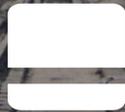


Tunnels



FREYSSINET

The Freyssinet Group

Freyssinet brings together an unrivalled set of skills in the specialist civil engineering sector. The company implements solutions with high added value in two major fields: construction and repairs.

Its services cover all types of civil engineering structures, from major bridge and tunnel projects to nuclear containment vessels, tanks, silos, hydraulic structures, buildings, etc.

Freyssinet is a subsidiary of the Soletanche Freyssinet Group, a world leader in the soils, structures and nuclear sectors.

Cover photo: Channel Tunnel



Download our general brochure at www.freyssinet.com

Tunnels

With over 70 years' experience in repairing and strengthening tunnels, passages and underground facilities, Freyssinet leads the way in this field.

Freyssinet is an expert in repair solutions, with a technical department made up of civil and chemical engineers and materials and corrosion specialists. It implements a proactive policy for the development of repair solutions under the Foreva® label. Products developed under this label are laboratory tested and approved, guaranteeing Freyssinet's customers high-quality advice, products and application.

Freyssinet's offering covers the following areas:

Structural repairs

Structural reinforcement

Renovation

Protection

Our primary concern: ensuring everyone's safety



Our "Sustainable Technology" signature expresses our commitment to offering our customers sustainable solutions that respect the environment, and to providing our employees with an environment where safety, risk management and innovation are a constant state of mind.

Managing safety on our sites is therefore our primary duty towards our employees worldwide, whatever the local regulations. We are fully committed to the goal of "Zero Lost Time Injuries"; our rules, our "non-negotiables" and our in-house tools ensure that this commitment will become reality.

"Safety is the only option"





Cracks
Fire
Water infiltration
New operating conditions
Entrust your tunnels
to the experts
Reinforcement
Compliance with standards
Repair
Widening



PUYMORENS TUNNEL FRANCE

Repair

The Puymorens Tunnel, near the border between France and Spain, has undergone major work to bring it into compliance with the latest standards. A full range of fire safety features has been installed, including heat protection, shelters and an egress passage, under the supervision of Freyssinet, which was responsible for the design and implementation of the tunnel safety improvement programme.

Freyssinet can operate as a general contractor or subcontractor to **maintain, repair, strengthen, renovate and protect your tunnels.**

Freyssinet's expert engineers, backed by its design office, can produce a detailed analysis of the extent of the problems in your tunnels in order to provide the most appropriate, durable solution possible.

Maintenance and repairs

Throughout their service life or following an accident, structures require structural repairs. As necessary, Freyssinet can perform concrete reprofiling, install waterproof membranes and stapled coverings, treat cracks and water infiltration locations.

Structural reinforcement

Freyssinet offers a number of techniques for reinforcing your structures, including shotcrete relining, shotcrete section reprofiling and additional prestressing or installing composite reinforcements, nails, etc.

Tunnel renovation

Freyssinet offers a wide range of services to modernise or adapt your structures to comply with the requirements of new conditions or standards.

Protection

To bring your structures into compliance with standards, Freyssinet can install fire protection in your tunnels and other underground facilities.

It also offers a variety of preventive and corrective techniques to protect concrete reinforcement against corrosion.

GEOTECHNICAL OFFERING

Freyssinet teams also provide geotechnical services:

- Brace prestressing
- Tie rod production
- Nailing
- All types of bar (Freyssibar 500, 670, SD)
- Bar and tie rod testing & tensioning

Download our specific brochure at
www.freyssinet.com





RN7 Orly Sud



Reyssole Tunnel



Reyssole Tunnel



SNCF Tunnel - Fréjus



Maurice Lemaire Tunnel - Ste Marie aux Mines



Ave Maria Tunnel - Boulogne



Sommery Tunnel

North and South America

Argentina
Brazil
Canada
Chile
Colombia
United States
French Guyana
Mexico
Panama
Peru
El Salvador
Venezuela

Europe

Belgium
Bulgaria
Cyprus
Denmark
Spain
Estonia
France
Hungary
Ireland
Iceland
Italy
Latvia
Lithuania
Luxembourg
Macedonia
Norway
Netherlands
Poland
Portugal
Czech Republic
Romania
United Kingdom
Russia
Serbia
Slovenia
Sweden
Switzerland
Turkey

Africa and the Middle East

South Africa
Algeria
Saudi Arabia
Egypt
United Arab Emirates
Jordan
Kuwait
Morocco
Oman
Qatar
Tunisia

Asia

Hong Kong
India
Indonesia
Japan
Macau
Malaysia
Pakistan
Philippines
Singapore
South Korea
Taiwan
Thailand
Vietnam

Oceania

Australia
New Zealand



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SUSTAINABLE TECHNOLOGY



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