

VCC

Structural Support

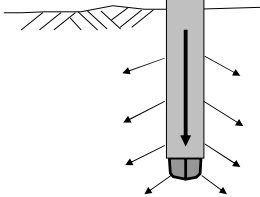
Ground Improvement

Advantages of Using Vibro Concrete Columns are
 Fast to Install
 Displace existing ground
 Have No Spoil Arisings
 Efficient System for Ground Improvement and Support



1

With the largest vibro hammers in the country Eco can drive the outer casing through most ground types displacing the soils and Improvement of surrounding



2

On reaching the required depth concrete is pumped into the casing, the bottom gate opens and the concrete is released.



Case Study

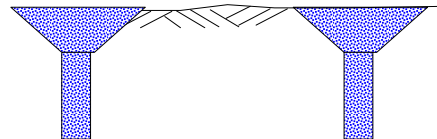
Project:
Waste Recycling Centre, Marsh Road, Rhyl

Scope of works:
1,100 No 400mm Diameter columns 9.5m long.

Installation Period:
16 Days with One machine

Plant:
RTG 19 Telescopic Leader Rig, MR125 Vibro, 125mm Concrete Pump, VCC Steel Casing

Utilising the tapered former prior to installing the column the pile head can be enlarged to provide a large area of support for road, rail or even structural slab



3

As the casing is being extracted the concrete transfers into the formed pile



4

Once the concrete has been poured then the steel reinforcing can be installed.

