



# NEWSLETTER

SEPTEMBER 2024

ISSUE #02

## WE HAVE MOVED!

We're excited to announce our move to a new office! Our larger, state-of-the-art building is designed to improve operating efficiencies with increased capacity and enhance our exceptional service. With more room to expand and better facilities to support our team, we're ready to take on new challenges and continue delivering outstanding results.



### New Address:

SPEDECK House, Circle Business Centre, Blackburn Road, Houghton Regis, Dunstable, LU5 5DD

Same phone number, same e-mail address:

01582 361060  
solutions@speedeck.uk





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## SUMMER HIGHLIGHTS

This summer has been an exciting time for us, as we've been hard at work on a variety of projects across the UK.

Our team has been involved in everything from large-scale residential developments to stunning later-living communities, laying the groundwork for some truly remarkable sites. Each project brings its own unique challenges and opportunities, and we're proud to be helping shape these new spaces for the future.

For a closer look at what we've been up to, including behind-the-scenes action and updates from our sites, make sure to follow us on Instagram.



Woolwich, London



Whitstable, Kent



Bourne, Lincolnshire



Chellaston, Derbyshire



Waterlooville, Hampshire



Southend-on-Sea, Essex



Hazelmere, Surrey



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## GEOLOGICAL AND CLIMATE CHANGE RISKS TO BUILDING FOUNDATIONS

The UK faces a variety of geological hazards due to its diverse geological conditions posing risks to building foundations. Risks which have been identified include:

- Heave and Subsidence in shrinkable cohesive soils also known as shrink-swell,
- Reduced soil strength from groundwater changes and increased pore water pressure,
- Dissolution and hazards related to chalk, limestone, evaporates, and other mining areas,
- Collapse settlements in earthworks and fills,
- Green infrastructure - additional tree planting can increase shrink-swell soils.

### What will happen when geological risks are ignored?

Ignoring these risks can lead to unexpected costs arising later in the design or construction programme, difficulties in obtaining necessary approvals or delays on site. The effects of climate change are expected to increase damages to domestic properties, such as wall cracking, sticking doors and windows, and potential utility disruptions. Many existing buildings, constructed without considering climate-related impacts, may already face unavoidable future disruptions. Costly remedial options, like widespread underpinning of foundations or tree removal, are impractical and unsustainable.

Current planning frameworks require early consideration of all potential hazards to ensure that appropriate measures and materials are used to design structures and foundations to mitigate these risks, although due to the nature of the predicted changes it will be essential, therefore, to modify existing approaches to defining hazard and risk potential in line with future UK climate projections.

[Read the full article and solutions on our website today.](#)



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## NEW PROJECT ALERT SUFFOLK COURT, LONDON

We constructed a piled raft foundations for Suffolk Court, on behalf of ENGIE UK and Equans UK & Ireland. We laid the concrete raft foundations for four apartment blocks in Ilford, London. This site is creating 60 new homes for the London Borough of Redbridge.

The design approach needed to consider on site access restrictions as the new development was located in close proximity to existing, occupied dwellings and it was vital to ensure the structural integrity of both new and existing homes. Comprehensive geotechnical investigations were conducted to understand the soil conditions and inform the foundation design.

The site team needed to plan inter site movement carefully due to limited access and proximity to existing dwellings. A site logistics plan was drafted and adhered to ensure the programme was executed appropriately.

Find out more about this great project on our website.





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## SHOTS, SUNSETS, AND GOOD VIBES: SPEEDECK SUMMER PARTY!

We had an incredible time at this year's SPEEDECK summer party! The day kicked off at Clays with some virtual clay pigeon shooting, where laughter and friendly competition filled the air as everyone took their best shots.

Afterward, we made our way to the Aviary Rooftop Bar, where we enjoyed champagne, crafted cocktails, and breathtaking views of the London skyline as the sun set. It was a truly memorable day spent with the entire team!

