EarthTec International

Mechanically Stabilised Earth (MSE) Wall System

EARTHTEC ECO

Our History

EarthTec International has been involved in the design and supply of innovative MSE systems in Europe and the USA for over 20 years and in the Middle East and Africa for over 15 years. We offer a range of high quality systems and deliver solutions to the Client on either a design and supply or design and construct basis to suit the relevant resources and project needs. Our structures are typically designed and detailed to meet either the AASHTO LRFD or BS8006 codes of practice and we carry a British Board of Agrément Certificate for our products.

Our systems have been successfully applied to the full range of engineering challenges, including highway structures exceeding 18m in height. Applying a combination of design and construction expertise, we employ our proven systems to deliver solutions that best meet the Client specific project challenges. Some of the structures we deliver include:

- MSE Embankments
- Cut Walls and Mixed Cut & Fill Structures
- Bridge Abutments
- Below Grade / Pressure Relief Walls
- Temporary MSE Structures
- Industrial & Mining Structures
- River and Marine Walls
- Green Walls and Steep Slopes

Whether located in conventional or chemically aggressive soil conditions, our innovative solutions offer cost-effective options to meet a variety of challenging site conditions and performance criteria.

Our System

EarthTrac (FASTEN) ™ is a Mechanically Stabilized Earth ("MSE") Wall System specifically designed for use in aggressive soil environments. The EarthTrac™ system provides robust, easily constructed and economical choice for owners, engineers and contractors.

EarthTrac (FASTEN) ™ high tenacity polymer coated polyester reinforcements are virtually impervious to chemical attack and exhibit excellent physical properties at elevated soil temperatures.

Facing panels have been designed with added reinforcement cover to ensure robust performance over extended structure design life, often exceeding 100 years.

A positive mechanical connection between the facing panels and the soil reinforcement is made using a pultruded Glass Fibre dowel of Vinyl-ester and E glass.

Our Services

EarthTec, in cooperation with our local partners ECO, offer a full range of professional services designed to ensure project success.

Design services are provided by EarthTec's team of professional engineers who bring decades of MSE experience. We design to a range of standards and codes, including British Standards, Eurocode, and AASHTO according to the owners' preferences and specifications. And we ensure that a project's architectural details are effectively incorporated with the projects engineering requirements.

Extensive Technical assistance is provided by our local support engineers to help with all aspects of the site operations, from setting up the site precast to ensuring the effective QA procedures are established and followed.

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Our Projects

Improvement and Traffic Alleviation on the IP's and Roads around the Abu Dhabi National Exhibition Center (ADNEC)

Khalifa Port Interchange
Abu Dhabi

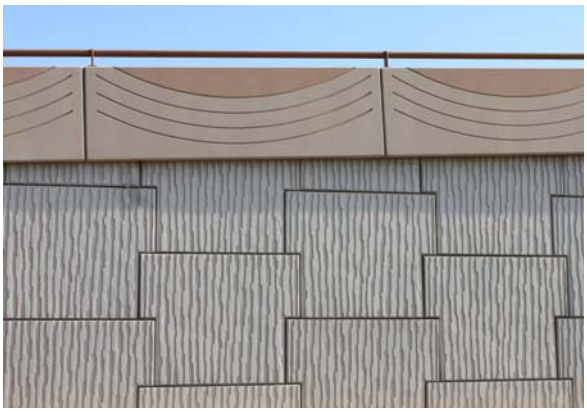
Dibba Al Hisn Road
Fujairah

Al Zorah Development
Ajman

Dualling of Al FayaDhah Road
Abu Dhabi

Sheik Ammar Al Nuaimi Bridge
Ajman

Our Projects



Bridge & Tunnels at IP-44
Abu Dhabi, UAE

Roads for the New Industrial Area in
Mussafah West, Abu Dhabi, UAE

Nahil (E20) Bridge and Underpass
Abu Dhabi, UAE

Al Raha IC6
Abu Dhabi, UAE

Upgrading & Improvement of Al Qusaidat
Ras Al Khaimah, UAE

Nadd Al Hamar/Beirut Road Tunnels

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Our Projects

Improvement of Al Hamidiya
Ajman

Construction of Two Bridges in Al Etihad Road, Ajman

Reconstruction of Mafraq Interchange
Abu Dhabi

Sectors 2 & 3 Al Reem Island Development
Abu Dhabi

Abu Dhabi – Dubai Road Contract 1B
Abu Dhabi

Muscat City Centre
Oman