

VE-SPIRIT Trackbed Stabilisation System

Van Elle's unique piling system designed to stabilise both new and existing track quickly, safely, cost effectively to the highest standards.



- Bespoke masts ranging from 4m to 9m in length.
- Purpose-built piles design based on screwpile technology designed to maximise load capacity whilst being installed between existing sleepers.
- Piles have a 125 year design life.
- Piles installed based upon both a designed length and minimum required torque to achieve load capacity.
- Piles can be extended without additional design if minimum torque is not achieved therefore saving both costs and programme.
- Verticality and accuracy significantly improved over traditional piling methods.
- Significantly more cost effective than traditional piling solutions.
- Significantly quicker to install than traditional piling solutions.
- Fully remote controlled drilling system.
- Fully caged rotary system with automatic cut-offs maximising safety.
- Piles can be installed both inside and outside of the 4-foot to a maximum reach of 7m whilst still on-track.
- LED lighting enabling safe working in all locations at all times.