

Seismic Test + Dynamic Penetrometer

Solar PV focussed test





GEOINTEC

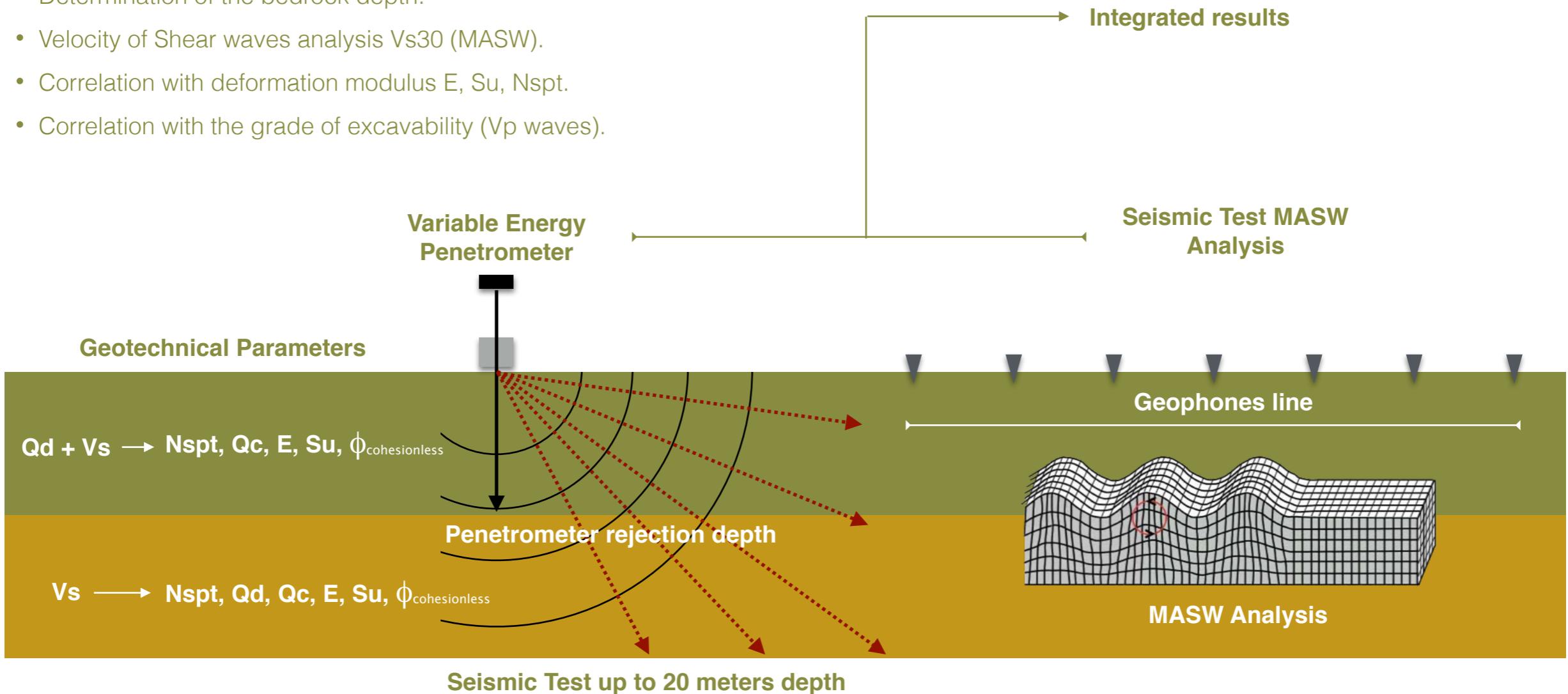
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Geointec combines the variable energy penetrometer with seismic techniques in order to achieve/ increase the investigation depth in hard soils.

Advantages of the method:

- Ensure the investigation depth.
- Determination of the soil compactness.
- Determination of the bedrock depth.
- Velocity of Shear waves analysis Vs30 (MASW).
- Correlation with deformation modulus E, Su, Nspt.
- Correlation with the grade of excavability (Vp waves).



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Case 1. Dynamic penetrometer test only:

Variable Energy
Penetrometer

Topsoil

Rejection depth

Hard Soil

Topsoil characterization **OK**

Hard soil characterization
Not fulfilled

Case 2. Seismic Test + Dynamic penetrometer test:

Variable Energy
Penetrometer
+
Seismic Test

Topsoil

Rejection depth

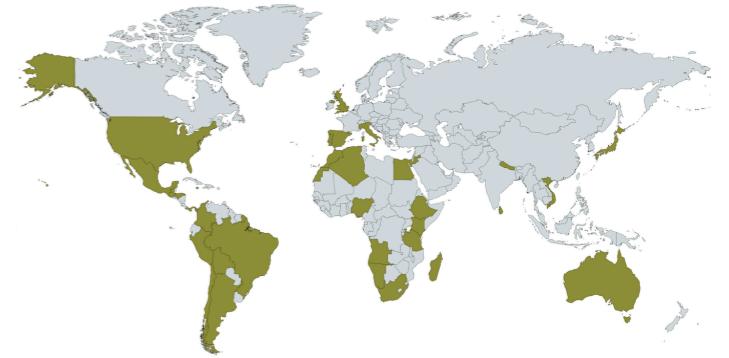
V_{s30}

Hard Soil

Topsoil characterization **OK**

Hard soil characterization
OK

Soil compactness
Shear strength parameters
Deformability
Excavability



WORLDWIDE EXPERIENCE

HEAD OFFICE
Princesa 25,
Planta 3, Oficina 5,
28008. Madrid, España
+34 91 715 44 85

GEOINTEC EUROPE
2 Place Gailleton
Centre d'Affaires E.G.
69002 Lyon - France
+33 (0)4 87 38 76 73

GEOINTEC AMERICA
Avenida Nueva Tajamar 481
Oficina 1403, Las Condes.
7550099 Santiago - Chile
+56 224053662

Granada 193
Nueva España
25210 Saltillo - México
+52 55 84219616