

## CASE STUDY

---

### PIPELINE INSTALLATIONS



---

**DEEP SOIL MIXING LTD**

## MIXING IT UP TO MAXIMISE PIPELINE INSTALLATIONS

---

The UK's leading deep soil mixing specialist has been using its technology to resolve settlement problems for utility companies during pipeline installations – and all at a reduced expense, time, and using environmentally friendly solutions.

Deep Soil Mixing Limited, is now hopeful that this technology will be more widely used as a construction process for ground stabilisation projects within the UK and Ireland.

Reducing settlements for soft soil types like saturated peats, silts and soft clay is difficult and current answers are extremely costly – however, our specialist firm has a proven track record of offering an effective alternative to utility companies thanks to our deep soil mixing technology.

By mechanically mixing the existing soil with a cementitious binder, deep soil mixing changes the characteristics of weak soil and makes it more like soft rock but can still be excavated by traditional methods. This enables more efficient and effective pipeline installations as well as greater ground stability. Due to the fact natural resources are spared during this process, installations take less time overall having fewer associated costs and carbon emissions compared to other methods.

*“While the method for improving the characteristics of non-organic soils by using soil mixing techniques to reduce settlement, increase the stability of slopes and embankments is an established one, it is both more challenging and often more costly to increase the firmness of soft organic soils like peat, silt and clay – until now, that is. Our deep soil mixing columns provide clients with an excellent solution for pipeline installation and other ground improvement requirements.*

*Results have been very good overall for two recent utility company projects, with a reduced settlement guarantee of less than 15mm and 10mm in 9.0m depth of peat and 7.0m of soft alluvial respectively.”*

Having successfully delivered soil mixing techniques for pipeline projects for utility companies, Deep Soil Mixing Ltd has the knowledge and expert equipment to ensure clients benefit in lots of ways.

*“Benefits of deep soil mixing include reducing project cost, carbon footprint and project timelines. The ground is re-engineered in-situ, removing the need to excavate or import fill. There is no leaching during the installation or later as the mixed soil ages.”*

## FIND OUT MORE

---

For further information please contact:

### **Robert McGall**

robert@deepsoilmixing.co.uk

Mobile 07979 533 925

### **Colin Critchlow**

colin@deepsoilmixing.co.uk

Mobile 07977 117180

**DEEP SOIL MIXING LTD**

Deep Soil Mixing Ltd, Birchwood, Westoning Road,  
Greenfield MK45 5BH T 01525 716445

www.deepsoilmixing.co.uk  @DeepSoilMixing