

# Company Profile

Infrastructures  
Hydraulic  
Environment  
Water management



Design solutions and geosynthetic products  
for civil, hydraulic, environmental and  
geotechnical engineering works.



# Services

Design support services and technical consultancy provided to surveyors, architects and engineers for the development of their projects, from preliminary evaluation to the definition of final details, but also for contractors, from initial cost estimates to the installation of geosynthetic materials.

- + STUDY OF OPTIMAL SOLUTION
- + ALTERNATIVE DESIGN OPTIONS
- + GEOTECHNICAL SIZING
- + HYDRAULIC SIZING
- + STUDY OF LAYERED INSTALLATION
- + VERIFICATION OF TEXTILE STRUCTURE
- + LABORATORY AND ON-SITE TESTING
- + DRAFTING OF DESIGN OUTPUT DOCUMENTS
- + SUPPLY OF GEOSYNTHETIC PRODUCTS
- + HELP AND SUPPORT WITH INSTALLATION





# Applications

Geosintex offers design solutions, using geosynthetics, which take account of the need to guarantee promised performance, optimize installation procedures and minimize the economic and environment impact of the project. The main areas of activity can be classified as follows:

## + INFRASTRUCTURES

Design solutions for:

- > reinforcement and remediation of foundations and beds
- > repair and reinforcement of bituminous road surfaces
- > control of infiltrations and protection of earth-retaining structures
- > creation of slopes and walls using soil reinforcement methods

## + HYDRAULIC ENGINEERING

Study of systems for:

- > reinforcement and protection against erosion for banks and shores of water courses
- > creation of surface water collection basins
- > coastal defences
- > ballasting and protection of submerged structures

## + ENVIRONMENT

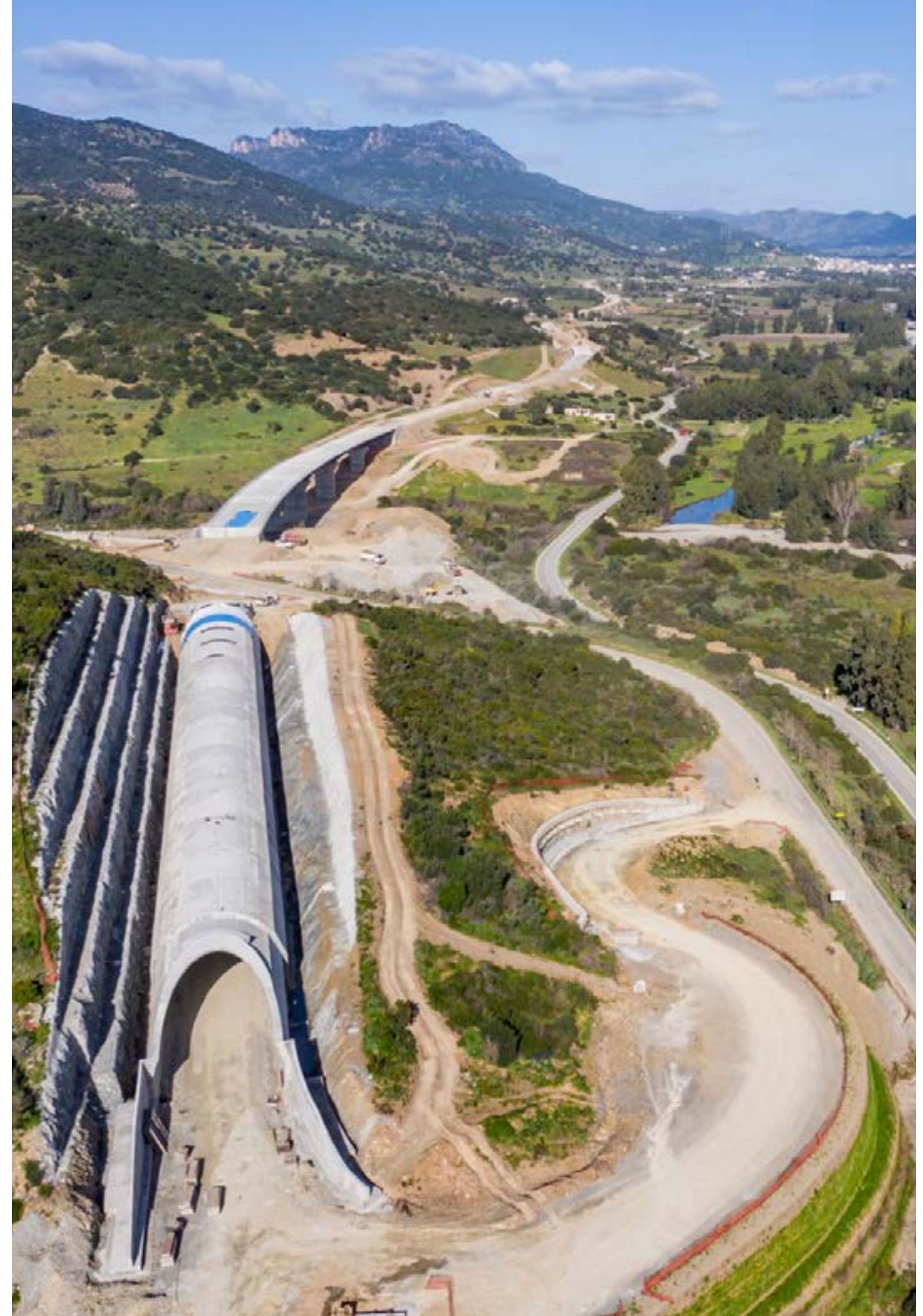
Design proposals for:

- > installation of barrier systems in landfills
- > dewatering of mud and sludge
- > encapsulation of contaminated soils in clean-up operations

## + STORMWATER MANAGEMENT

Sustainable management solutions for:

- > platform drainage in road works
- > protection of new constructions
- > resolution of critical hydraulic conditions in existing scenarios
- > recovery and re-utilization of water resources





# Products



Geosynthetic products offered by the company are in compliance with European Directive 305/2011, which governs CE marking for construction materials. The functions and applications of geosynthetics offered by the company comply with all provisions of sector-related harmonized legislation.

GEOSINTEX operates under a business management system responding to ISO 9001:2008 standard, certified by DNV, and collaborates actively with the main European laboratories of interest in running tests on the various products of its range.

## + GEOSYNTHETICS FOR SOIL REINFORCEMENT

EDILGRID®

Functions: R

Woven geogrids presenting a flat mesh structure, consisting of polyester filaments and impregnated with a protective coating of synthetic resin.



## + DRAINAGE GEOCOMPOSITES

NEWDRAIN® SINTEXDRAIN®

Functions: D+F+S

Drainage system consisting in one of more layers of non-woven polypropylene geotextile bonded with SINTEXDRAIN® three-dimensional diamond link mesh geogrid made of HDPE, or with NEWDRAIN® matted polypropylene filaments.

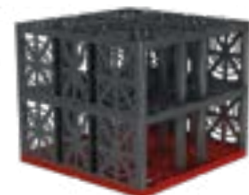


## + DRAINAGE MODULES

ECOBLOC INFILTRATION TUNNEL

Functions: D

Modular systems made of plastic, which can be used for the creation of basins or cisterns allowing infiltration, lamination or storage of rainwater collected by the drainage network



## + GEOCONTAINERS

FILTER UNIT® SINTEXMATTRESS® SINTEXTUBE®

Functions: E

Geosynthetic structures for the retention of stones, concrete or dredged sediment as part of erosion control or dewatering operations in the sphere of hydraulic and marine works



## + GEOSYNTHETICS FOR ASPHALT REINFORCEMENT

ASPHAGLASS® GLASSCOMP®

Functions: R+StR

Geogrids made of glass fibre and polyester, bituminized, intended specifically for reinforcing asphalt. Available in adhesive coated (SA) and composite (COMP) versions.



## + NONWOVEN GEOTEXTILES

GEODREN®

Functions: P+F+S+D+R

Range of non-woven polyester and polypropylene geotextiles, bonded by mechanical pressing and hot-calendering processes.



## + WOVEN GEOTEXTILES

GEODREN® W-PES GEODREN® W-PP

Functions: R+F+S

Range of high strength woven polypropylene (W-PP) and polyester (W-PES) geotextiles, intended specifically for soil reinforcement and separation.



## + GEOMATS AND BIOMATS

SINTEXMAT®

Functions: E

Geomats, effective against soil erosion caused by the action of water and wind.





- + Professionalism
- + Sustainability
- + Collaboration
- + Support

GEOSINTEX has been operating in the world of geosynthetics since 1989, offering specialist expertise and geosynthetic products. In partnership with suppliers of international renown, constantly seeking out the most innovative products on the market, researching and developing new solutions and gathering knowledge in the field, alongside designers and contractors, GEOSINTEX is able to renew its capabilities continuously and take on new challenges and experiences in the sector.

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