

MAPEI

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During 2010 the **UTT “Underground Technology Team”**, the division of the MAPEI group fully specialized to the underground activity, continued the development of its international applications of technologies within the Construction Industry, by the expansion of the activities, increasing product development resources, and strengthening development of its service business with the help of trained and experienced technical personal.

MAPEI UTT, as main supplier in some mechanized tunneling job sites, such as the Metro Line C in Rome (20 Km excavated up to now) and the hydraulic tunnel “Maldonado” in Buenos Aires (10 km up to now), has successfully applied ground conditioning products, such as the foaming agents of POLYFOAMER and STABILFOAM ranges, admixtures for backfill grouting (MAPEQUICK CBS SYSTEM), and greases (MAPEBLOX range).

MAPEI UTT is the market leader in Europe and Scandinavian countries (in particular Finland), for supplying chemical products in traditional tunnelling methods. The complete range of alkali-free accelerators (MAPEQUICK), rock-bolting anchoring products, PC super-plasticizers (DYNAMON series) and other admixtures for concrete, etc. allows us to be able to provide always the optimal solution to our customers, from a technical and economical point of view.

For example, during 2010 MAPEI products were applied in Southern Norway for the construction of the new 38.3km-long E18 highway from Grimstad to Kristiansand, including 7 rock tunnels for a total of almost 12 km.

In Italy, UTT participated as main supplier of alkali-free accelerators for the "Base Tunnel" (2x9 km tunnels with a 160 m² cross section) in the highway "Variante di Valico" project between Bologna and Firenze.

As far as tunnel waterproofing is concerned, we offer a full range of solutions, including PVC sheets (MAPEPLAN range), one-component sprayable polymeric membrane (MAPELASTIC TU SYSTEM), chemical resins for injection (polyurethane, organo-mineral, epoxy).

UTT MAPEI gave its important contribute during the construction of the first immersed tunnel "Bjorvika" project, at the city center of Oslo in Norway, where MAPEPOXY and MAPECURE products were applied, in order to protect and repair the underwater concrete structures.

Source: ITA-AITES Tribune #40, May 2011, ITA "Prime Sponsors" report 2010