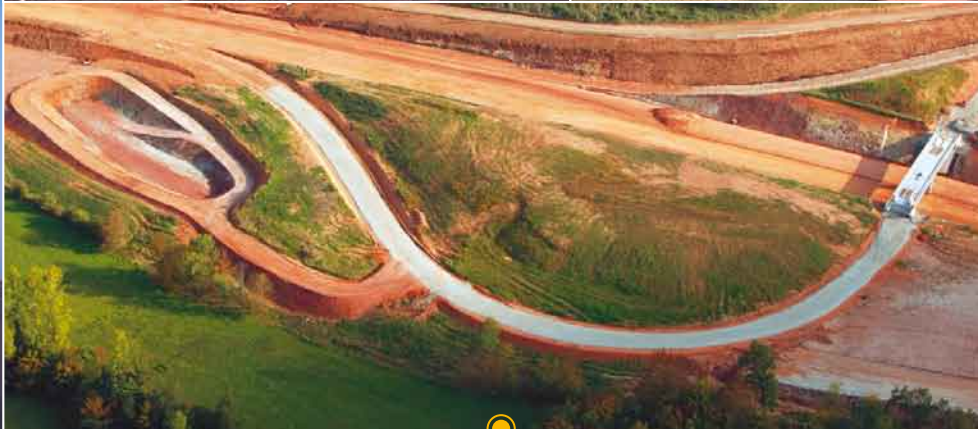


E
3.5
3.4
3.3
3.2
3.1
3.0



FRANCE INGÉNIERIE TOPOGRAPHIE

FIT helps you get your products off the ground

Services to developers, construction and public works contractors:
topography, GPS, geodesy, machine guidance, designs and quantity surveys.



Our know-how

- Geodetic networks.
- Triangulation and minor control networks.
- Vertical projections and gyroscopic measurements for subsurface traversing.
- Topographic and bathymetric surveys.
- GPS positioning and locating.
- Design studies, drawings and final quantity surveys.
- Design studies for electrical, energy and gas networks.
- Topographic layouts.
- Real-time 3D guidance for construction plant.
- Profile meter and convergence measurements in subsurface cross-sections.
- Topographic assistance at all stages of works implementation.
- Assistance during preliminary and detailed design stages and quantity surveys on site.
- Precision and real-time monitoring of structures.
- Inspection, fault detection, monitoring and analysis of vibrations and deformations on civil engineering structures.
- Use of terrestrial scanners to carry out 3D surveys, application of textures in the field of civil works and industry.
- Geometric inspections.
- As-built drawings.

Our assets

- Local presence - Mobility
 - FIT is attentive to clients' specific needs and is familiar with their fields of activity.
 - FIT's head office is located in Nantes, France, and the company operates from a network of offices throughout France.
 - To guarantee the most effective on-hand services, FIT sends teams to work in the client's premises for the duration of a project.
- Responsiveness
 - FIT acts fast. This is essential in the world of building construction and public works. FIT is large enough to mobilise operational teams in a very short time.
- Financial and professional independence
 - FIT is financially independent of any large construction group. With 20 years' professional experience gained in the field, FIT provides the answers that contractors, engineers and owners are looking for when it comes to works inspection or construction.
- Specialisation and leading-edge technology
 - FIT is committed to a training policy that enables its staff to keep pace with the constant changes in technology.
 - Through its solid investment in research and development, FIT maintains its technological and methodological know-how at the cutting edge.
- Comprehensive services
 - FIT provides a complete range of engineering assistance services, including preliminary studies, designs, selection of resources, determination of necessary investments, quantity surveys, site topography services, setting up of resources, training, acceptance and management of works. FIT thus assists clients throughout the entire working life of the projects they undertake.



3.0.7
E
3.6
E
3.5
E
3.4
E
3.3
E
3.2
E
3.1
E
3.0



I Our position on international markets

FIT assists clients in all countries throughout the world. The company works on major construction and design projects (tunnels, dams, motorways, pipelines, etc.) and provides services in a variety of high-tech fields (offshore, international aviation networks, industry, etc.).

I Our activity

FIT (France Ingénierie Topographie) aims to assist you in carrying out your projects and infrastructure works, providing you with the necessary skills and specialists in the fields of design studies, quantity surveying and topography - in a word to help ensure the successful management of your project.

A service provider, FIT is the partner of choice for all players involved in regional development, offering the main stakeholders key assistance in the design, construction, and monitoring of infrastructures and public amenities.



◀ Designer

Nantes

Arras

Les Ulis

Lyon

Brive

Valence

Toulouse

FIT provides the most technically demanding services and highly skilled specialists for all local and regional development projects.

I Our commitment

FIT provides the best specialists: engineers, topographers, computer scientists, designers, draughtsmen, quantity surveyors, technicians and administrative personnel from its qualified staff of over 100.

I Our partners in France

- Groupe FIT (FIT shareholder).
- FIT Conseil (Chartered surveyors, specialising in land-related works, property surveys, photogrammetry and digital imagery).
- ESIC SN (Specialist in industrial metrology and civil engineering, experts in very high-precision photogrammetry, working in particular in the nuclear field).
- Mémoris (Specialist in Geographical Information Systems).
- G2B (Digital aerial data acquisition and processing, using airborne laser scanners and digital cameras).

3.0
E
3.1
E
3.2
E
3.3
E
3.4
E
3.5
E
3.6
E
3.7
E

I Tunnels and subsurface works

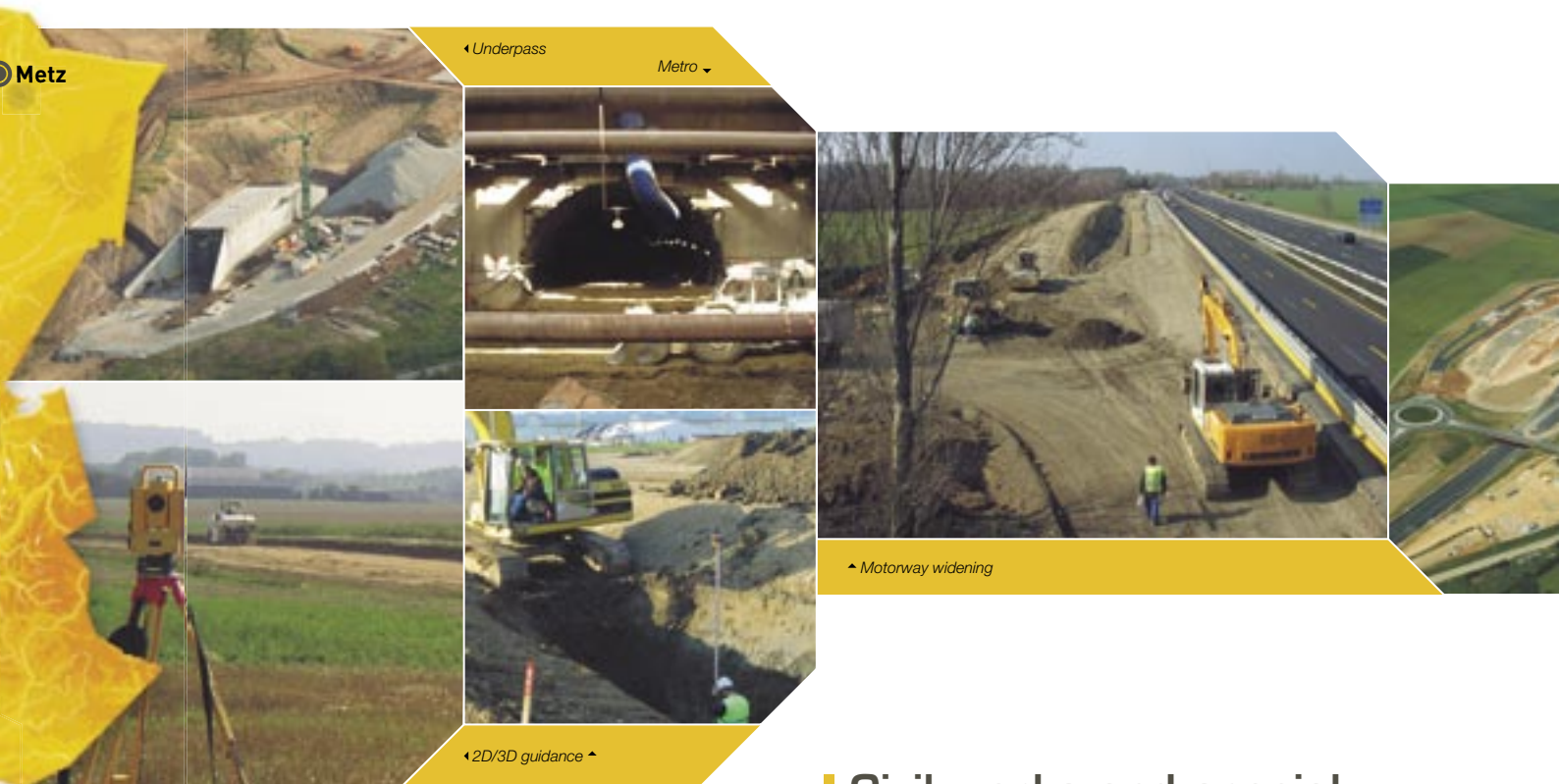
Guidance of tunnel boring machines, jumbos or boomheaders, automation of shield placing, profile measurement, etc.

FIT fully masters all the techniques involved in subsurface minor control surveys, vertical projections, gyroscopic measurements, high-precision minor control propagation and guidance services up to tunnel boring.

I Roads and motorways, road surfaces

Adjusting the thickness of road surface materials, obtaining quality certification...

Our design draughtsmen and quantity surveyors prepare working design documents for road surface and sewer system bedding layers. Our topographers take care of laying-out operations, develop and use laser and 3D guidance techniques for all types of road construction plant, levelling, grading and finishing machines. They carry out the measurements required for accepting road surface layers, and finalise all documents up to as-built drawings.



I Earthworks and sewer systems

Excavating to the right level and adapting designs quickly to meet field conditions.

FIT carries out minor control surveys for earthworks, locates centre lines and ground contact points, provides 3D guidance for earthmoving plant and studies earthworks and sewer system profiles through to quantity surveys and measurements.

I Civil works and special structures

Positioning, checking, monitoring and measuring defects to guarantee a long working life.

FIT works at the construction stage, which involves a wide range of operations: laying out and checking foundations, formwork, supports, abutments, piers, bosses, headers, etc. FIT uses sophisticated techniques for positioning structures, guaranteeing verticality, guiding pushed structures or preparing designs for technical assemblies that ensure perfect construction. FIT also performs high-precision measurements during load tests, high-precision monitoring, crack and defect detection and measurement, and real-time monitoring to anticipate and prepare repair works.

Tramways, metros and railway lines

Ensuring platform and track construction and rail laying to a high degree of precision and in acceptable conditions for urban environments.

Our teams of draughtsmen and designers are involved at the many stages of working design studies, works scheduling and traffic planning called for by this type of project. The laying-out work and topographic checks carried out by our teams of topographers help to monitor and modify projects as they progress, thus ensuring smooth implementation of the works in urban environments. The measurements they perform are used for site quantity surveys.

Networks

Studying pipeline layouts, connecting a particular point to an existing electrical network...

FIT pays special attention to the environment, applicable regulations and related requirements when working on high-risk projects of this type. Our teams of topographers perform laying-out operations on site and provide topographic assistance during the works stage. They check that works are implemented as designed.



Ports and airports

Correctly positioning IFR, VFR and heliport equipment, surveying navigation-aid locations with extreme precision in relation to the international system, surveying navigational hazards.

FIT follows extremely stringent topographic criteria in these particular fields. Our teams of engineers and topographers provide all the topographic services needed to take into account all developments in flight navigation infrastructure.

Buildings, development works, roads, utility networks and industrial sites

Positioning, monitoring, checking and verifying geometric characteristics.

FIT provides assistance through one-off specialist services (design studies, layouts, inspection, monitoring, etc.) that may call for the preparation of drawings, designs, specific reports, quantity surveys and so on.



Head office - NANTES

Route de Gachet - BP 10 703
44307 Nantes CEDEX 3 / France
Tél. 33 (0)2 40 68 54 53
Fax 33 (0)2 40 68 51 04
E-mail : nantes@fit-topo.fr

ARRAS office

15, rue de Beaufort
62000 Arras / France
Tél. 33 (0) 3 21 23 57 34
Fax 33 (0) 3 21 24 77 23
E-mail : arras@fit-topo.fr

BRIVE office

13, rue Fernand Alibert
19100 Brive La Gaillarde / France
Tél. 33 (0)5 55 87 82 77
Fax 33 (0)5 55 87 15 93
E-mail : brive@fit-topo.fr

ILE-DE-FRANCE office

Z.A.E. Courtabœuf - 11, av. de l'Atlantique
Immeuble SEMELEC
91940 Les Ulis / France
Tél. 33 (0)1 60 92 03 56
Fax 33 (0)1 69 29 94 07
E-mail : ulis@fit-topo.fr

LYON office

Le Norly 3 - 136, chemin du Moulin Carron
69130 Écully / France
Tél. 33 (0)4 72 17 52 18
Fax 33 (0)4 72 17 52 66
E-mail : lyon@fit-topo.fr

METZ office

World Trade Center (Tour A)
2 rue Augustin Fresnel - Le Technopôle
57082 Metz / France
Tél. 33 (0)3 87 35 09 87
Fax 33 (0)3 87 35 97 45
E-mail : metz@fit-topo.fr

TOULOUSE office

Immeuble KANSAS - 18, avenue de l'Europe
31520 Ramonville-Saint-Agne / France
Tél. 33 (0)5 61 75 02 95
Fax 33 (0)5 61 75 06 53
E-mail : toulouse@fit-topo.fr

VALENCE office

Immeuble CIME - 471, avenue Victor Hugo
26000 Valence / France
Tél. 33 (0)4 75 81 22 53
Fax 33 (0)4 75 81 24 57
E-mail : valence@fit-topo.fr

www.fit-topo.fr

Technical facilities:

Topographic equipment: Real-time geodetic GPS systems • Tacheometric stations and applications software for 3D guidance of all types of machine and monitoring systems • Tacheometric stations and applications software for contactless measurements and profilometry in tunnels • Terrestrial scanners and associated software for 3D surveys and texturing • Remote instrument controls for all types of topographic work at each of our tacheometric stations • High-precision digital levels and site levels, invar and simple levelling rods • Rotary and alignment lasers.

Metrological equipment: Very high-precision station for monitoring, geodesy, minor control and work in industrial environments • Very high-precision laser tracker for industrial environments, aerospace and high-precision mechanics • Very high-resolution digital cameras for industrial photogrammetry.

Bathymetric equipment: Zodiacs and echo-sounders.

Hardware: Workstations • Interactive graphics stations • Laptops • Plotters and printers.

Software packages: Design software • Geodetic calculation software and GPS applications • Precision and real-time monitoring software with alarms, convergence and crack measurements • Calculation software and topographic applications for road and rail works.

Our clients:

Construction companies: AER • AGILIS • APPIA • ARNAUD TP • BAUDIN CHATEAUNEUF • BEC • BUESA TP • CAMPENON BERNARD • CEGELEC • CHANTIERS MODERNES • CHARRIER TP • COLAS • CREGUT • DESCHIRON • DEMATHIEU et BARD • DODIN • DTP TERRASSEMENT • DV CONSTRUCTION • EBM • EHTP • EIFFEL • EIGCC • ENTREPRISE JEAN LEFEBVRE • ENTREPRISE MALET • ETPO • EUROVIA • EUROVIA GPI • FOUGEROLLE BALLOT • FRANCE RABOTAGE • FREYSSINET • GFC • LÉON GROSSE • BOUYGUES CONSTRUCTION group and subsidiaries • CARI group and subsidiaries • EIFFAGE TP group and subsidiaries • FAYAT group and subsidiaries • VINCI Constructions group and subsidiaries • GTM GÉNIE CIVIL • GTM TERRASSEMENTS • GUINTOLI • INEO • LANG TP • LE FOLL TP • LEPINE • LES PAVEURS RÉUNIS • MAIA SAUNIER • MAZZA TP • MOTER • PATOUX • PEREZ TP • PERRIER TP • CHARLES QUEYRAS • QUILLE • RAMERY TP • RAZEL • ROLAND TP • SACER • SCREG • SECODG • SEMEN TP • SERTP • SIORAT • SOGEA • SOBEA • SOLOC • SOTRAGA • SPIE BATIGNOLLES • SRTP • SURBECO • TINEL • TOFFOLUTTI • TSO • VALERIAN • VOSSLOH • WEILER...

Design and engineering companies: ARCADIS • BCEOM • BURGEAP • INGEROP • IUR • SCE • SCETAURROUTE • SEEE • SETEC...

Infrastructure managers and owners: ALIS • ASF • Aviation Civile • CARENE • COFIROUTE • Communautés de Communes et d'Agglomérations • Communes • Agglomérations • Conseils Généraux • DDE • EDF • GDF • ESCOTA • RATP • SANEF • SAPN • SAPRR • SCAO • SITA • SNCF • RFF • SOCASO • SOCATOP...

Industry: ALCATEL • BPS • CEA • CIM • COGEMA • CRYOSPACE • DASSAULT • DESCOURS et CABAUD • EADS • RENAULT...