



GINGER CEBTP

**A UNIQUE CENTRE OF EXPERTISE
SERVING THE CONSTRUCTION SECTOR**

Buildings - Roads
Civil engineering structures
Industrial works
Historic monuments



Sample
Analyse
Diagnose
Recommend
Perpetuate

INGENIERIE EUROPE

GROUPE



GINGER CEBTP

Helping you to build the future

STUDIES - EXPERTISE - PROJECT MANAGEMENT - INSPECTION - ANALYSIS

A unique centre of expertise

Serving the construction sector

Our business lines

With a know-how developed over more than 75 years of experience, GINGER CEBTP is a leading specialist in the fields of soil investigations and construction product pathologies as well as the behaviour of structures and works.

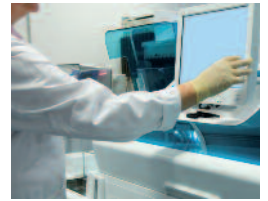
Through its scientific and technical expertise, GINGER CEBTP intervenes in all types of works, including the most complex, throughout their service lives: buildings (housing, clinics and hospitals, universities, research centres, etc...), linear works (roads, high speed railway lines, etc...), civil engineering works, industrial works and historic monuments.

Wide-ranging skill fields in three major activity sectors:

■ Geotechnology and geophysics

With its complete understanding of all investigation methods (destructive and non-destructive) GINGER CEBTP is **France's leading geotechnical expert**. Its 450 engineers and technicians have access to nearly 100 drilling workshops and central and regional soil analysis laboratories (identification and mechanical tests), allowing them to assume all geotechnical assignments.

These teams are able to **work all over the world**.



■ Works, materials and structural pathologies

A key factor for conserving and ensuring the safety of our built heritage while placing emphasis on sustainable development, this understanding of pathologies is based on **the experience of specialists and the skills of the central laboratories** as well as on **instrumentation quality**. In reaction to today's challenges, GINGER CEBTP has developed an in-depth understanding of pathologies (structural and physico-chemical) that covers the provision of **diagnoses of given situations through to prognostics concerning the service life of works**.

To continue to provide an even greater level of added value, GINGER CEBTP proposes an implementation of its recommendations by supervising rehabilitation works.

■ Inspections and tests, both on site and in the laboratory

GINGER CEBTP actively participates:

- **in inspecting and certifying all construction products:** glazing, paints, joinery, concrete components, ready-mixed concrete, scaffolding, etc... (acoustic measures, thermal performances, accelerated ageing durability tests, static and dynamic mechanical tests).
- **in inspecting and supervising works throughout their service lives** buildings, civil engineering works, linear works, etc...

Technical expertise, complex projects, sustainability of materials and works - with emphasis placed on sustainable development

- The conjunction of technical expertise, project management, the capacity to define the service lives of materials, structures and works, as well as supervision by instrumentation and monitoring, make the GINGER CEBTP teams a **major player in Sustainable Development and the preservation of assets**. These men and women, exponents of our excellence values, are the key to our success.
- The 900 employees working for GINGER CEBTP, **including PhD's, engineers and technicians**, have all received scientific and technical training in fields such as: building, civil engineering, public works, structures, materials, soil mechanics, physics, chemistry, geophysics, geology, hydrogeology, works instrumentation and monitoring.
- The networking of agencies throughout the country favours **proximity between teams and their customers**, a method that guarantees an attentive approach and the **development of the optimal technical and economic solutions**, whether in terms of recommendations or the supervision of their implementation.
- **This service quality has been acknowledged** through a large number of accreditations, approvals and certifications.



Buildings



Roads



Civil Engineering



Historic monuments



Industry

BUILDINGS - ROADS - CIVIL ENGINEERING - PUBLIC WORKS
HISTORIC MONUMENTS - INDUSTRY

GINGER CEBTP, a GINGER Group company

GINGER is one of the **leading engineering firms** in the field of developing the living environment. It intercedes throughout the skills chain necessary for equipment and infrastructures throughout their services lives, whether in terms of **expertise or engineering and turnkey and maintenance projects**.

Since its creation, GINGER has successfully developed all the skills and know-how necessary for it to become the **natural partner of companies and local authorities seeking to integrate Sustainable Development principles in their projects**: environmental impact studies, choice of construction processes and products, water management, energy management, waste management, thermal performance, acoustic performance, "green" site management, High Environmental Quality, etc.

GINGER also has two subsidiaries specialised in Sustainable Development notation and certification, a factor positioning it as leader in this field.

The Group employs **3,000 staff**, distributed across **133 agencies in France, 20 in the French overseas territories and 25 in other countries**.





Sample

- Examination of materials and information collection. Understanding the environment, the uses, the history and the life of the construction, the structure, the material or the soil.



Analyse

- Study, model and test, note the effects on the construction, the structure, the material or the soil. Understand behaviours and define service lives.



Diagnose

- Evaluate the nature, extent, impact and origin of defects. Anticipate future uses of the construction, the structure, the material or the soil. Provide protection from future defects.



Recommend

- Propose "adapted" solutions to extend the value of the asset over time. Plan, organise and manage construction, rehabilitation and improvement works.

Considerable experience and exceptional investigation tools

Our investigation and testing capacities in the fields of expertise and R&D are unique in Europe:

- **Laboratories:** Construction materials, Mechanical engineering and structures, Chemistry, Microstructures, Glazing, Joints and cladding, Acoustics, Roads and soils, Thermal and energy engineering.
- **“In situ” investigation and measurement tools:** test bore workshops, test benches and mobile laboratories, sounding instruments for structures and roads, destructive and non-destructive measuring systems developed by GINGER CEBTP R&D department, analytical monitoring of structures and works.
- **Scientific and technical softwares specifically developed by** GINGER CEBTP engineers.

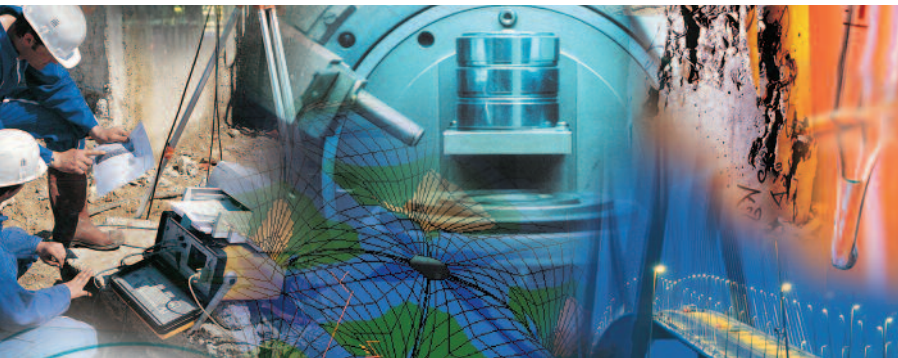
Research and innovation

- GINGER CEBTP plays a fundamental role in studying and developing new materials, processes and methodologies that respect the standards and quality criteria applied to the construction sector.

GINGER CEBTP teams actively participate in researching and developing technological innovations, resulting in a continuing contribution to progress in the construction sector.

By making innovation central to its activities, GINGER CEBTP is able to guarantee its customers the very best technologies and performance levels available.

Its role is to constantly add value to its services and continuously work to efficiently meet the needs of its customers.



The actions carried out by GINGER CEBTP go from the heart of the matter (micron-scale investigations) to the completed work in its environment (full scale).

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Find everything you need to know about
GINGER CEBTP:
www.ginger-cebtp.com

The network: skills, attentiveness,
availability, reactivity

Helping you to build the future

GINGER CEBTP is organised in **9 regional centres** covering all France. It also has a strong presence in New Caledonia, French Polynesia, Guiana, Martinique and La Réunion as well as, more recently, Algeria. In all, there are **more than 45 expertise centres** ensuring proximity to work sites and customer requirements with a maximum level of efficiency and reactivity.

INGENIERIE EUROPE

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GINGER CEBTP is part
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