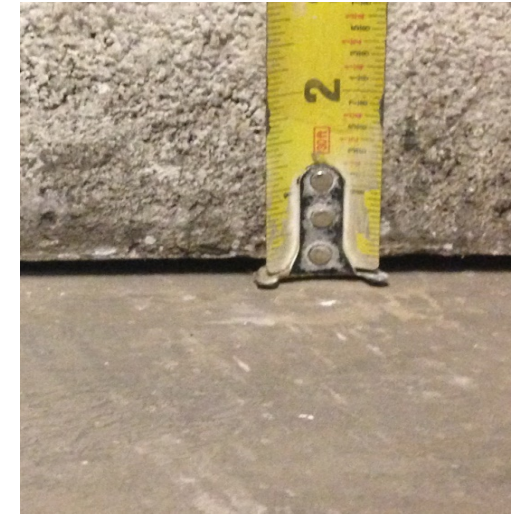


Univ. of Tennessee – Steam Plant

Knoxville, TN



Project Challenges	Solution	Support	Outcome
<ul style="list-style-type: none"> • Slab in Motor Control Center room had settled and upto 5” voids discovered. Doors were binding, jeopardizing access in an emergency. • Heat from electrical equipment caused supporting clay soils to dry out and shrink excessively. • Steam plant under continuous operation. 	<ul style="list-style-type: none"> • Fill Voids and Lift Slab. • Use the URETEK Method to fill voids directly below the slab in order to stabilize and mitigate future settlement. • Lift the slab to re-level the doorframe and unbind the doors. 	<ul style="list-style-type: none"> • Review geotechnical engineer’s report and consult with GC. • Provide proposal with multiple options and recommendations for GC to present to the University. 	<ul style="list-style-type: none"> • Fast Repair: Work performed in a half of a day. • Slab Stabilized: The operation filled the voids and stabilized the slab. • Slab Lifted: The slab was lifted with special attention given to leveling the doorframe, which unbound the door and restored access to the MCC room.