COST-EFFECTIVE FLOOR SLAB SUPPORT
When conventional slab-on-grade solutions are inadequate because of compressible soils or undocumented fill, Geopier® ground improvement foundation systems provide economical solutions for the support and settlement control of conventional light to heavily loaded floor slabs in industrial, commercial, and residential applications. The rapid installation rate significantly reduces the construction schedule compared to deep foundations, over-excavation and replacement or other forms of ground improvement. High production rates combined with our unique ability to work in inclement weather affords both time and cost savings on your project.

ELIMINATION OF STRUCTURAL SLABS
Use of Geopier ground improvement provides substantial cost savings by eliminating the need for a structural slab supported on deep foundations. The presence of the stiff Geopier ground improvement elements, surrounded by the improved matrix soil, results in significantly reduced shear and moment demands as compared to deep foundations. The result is thinner floor slabs that often contain only minimal steel requirements. The structural performance of the floor slabs is often analyzed using Finite Element Analysis techniques, to model slab pressures, pier spacing, and soil conditions to optimize slab design and performance.

SUPERIOR SETTLEMENT CONTROL
Geopier solutions demonstrate superior strength and stiffness to provide settlement control of light to heavily-loaded floor slabs and other structures. The system is engineered to provide a cost-effective approach that meets your specific project requirements. Our engineering support and site specific modulus testing, combined with the experience of providing settlement control for thousands of projects, provide an unmatched level of support and reliability.