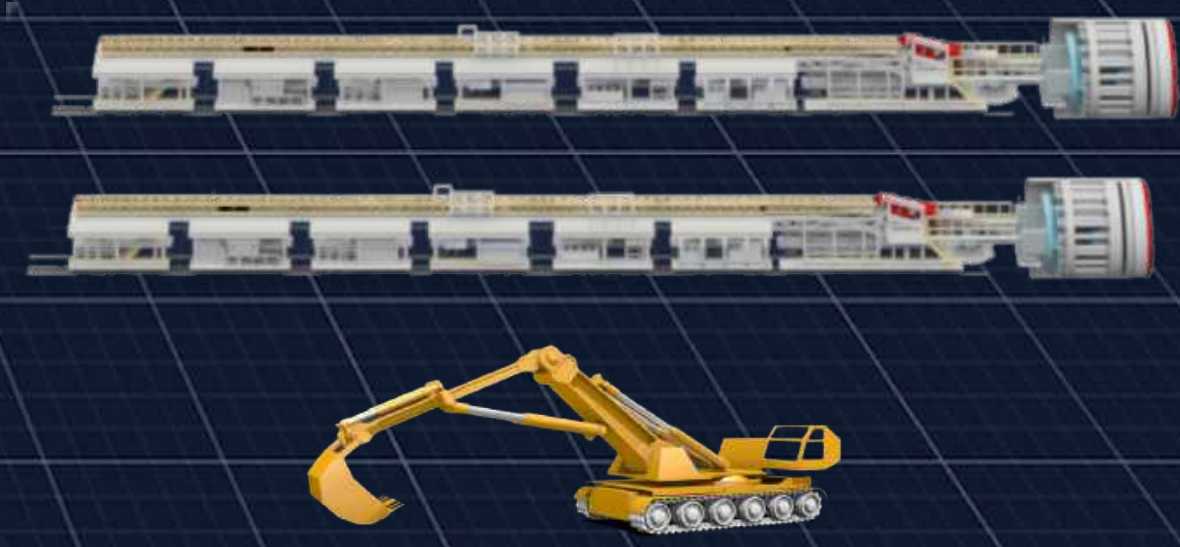
CONTRACT AWARD FOR LOT 1 - BASE TUNNEL IN FRANCE | SITE: 5

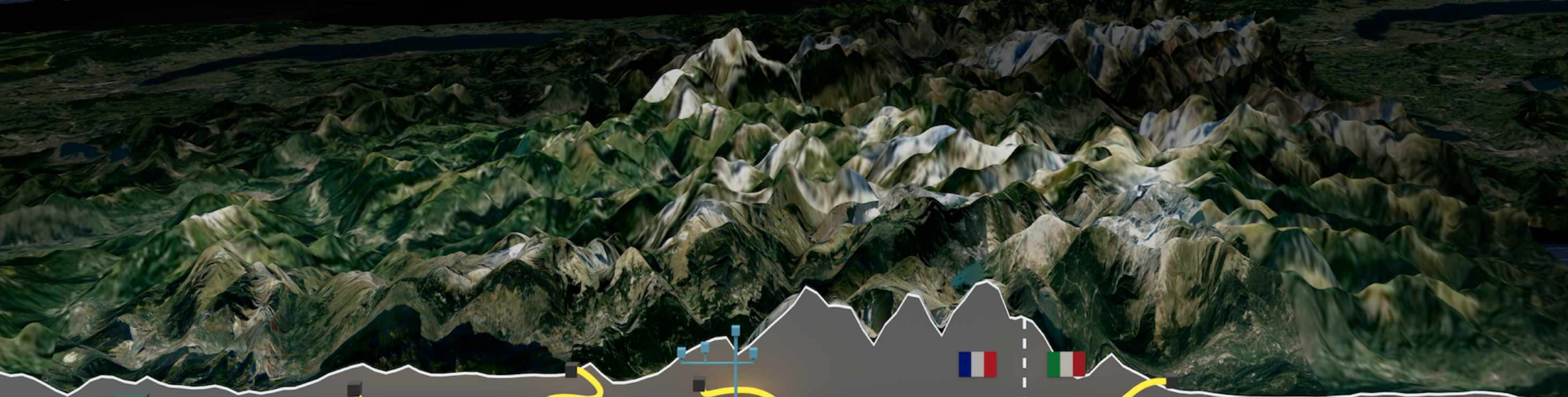
LYON

TORINO

BASE TUNNEL EXCAVATION FROM VILLARODIN-BOURGET/MODANE TO ITALY

- VALUE: €1,47 BN
- LENGTH: 21.9 KM
- DURATION: 72 MONTHS





EIFFAGE Génie Civil (group head)
SPIE BATIGNOLLES / GHELLA / COGEIS



NEXT STEPS

LYON

TORINO

BASE TUNNEL EXCAVATION BETWEEN THE FRENCH BORDER AND SUSA (ITALY)

- VALUE: ~ € 1 BN
- LENGTH: 12.5 KM





SAFETY AND RAILWAY INSTALLATIONS

LYON

TORINO

SAFETY AND RAILWAY INSTALLATIONS VALUE: € 2 BN



Superstructure



Electric Traction



Signalling and Control



Traffic Management



Technical Buildings



Ventilation



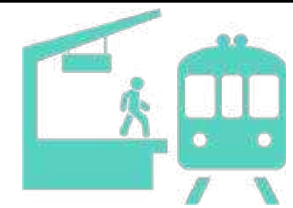
Safety installations



Rescue vehicles



Emergency Doors and Gates



INTERNATIONAL STATIONS

LYON

TORINO



**St-Jean-de-Maurienne
Multimodal hub
(Started in 2019)**



Susa international station

TENDER SUMMARY

Lot n.1	€1,47 BN	22 Km	EIFFAGE Génie Civil (group head) / SPIE BATIGNOLLES / GHELLA / COGEIS	70 months
Lot n.2	€1,43 BN	23 Km	VINCI Construction Grands Projets (group head) / DODIN CAMPENON BERNARD / VINCI Construction France TP Lyon / WeBuild	65 months 57,5 months
Lot n.3	€228 M	3 Km	IMPLENIA Suisse (group head) / IMPLENIA France / NGE / ITINERA / RIZZANI de ECCHER	72 months