



Sustainable Technology

Vertical Drains

Vertical drainage can be used to accelerate the consolidation of impervious soils. Vertical drains are flat or round flexible plastic tubes. MENARD SOLTRAITEMENT has developed its own range of drain installation equipment to cope with a wide variety of subsoil conditions. The picture above shows a static 45 m cable leader machine which can be equipped with a vibrator.



Sand or granular columns may also be used to provide vertical drainage, depending on the type and nature of the soil.

Commonly, a temporary embankment is used in conjunction with vertical drainage to pre-load the ground in order to reach a total primary consolidation and a guarantee of several decades concerning secondary consolidation.

The MENARD VACUUM consolidation process is a much more effective preloading system which saves time and materials. When these methods are used it is usual to install instrumentation to monitor the consolidation in real time.



Sustainable Technology