

BANK STABILISATION SOLUTIONS.

OUR BANK STABILISATION SOLUTIONS.

Embankment stabilisation is often but not always associated with retaining wall failure. Optera are experts in investigating and diagnosing the cause of slope failure. Whilst not exhaustive, slope failure is typically associated with increased weight at the top of the slope, water saturation, leading to a loss of skin friction, or a combination of the above. The soil type and logistics will often govern the method of resolution.

HOW CAN IT HELP YOU.

Optera embraces “soft engineering solutions”, often increasing drainage to allow the slope to resist its own modes of failure. In addition, we have a multitude of drilled and driven anchor systems which allow us to contain and restrain the slope ongoing, where an additional engineering solution is required. Many of our solutions are installed with demountable rigs, allowing us to access even the tightest of sites.

THE BENEFITS.

- Optera solutions are in-house designed and built, saving time and cost.
- Optera have a wealth of experience to allow us to offer the most appropriate solution.
- Optera install have extensive experience with anchor systems and use geo-mats to restrain slopes.
- Optera can enhance drainage systems within a slope, leading to increased shear strength and reduction of risk.

KEY FACTS.

AVERAGE COST 46% LESS THAN TRADITIONAL STABILISATION SCHEMES.

(SOURCE: INDUSTRY FIGURES 2022 COMPLETED PROJECTS)

60% LESS CO2 EMISSIONS THAN SHEET PILED SOLUTIONS.

(SOURCE: INDEPENDENT CARBON ASSESSMENT REPORT, TUNLEY ENGINEERING)

100% POSITIVE CUSTOMER FEEDBACK ON PROJECTS OF THIS TYPE.

(SOURCE: 2018-2022 COMPLETED PROJECTS)

FOR MORE INFORMATION ON OUR BANK STABILISATION SOLUTIONS

EMAIL: INFO@OPTERA.CO.UK OR CALL: 02476 553 776