



Sustainable technology, construction
and development

34, avenue de Bayonne
64600 ANGLET
France

Tél : +33 (0)5 59 03 61 29
Fax : +33 (0)5 59 63 55 41

SIRET : 451 931 208 00024 – APE : 742C

www.nobatek.com

Technological Resources Center (CRT)

Nobatek is a technological resource center (CRT) which intervenes in sustainable construction and the domains of development, with a technological expertise and materials.

Our multidisciplinary team leads projects with companies in support of the technological centres of the Tecnalía * Foundation, and with the laboratories of the Bordeaux 1 University, giving Nobatek a European dimension.

We intervene with project owners, project managers, and industrials by accompanying their initiatives to innovations through our technological and environmental added value.

Nobatek is a certified Centre of Technological Resources, which allows customers from small and medium companies to acquire the financial aid such as Credit Taxes available for research.

**The Tecnalía foundation includes six technological centres based in Spain with more than 1300 engineers and researchers working on international projects in multiple scientific and technical domains.*

Technological Innovation

Products and innovative constructive processes. Product development, accompanying industrialists and companies for implementation.

Environmental impact of products and eco-conception. Evaluating by analysing the life cycle (simplified FDES, ACV) and improving environmental performances.

Product characterization and certification. Certified analysis and essays on materials and constructive system.

Waste recovery. Development of recovery solutions for the construction wastes and recovery of industrial wastes in building materials.

Technological marketing and human factor. Analysis of needs and acceptance of technological innovation.

Creativity approach. Guidance and support to innovation in the construction market

Construction and sustainable development

Environmental quality of construction operations.

Definition, implementation and monitoring of environmental procedures for operations in building construction.

Sustainable development and eco-districts.

Support in the design and implementation of eco-neighborhoods and sustainable development of districts.

Environmental impact of buildings.

Evaluation and optimization of the environmental impact of buildings throughout their life cycle.

Thermal simulation and comfort parameters.

Simulation, comparison and validation of technical solutions: energy, heat, acoustic, visual comfort.

Rehabilitation and restoration of cultural (historical) heritage.

Analysis of pathologies and the definition of restoration solutions.

Energy performance of buildings in their environment

Energy expertise of built heritage. Intervention with expertise in both energy diagnosis and analysis of construction pathologies.

Instrumentation of buildings for monitoring energy consumption. Monitoring of building performance and comfort level of its occupants in real time, using sensors and specific developed metrology tools.

Smart systems for monitoring building energy consumption. Use of ICT in the control and monitoring of energy consumption, allowing interface with the occupier.

Thermal simulation and energy/comfort optimization

Support for architects and project management teams in design phase by using simulation tools

Design (conception) of buildings with high energy and environmental performance.

Support for building owners et builders, from conception to realization of efficient buildings, based on benchmarks and labels in force (BBC, BEPOS, LEED, HQE, ...).