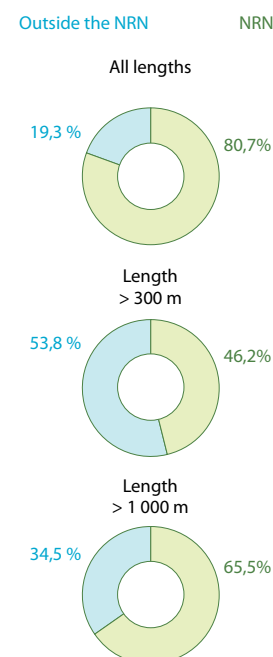


TUNNEL OBSERVATORY

2025 status report on road tunnels in operation in France

BREAKDOWN OF THE NUMBER OF TUNNELS BY LENGHT

	OPERATOR	All lengths	% of assets	Length > 300 m*	% of assets	Length > 1 000 m	% of assets
Tunnels on the National Road Network (NRN)*	Interdepartmental Directorate of Roads (IDR) outside the Île-de-France region	53	5,2 %	18	8,7 %	7	12,1 %
	IDR Île-de-France	55	5,4 %	25	12 %	7	12,1 %
	Motorway Concession compagny (MCC)	83	8,2 %	49	23,6 %	21	36,2 %
	Cross-border (CB)	4	0,4 %	4	1,9 %	3	5,2 %
	Subtotal	195		96		38	
Tunnels outside the NRN	Départemental Councils (DC)	466	46,1 %	44	21,2 %	4	6,9 %
	Public Establishment for Intercommunal Cooperation (PEIC)	148	14,6 %	30	14,4 %	10	17,2 %
	Municipality	116	11,5 %	18	8,7 %	1	1,7 %
	Overseas Departmental Concils Or Corsica (ODCOC)	28	2,8 %	5	2,4 %	No	0 %
	Other local authorities	55	5,4 %	12	5,8 %	2	3,4 %
	Cross-border (CB)	3	0,3 %	3	1,4 %	3	5,2 %
	Subtotal	816		112		20	
TOTAL		1 011		208		58	



* The National Road Network is managed by the State

For tunnels longer than 300 m, special regulations apply (see [CETU-Information document n°21](#)).

Similarly, for tunnels longer than 500 m, certain tunnels must meet additional European requirements (see TEN p4).

TUNNEL CHARACTERISTICS CUMULATIVE LENGTH (408 KM OF TUNNELS)



93%

of the cumulative
length
is illuminated



65%

of the cumulative
length
is ventilated



54%

of the cumulative
length is
in urban areas



68%

of the cumulative length
comprises
one-way traffic



37%

of the cumulative length
is present on the trans-
European network

TYPE OF TUNNEL (CUMULATIVE LENGTH)

Bored tunnel	232 km
Cut and cover	146 km
Mixed	22 km
Immersed	6,1 km
Other	1,6 km

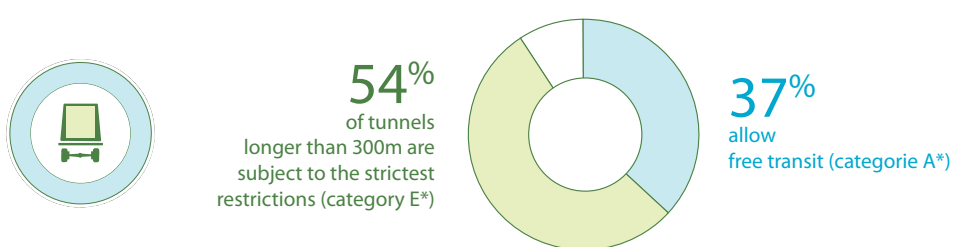
OPERATOR (CUMULATIVE LENGTH)

MCC	137 km
IDR	81 km
DC	62 km
PEIC	56 km
Municipality	27 km
CB	22 km
ODCOC	6,6 km
Other	16 km

5 ROAD TUNNELS OVER 5 KM LONG!

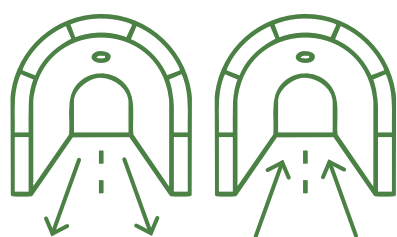
Tunnel name	Length in France (m)	Total length (m)	Owner
FRÉJUS (France / Italy)	6 580	12 870	SFTRF / SITAF
MONT-BLANC (France / Italy)	7 640	11 600	ATMB / SITMB
DUPLEX A86 (Hauts-de-Seine / Yvelines)	10 100		COFIROUTE
SOMPORT (France / Spain)	2 871	8 597	Spanish State
MAURICE LEMAIRE (Vosges / Haut-Rhin)	6 950		APRR

BREAKDOWN BY TYPE OF AUTHORISED DANGEROUS GOODS

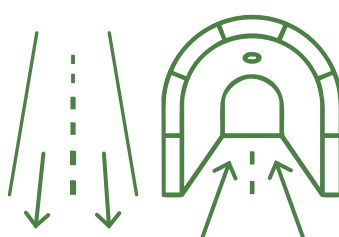


* ADR category, see [CETU – Note d'information n°17](#) for more details

BREAKDOWN BY TYPE OF TRAFFIC IN THE TUNNEL



UNIDIRECTIONAL TWIN-TUBE



UNIDIRECTIONAL SINGLE-TUBE



BI-DIRECTIONAL SINGLE-TUBE

804
 tunnels are
 single-tube

20%
 are unidirectional, with the second
 direction generally passing in the open
 air (e.g. Ponserand - 73, Borne Romaine
 - 06...)

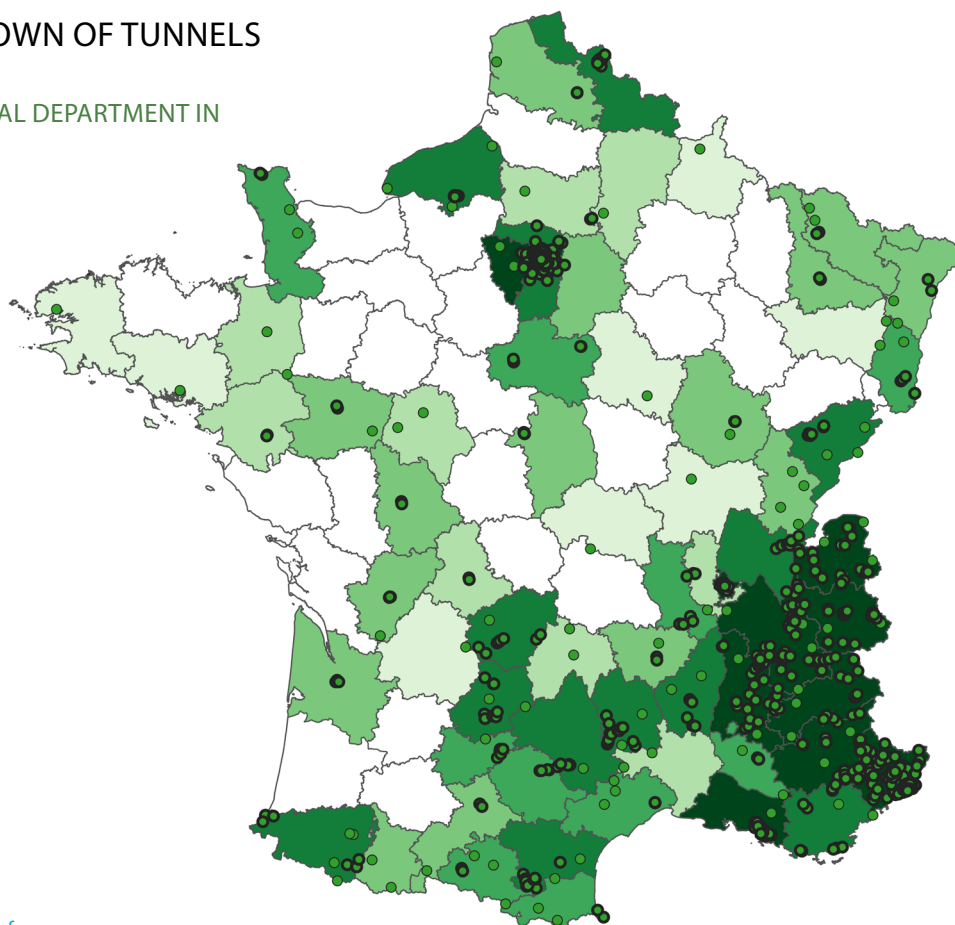
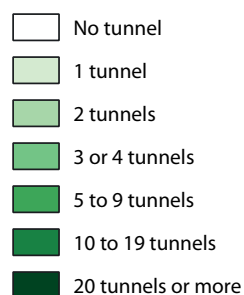
64%
 of tunnels are
 bi-directional

GEOGRAPHICAL BREAKDOWN OF TUNNELS

ROAD TUNNELS BY GEOGRAPHICAL DEPARTMENT IN METROPOLITAN FRANCE

- Several tunnels
- Single tunnel

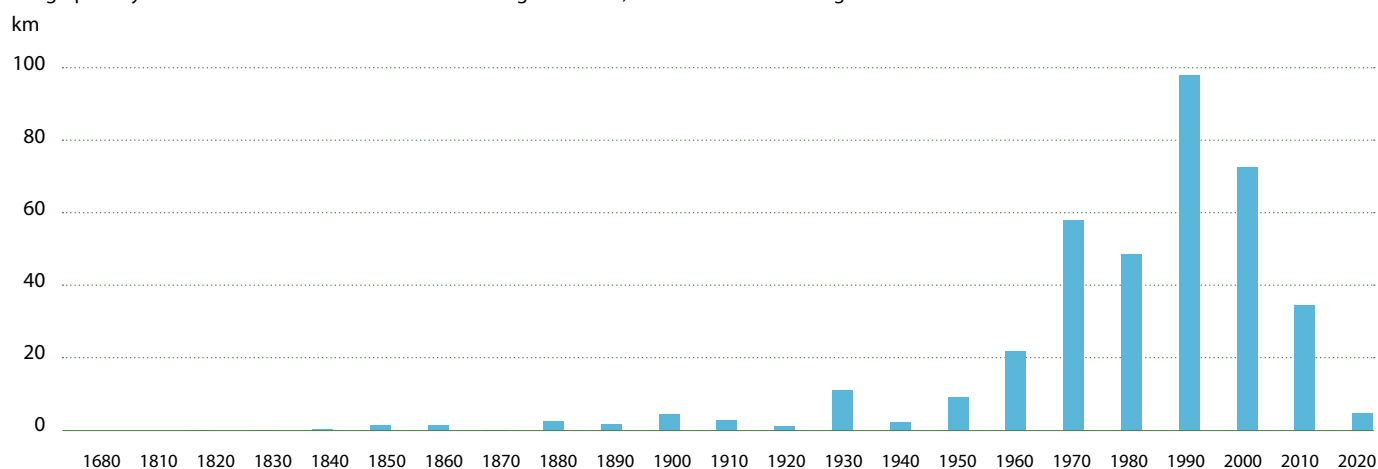
Number of tunnels by department



For more details, go to [Observatoiredestunnels.fr](https://observatoiredestunnels.fr)

BREAKDOWN OF TUNNELS BY AGE

The graph only takes into account tunnels for which the age is known, i.e. 93% of the total length of French tunnels.



1480

Year in which the oldest tunnel (La Traversette) was excavated. It is now pedestrianised and 75 m long. It lies an altitude of 2.900 m on the French-Italian border.

1820

Year in which the first bored tunnel (Les Échelles) began operation. It is 294 m long and is located in the Savoie department.

1889

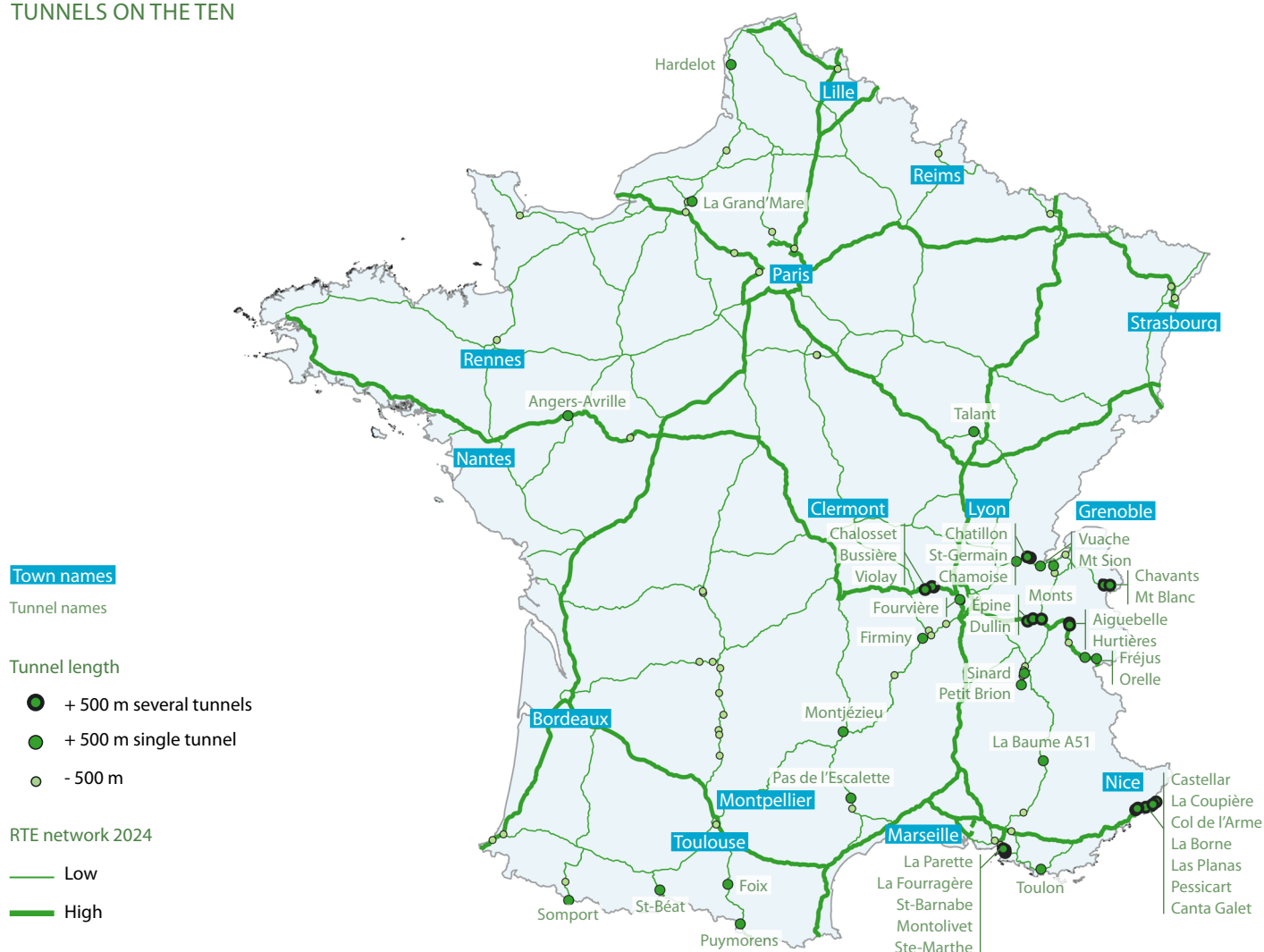
Year in which the first cut-and-cover tunnel (Saint-Hermentaire) began operation. With a length of 158 m, it is located in the Var department.

TUNNELS ON THE TRANS-EUROPEAN NETWORK (TEN)

Tunnels longer than 500 m on the TEN are subject to European Directive 2004/54/EC.

This directive notably requires the appointment of a «safety officer» for each tunnel and the systematic transmission of an incident report to the prefectural authorities after each event occurring in a tunnel (additional requirement compared to French regulations).

TUNNELS ON THE TEN



The list of the 42 tunnels over 500 m in length on the trans-European road network is given in article R. 118-4-1 of the Highway Code. Cross-border tunnels on the TEN do not appear in this article, but they are subject to the same Directive 2004/54/EC.

CONTACT

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