

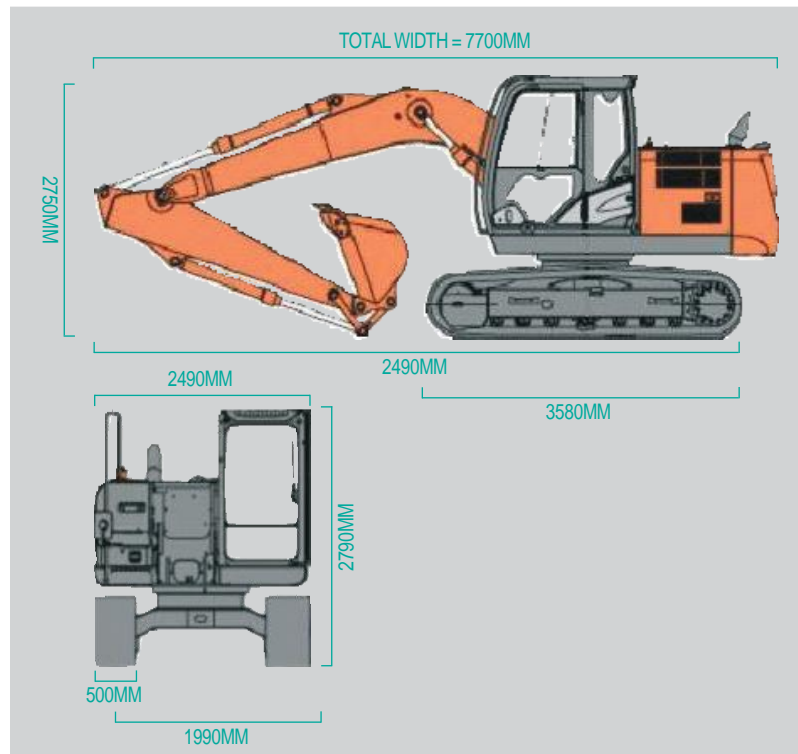
## 8.5 TONNE MOBILE RAMS (CPT018)

These detachable mobile rams have been designed and built specifically to accommodate harsh, challenging sites such as peat bogs and floodplains. The rams are attached to a medium sized excavator which provides us with both the reaction force needed and the hydraulic power to test efficiently to produce quality data for our clients. Furthermore, this enables us to travel quickly between tests and work to our full potential. This set of rams and excavator are based in central Ireland and can save our client on mobilisation costs.

### CPT RIG DETAILS

DRIVE SYSTEM	TRACKED
TOTAL WEIGHT	8.5 TONNES
CPT RAM THRUST CAPACITY	20 TONNES
MAXIMUM PENETRATION	20-30M DEPENDING ON THE GROUND CONDITIONS.
PERFORMANCE RATES	100-150M OF TESTING A DAY, DEPENDING ON ACCESS TO POSITIONS.
TYPICAL SITES FOR THIS RIG	SOFT BOGGY SITES. E.G. PEAT BOGS AND FLOODPLAINS.

### CPT RIG DIMENSIONS



Monaghan



Cork



Sligo

## PROJECT REVIEW

In Situ Site Investigation were involved in a project in Athlone, Ireland. This was part of the major flood defence scheme developing in the Shannon region. The town has suffered substantial flooding over the past number of years leading to various flood designs being implemented to alleviate this hazard.

In Situ were able to carry out CPTs in various locations around the town of Athlone, which were determined as areas of high risk for current and future flooding.

CPTs can determine the permeability of the soil, and these tests proved to be very successful in identifying the characteristics of the underlying material, allowing the engineers to implement the right design.

Our new Irish based CPT system was extremely effective throughout the project; the rugged terrain encountered along the banks of the river was overcome using our specialised mobile rams attached to an excavator. Due to its relatively compact nature and manoeuvrability, it easily passed over difficult terrain and also through the urbanised areas of the town.



**IN SITU SITE INVESTIGATION**  
Innovation Centre, Highfield Drive, St Leonards On Sea,  
East Sussex, TN38 9UH, UK

T: +44 (0) 845 862 0558  
E: [info@insitusi.com](mailto:info@insitusi.com)