

SOIL MODIFICATION AND STABILISATION SOLUTIONS

Does your site have wet, saturated and unsuitable soils that need modifying to make them reusable?

Sirius offers advanced soil modification and stabilisation solutions tailored to meet the specific needs of any application and site constraint.

With over 20 years experience, the Sirius team have developed a range of solutions to deal with different types of wet, saturated and unsuitable soils.

Our specialised fleet includes excavator-mounted mixing attachments, as well as mobile ex-situ and in-situ treatment plant, capable of:

- Improvement of saturated soils for on-site reuse, reducing the need for imported aggregates and excessive vehicle movements
- Stabilising heavily contaminated soils
- Modifying marginal soils to meet required geotechnical performance standards
- Preparing spoil for use in working platforms (piling mats)
- Value engineering for highway construction.

Alongside, our highly regarded Geoenvironmental teams oversee all technical assessments, testing, and the management of any necessary regulatory approvals.



The **Sirius G40 mixing wheel** with a bespoke, custom made extended boom. The mixing wheel also has a bespoke 'paddle' drum that has flat picks especially for Soil Stabilisation. This is a perfect application for wet mud that needs modifying to create usable soil.



Sirius are specialists in modifying wet/saturated soils.



The new **Sirius Wirtgen WR420i** joins the Sirius fleet in 2025, bringing the very latest in technology and efficiency to your projects.



The **Sirius STAR Machine (Soil Treatment And Recycling)**, turns contaminated soils into reusable material for site.



The **Sirius Mobile Soil Recycler (MSR)** takes unusable soils, mixes them with binding agents and recycles them ready for reuse.

For further help or information, please contact our technical teams.

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Demolition | Earthworks | Remediation | Drilling | Civils | Plant | Geotechnical | Environmental | Planning | Renewables