



CIVIL WORKS

REF No. E/EC-918N

Client: Sydney Airport Corporation (SACL)
Location: Sydney International Airport, Mascot, NSW
Project: Runway Flank Protection Trials

In preparation for the introduction of Airbus A380, Sydney Airports Corporation Limited (SACL) commissioned a study of available systems for the runway flank protection. As the new planes wing span would be considerably larger than any of the existing aircraft servicing Sydney, it was recognised that the airports runway aprons would need to be extended to prevent loose material and debris damaging the planes engines.

Under the trial, test pads for each system under consideration would be constructed at specially selected areas within the airport. Trilock blocks were proposed for the trial, and block manufacturer Pioneer nominated EarthTEC to provide the installation services.

No materials could be stored at site within the airport confines so careful planning was essential to coordinate the excavation, sub-base preparation,

block delivery and installation activities. The challenge was to achieve all this within a six hour shift so that the runways would be available for air traffic by the next morning.

EarthTEC planned each work activity with military precision, taking into account timing loads and delivery cycles, potential weather delays, security procedures and traffic delays.

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Initial work sections were completed in 80sq.m units, often finishing well ahead of the scheduled completion time. As originally planned, once the installation systems were proven, larger areas were undertaken and productivity increased significantly due to the increased working area.

In all, a total of 1300sqm of Trilock was installed including the associated turfing to areas disturbed by the construction works.

Please contact our Sydney head office to meet with an EarthTEC representative in your state to discuss your project:

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