



Reinforcement of a sandy road in a desert area and developing of inaccessible agricultural areas

The challenge

- It is necessary to cross the desert areas to reach the isolated agricultural lands.
Even the 4×4 vehicles get stuck in the sandy areas.
- Need to create a firm and stable lane on a sandy terrain for the development of the agricultural areas, ensuring the regular transport of people and equipment.

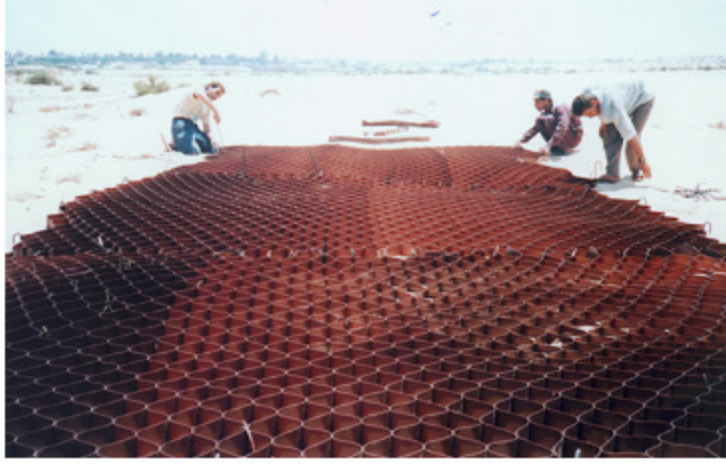
About GeoGlobe® Europe

Being aware of the geological, ecological, economic and human challenges of our century, GeoGlobe® Europe company designs and manufactures geosynthetic systems for soil stabilization and erosion control and puts its know-how and its experience in service of the Earth Stabilization.

Being dynamic, GeoGlobe® Europe consists of a team of specialists with a permanent and consistent participation in the world's geosynthetic committees. GeoGlobe® Europe continuously invests in research and development of technologies whose effectiveness is proven in long terms.

Based on many years of experience in studying and realization of geosynthetic solutions applied in the infrastructure projects and terrain stabilization, we focus on the feasibility and durability of the solutions.

GeoGlobe® Europe takes care to offer today's customized solutions harmoniously combining the technical performance at the level of civil engineering with the human pledge including the socioeconomic development and the ecological engineering in respect to the environment for a more stable future.



The Solution

To reinforce the sandy tracks with the units of GeoGlobe®, filled with local sand.

The alternative solution

To build a conventional road with granular materials or crushed stones, a method which is often rejected because of cost, complicated problems with maintenance and logistics.

GeoGlobe® approach and its advantages

To reinforce the tracks using the natural local resources to build a stable lane, in a safety manner, in order to meet the economic and human requirements.



The technology – simple, effective, economical and durable

Placed on a geotextile above the sandy terrain, the confinement system GeoGlobe® is installed and filled with local sand, which is available on site, and then compacted. Note that each passing vehicle on the reinforced track helps to compact the filling material.

The result

Thanks to the reinforcement of the tracks with the confinement system filled with local sand, the vehicle traffic in a desert area is possible and safe even for heavy-weight vehicles. The objective is fully achieved because the rapidly and cheaply built road on sand, which doesn't have a need for maintenance or a qualified staff for its construction, allows opening up rural areas and promoting their economic development with regular transportation of people and equipment.

