



## EarthTEC innovation introduces a cost-effective reinforced earth wall for remote sites

### REINFORCED EARTH

REF No. E/RE-1023

**Client:** INCO  
**Location:** Noumea, New Caledonia  
**Project:** Goro Nickel project

The Goro Nickel project is the largest single-stage construction project ever undertaken in the nickel industry. When completed, it will have a production capacity of 60,100 tonnes.

As part of the construction work, a 14m high Rom Pad (Dump Wall) was required. The wall would allow 174 tonne dump trucks to discharge materials into the plant for processing.

A number of mechanically-stabilised Earth (MSE) Systems were evaluated and EarthTEC's metTEC™ System was selected following a rigorous evaluation process. EarthTEC was engaged by INCO on a design, supply and technical services basis to deliver the metTEC™ wall.

EarthTEC engaged consultants Parsons Brinkerhoff to assist with the geotechnical design of the project. The metTEC™ fascia units were fabricated in Australia and shipped to New Caledonia along with high strength woven geotextiles supplied

by Maccaferri, with soil reinforcement and associated accessories.

Please contact our Sydney head office to meet with an EarthTEC

### The finished wall has a face area of over 1500m<sup>2</sup> and is the first of its kind in the world.

EarthTEC's close involvement with the on-site project team has enabled a number of site generated change requests to be dealt with to achieve a solution tailored to meet the client's exacting requirements. The finished wall has a face area of 1500m<sup>2</sup> and is the first of its kind in the world.

The metTEC™ System offers significant advantages over conventional reinforced earth walls and has been developed to accommodate a wide range of on-site fill materials and provides an integrated safety system to reduce the working at height risks associated with this type of construction. The metTEC™ System is ideally suited to industrial and remote sites.

representative in your state to discuss your project:

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