



ROLTON GROUP
ENGINEERING THE FUTURE

Rolton Group needed to create a fuller picture of the ground they were working on.

Here's how Keynetix helped them do just that.



Geotechnical Data
Software Transformed

keynetix.com/stories

Rolton Group are using these Keynetix products:

- **HoleBASE SI Professional**
- **HoleBASE SI Extension for Microsoft Excel**
- **HoleBASE SI Template Studio**

🍃 **HoleBASE SI** allows me to spend more time creating content for reports and less time organising it. The new features help me to create a fuller picture of the ground I'm working with, which enables me to pass this knowledge on to the team and client in a clear way. 🍃

**Victoria Dobbs, Geotechnical Engineer
ROLTON GROUP.**

As the amount of geotechnical knowledge Rolton created using this electronic process increased, there became a requirement to access the data spatially to maximise its use.

THE SOLUTION

Pleased with the benefits given by the software, the Rolton Group have now migrated to the latest version of **HoleBASE SI**, which introduces their engineers to a whole host of new functionality.

BUSINESS SITUATION

Rolton Group Ltd is a multi-disciplinary engineering firm whose geotechnical department provide detailed reports for clients regarding the ground conditions of their sites. The accuracy of these reports is integral, as the raw data within them are extracted to create the foundation designs.

THE TECHNICAL REALITY

Historically the documents produced for clients were handwritten and were more difficult to interpret, store and recall. The introduction of HoleBASE 3 software in 1995 made the process faster, simpler and easier to update or return to at a later date.

Digital records don't deteriorate in the same way as physical copies and with HoleBASE they can be pulled back up at any time as and when required.

Sites can now be viewed on a virtual map, both to scale and in relation to one another, making it easier for their engineers to include existing geotechnical knowledge into the desk study process to the program.

THE BENEFITS

The programme acts as a project management system, allowing instant access to all data at once.

When planning the site investigation work, the team at Rolton can now instantly pull together their existing knowledge and analyse it with reference to the BGS mapping data and Aerial Photography included in **HoleBASE SI Professional** giving the team valuable information to start their desk study with.



Once the site investigation has been completed it is possible to create simultaneous transect views of trial pits, clearly displaying their content at different depths. Data can be easily edited from within the program and a 'Reports' section enables the isolation of desired data, making it much more user friendly.

HoleBASE SI Extension for Microsoft Excel has also been an excellent investment as it quickly enables data to be prepared and summarised for inclusion into reports.