

The **Medusa DMT** is a fully automated probe able to autonomously perform standard dilatometer tests **onshore** and **offshore**. An electronic board, powered by rechargeable batteries, activates a motorized syringe for hydraulically expanding the DMT membrane.

The device may operate as **cabless** (MEMO mode) or with an **electrical cable** (CPT cable) for **real time results**. The Medusa SDMT includes sensors for measuring the **shear wave velocity Vs**.

The blade has the same dimensions of the original Marchetti Flat Plate Dilatometer.

Main Characteristics

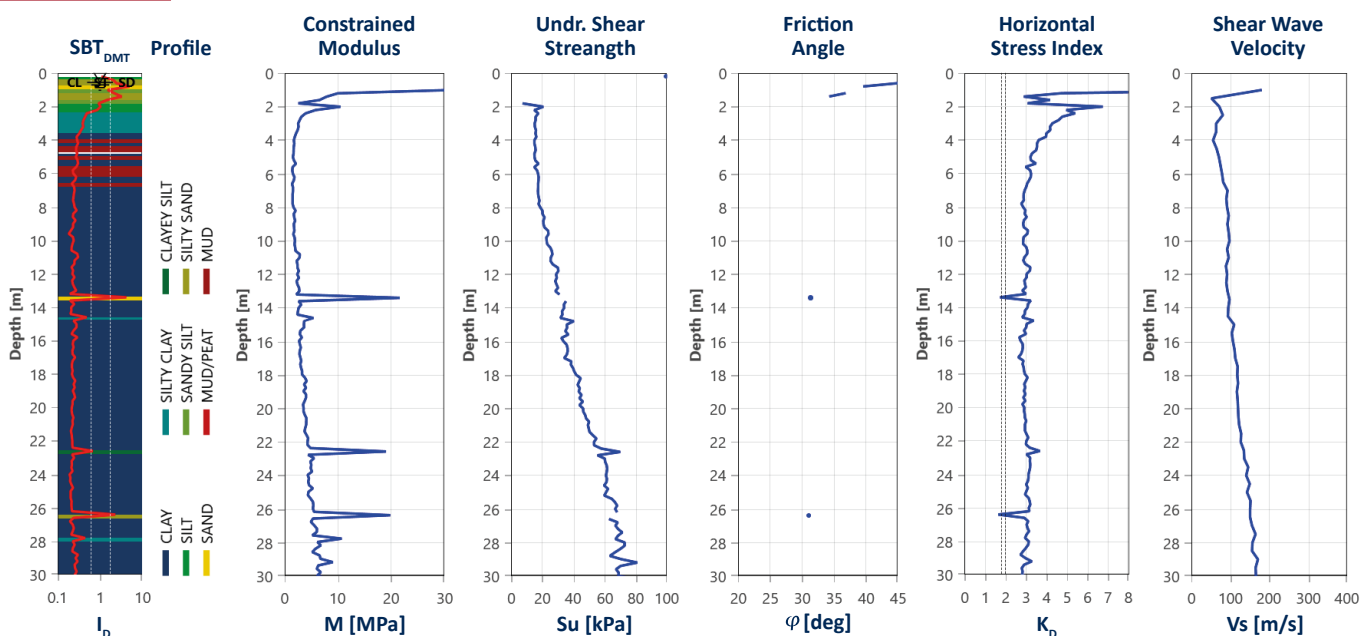
- Onshore and Offshore (~ 1500 m)
- Pressure up to 200 bar (20 MPa)
- Rechargeable batteries
- Cableless or Electric cable for real time
- Any penetration machine (20 ton limit)
- Adaptable to wireline
- Standard Test Procedures (ISO, ASTM, Eurocode)

Advantages

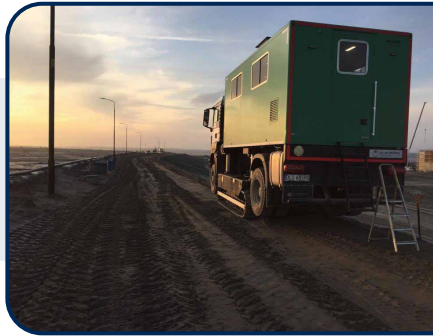
- Simple and rapid Interchangeability with CPT
- Standard DMT data interpretation (since 1980)
- Fully automated (no operator)
- High Accuracy and Repeatability
- Compact equipment (air-shipped)



Results



**Zelazny Most
(Poland 2019)**



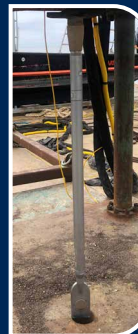
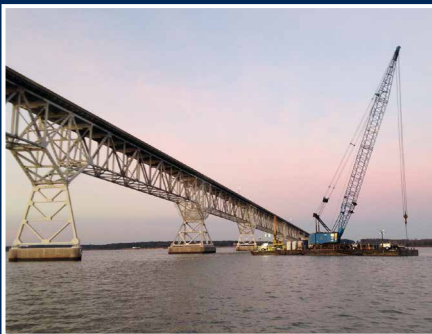
**Raggal
(Austria 2020)**



**Vado Ligure
(Italy 2020)**



**Lago Maggiore
(Italy 2016)**



**East Coast
(USA 2016)**

**Svalbard
(Norway 2021)**

