

# Geotechnology Fast Facts

Geotechnology was founded in 1984 by six professional engineers: Mike Alizadeh, John Baker, Ron Eckelkamp, Rich Frueh, Pat Goeke and Don McQueen. These men formed the company to provide geotechnical and environmental engineering and consulting services to clients in the Midwest. Although the firm provides services throughout the country, Geotechnology remains focused on its regional clients to this day.

Geotechnology is structured into three Market Teams including Development, Industrial and Transportation/Infrastructure to better serve the varied needs of our clients. Geotechnology is able to provide clients in these markets with a multi-disciplined team that is experienced in working on like projects and integrate the comprehensive services of our Geotechnical, Environmental, Materials Testing and Drilling Technical Groups.

Our goal is to understand clients' business so they can rely on one firm for an integrated package of services from environmental due diligence through construction materials testing. To do this, Geotechnology invests in capable team members and in capital resources such as our fleet of 11 drill rigs and vacuum excavation system, three soils and materials testing laboratories and geophysical equipment. These efforts have allowed the firm to participate in the biggest construction projects in the St. Louis, Kansas City and Collinsville areas, including Lambert St. Louis International Airport W-1W Runway Expansion, Busch Stadium, The Legends at Village West, and most major highways and interstates, just to name a few.

## COMPANY LEADERS

Ed Alizadeh, P.E., J.D.	President and CEO
John Baker, P.E.	Senior Vice President, Geotechnical Technical Group Leader
Frank Callanan, P.E.	Development Market Team Leader
Steve Fults, P.E.	Materials Testing Technical Group Manager
Dominic Grana, P.E.	Vice President, Environmental Technical Group Leader
Jim Howe	CFO and Vice President
Casey Jones, P.E., P.G.	Vice President, Kansas City Branch
Phil Jozwiak, P.E.	Vice President, Transportation/Infrastructure Market Team Leader
Rick Pershall	Vice President, Industrial Market Team Leader
Dale Smith, P.E.	Collinsville Branch Manager

## PROFESSIONALS ON STAFF

Geotechnology is composed of 120 professionals from a variety of disciplines providing clients with a well rounded team to take on their project challenges. Some of our professionals on staff include: Asbestos Inspectors and Designers, Brownfields Specialists, Civil Engineers, Industrial Hygienists, Drillers, Environmental Engineers, Environmental Scientists, Field Representatives, Geologists, Geophysicists, Geotechnical Engineers, Hydrogeologists, IBC Inspectors, Lead Risk Assessors and Inspectors, Materials Testing Testing Engineers, Nondestructive Testing Engineers, Wetlands Specialists, Special Inspectors and More.

**EXPERIENCE MODIFICATION RATING:** .84 as of 9/5/07

## LOCATIONS

### St. Louis - HQ, Drilling, CMT

11816 Lackland Road, Suite 150  
St. Louis, MO 63146  
P: 314-997-7440 F: 314-997-2067  
Construction Materials Testing  
P: 314-241-0525 F: 314-241-3526

### Collinsville

907 North Bluff Road  
Suite 1  
Collinsville, IL 62234  
P: 618-345-4811  
F: 618-345-5108

### Kansas City

9136 Cody  
Overland Park, KS 66214  
P: 913-438-1900  
F: 913-438-1923



**GEOTECHNOLOGY, INC.**  
ENGINEERING AND ENVIRONMENTAL SERVICES  
ST. LOUIS • COLLINSVILLE • KANSAS CITY

# Technical Services

The geo-environmental services clients need from due diligence through construction materials testing



## Geotechnical Engineering

site evaluation • *value engineering* • foundation and materials evaluation • construction management and monitoring • excavation, shoring and underpinning • dewatering • *hydrology and geohydrology* • computer modeling • in situ soils testing • *seismic response* • earthquake engineering • earthworks, land and riverine structures • slope failure remediation • geotechnical instrumentation • *pile dynamic analysis* • pile integrity testing • *surface and borehole geophysics* • earth dam design and safety inspections • vibration studies and dynamic loading

## Environmental Engineering

*risk based corrective action plans* • underground storage tank program management • phase I, II and III environmental site assessments • SPCC plans and integrity testing • asbestos/lead-based paint/PCB inspection and abatement • *air permitting and monitoring* • environmental compliance audits • groundwater investigation and modeling • remedial action plans • *remedial investigations/feasibility studies* • environmental impact statements • toxic/hazardous material and chemical waste assessment and management • NPDES permit preparation • sanitary landfill assessment & permitting • treatment and disposal technology evaluations • risk-based assessments • regulatory negotiating • remediation cost estimating • *wetlands assessment and delineation* • bioengineering and streambank stabilization

## Construction Materials Testing

pile dynamic analysis • fill control & compaction testing • *pile integrity tests* • concrete slump and air content tests • concrete and asphalt mix designs • superpave technology • soil index properties • *static load pile testing* • grain size analysis • *standard/modified Proctor compaction* • strength testing • permeability testing • consolidation tests • structural steel inspection • non-destructive testing • weld and bolt testing • fireproofing • roofing materials • *IBC special inspections*

## Geophysics

seismic reflection and seismic refraction (land & shallow water) • D.C. resistivity • induced polarization • *crosshole / downhole / parallel seismic* • magnetics and electromagnetics • 2D and 3D ground penetrating radar • *vibration monitoring* • seismic potential • refraction microtremor • StructureScan • spontaneous potential • borehole geophysical logging • MASW

## Drilling

foundations and earthen structures • *soil and groundwater contamination assessment* • monitoring well installation and decommissioning • aquifer testing • resource exploration • direct push sampling • grouting • *instrumentation installation* • floating platform drilling • *air vacuum excavation*