

Deliverable A2-1

Design of the pilot plant (CAD)

Within the LIFE DIANA project, the petroleum refinery sludge produced by the Refinery of Motor Oil Hellas is treated with industrial minerals and the output of the stabilization process is the engineered soil that can be used in different end applications such as landfilling.

The petroleum refinery sludges stabilization is a chemical process, which involves an initial mixing of the hazardous refinery sludge with the stabilizing mineral, followed by the main core of the process in which the produced pollutants are immobilized and restrained. The relative flowsheet of the process is presented in the deliverable.

A design of the pilot plant is presented where the area and the relative equipment required are described.