

ADAM ZECIRI

PROFESSIONAL BIOGRAPHY

Since 1999, Adam has mapped and located subsurface utilities in North America. Utilizing conventional land surveying, GPS/ RTK, thermal imaging (IR), subsurface and concrete scanning via ground penetrating radar (GPR), electromagnetic induction (EMI), conventional electromagnetic locating (EM), acoustic locating using the APL and SPAR utility surveying technologies, Adam has located and mapped buried infrastructure of varying material compositions and utility types. This includes Chicago's central business district in the downtown area, the Chicago Transit Authority underground train tunnel systems, downtown Peoria, IL and various other urban and rural settings. He has trained and certified utility locators from the United States, Canada and Australia. In addition, he has supervised and trained gas leak survey, utility locating, infrastructure mapping, corrosion, utility construction and gas leak repair field crews in Northern California. He recently trained and qualified operators in over 29 different gas construction, maintenance and repair tasks at Pacific Gas & Electric Company as Senior Technical Instructor and OQ Evaluator.

Past clients have included companies such as; Golden State Utility, North American Field Services, Southern Cross, SPARUS, Walsh Construction, Bechtel, Turner Construction, Leopardo Construction, CH2MHILL, JULIE, British Petroleum, Marathon Pipeline, Argonne National Laboratory, The Federal Aviation Association, NASA, Fermilab National Laboratory, Farnsworth Engineering, Amaco, Shell, Kinder Morgan, WE Energies, Integrys, Nicor Gas, People's Gas, North Shore Gas, ComEd, State Farm, The Illinois Farmers Bureau, Caterpillar, GE and more. He trained and certified staff from 3M/ Dynatel, SPX/ Radio Detection, Vixax-Metrotech, RIDGID/ SeekTech/ Emerson and more.

In 2009, Adam served as Project Manager for Planet Underground Services, Editor of *Underground Focus Magazine* and was one of four Staking University lead locating instructors. He co-developed the Staking U. Locating Certification Seminar (LCS) Presentation, the *Locating Unlimited* training DVD and online training program. He has written and edited many damage prevention magazines, including 811 news issues, knowledge issues and training aids. Recent works include *Safe Trenches* excavation safety series, the utility training series titled, *The Grid*, which covers the function, role and stages of the many utility systems that comprise the utility grid. Areas of primary focus were: Pipelines, Gas, Electric, Telecom, Water and Sewer. He wrote the utility locator training magazine, *Locating Unlimited: The Language of Locating*. In addition, Adam was the Designer and Webmaster for underspace.com and locatingunlimited.com.

In 2012, Marathon Pipeline commissioned Adam to appear in and collaborate on their latest Pipeline Locator Training Video as an SME. He was involved in real world field-testing of the Optimal Ranging SPAR utility mapping solution, back ended by Trimble. He assisted with experimental field-testing for a seismic locating solution with Underground Imaging Technologies. Adam also assisted Gas Technology Institute in field-testing an experimental acoustic locating solution. More recently, he assisted NASA with field-testing methane detection equipment currently used on the Mars rovers, for use as gas leak detection equipment by utility companies.

In 2013, Adam was Supervisor and Instructor for North American Field Services, a contractor for Pacific Gas and Electric Company. He spearheaded the training for field teams involved in multiple contracts. These included a production locate and mark pilot program, a transmission centerline locating and mapping survey project and a gas leak survey, locating, atmospheric corrosion and mapping exception project. He quickly transitioned to train for PG&E directly.

While Senior Technical Instructor at Pacific Gas and Electric Company, Adam taught 29 different course codes for gas construction in 2014. He was the Lead Corrosion Instructor, Lead Locating Instructor and was the Locate and Mark Process Owner. He worked with Curriculum Development to develop training content as a damage prevention, gas leak survey and corrosion SME. He often donated time to train military veterans as potential hire candidates enrolled in the **presidentially recognized Power Pathways program**. He sat on various committees, including the corrosion tech team, the locate and mark tech team, the gas leak survey tech team and the IBEW corrosion mechanic apprenticeship line of progression (LOP) sub-committee. He holds various professional certifications, including the touted CompTia CTT+ Certified Classroom Trainer, Lean Six Sigma White Belt, International Association of Corrosion Engineers Certified Cathodic Protection Tester (NACE CP1) and more.

Adam created the Locating Dynamics training brand in 2013 and founded Subterranean Consulting Group in 2015. Locating Dynamics was approached to be the West Coast trainer of choice for Pipehorn locators and **Optimal Ranging**, the inventors and manufacturers of the SPAR utility surveying system and the ORION underwater mapping solution. In 2016, Adam joined SENSIT Technologies as Product Manager for utility locating. He formerly sat on the Common Ground Alliance Education and Excavator committees and has spoke at numerous CGA Conferences.

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EXPERIENCE

CEO, SUBTERRANEAN CONSULTING GROUP ELK GROVE, CA 2015-PRESENT Founded Subterranean Consulting Group, Locating Dynamics, Sub-T Utility Locators and Geophysical Imaging and Advanced Mapping. Provide consulting, locating, mapping, training and professional certifications for all utility types. Manage daily operations and pursue business opportunities.

VICE PRESIDENT, NORTH AMERICAN FIELD SERVICES SACRAMENTO, CA 2022-2023 Led all aspects of the business including daily operations, budgeting, training and operator qualifications. Oversaw a team of 40 employees.

PROJECT MANAGER, BESS TEST LAB HAYWARD, CA 2020-2022 Trained field workers and administered operator qualifications for locate and mark, standby pipeline, pipe inspection, applicant install, excavation safety and potholing. Led a team of 80 employees.

BRANCH MANAGER, MCCARTHY ROSEVILLE, CA 2019-2020 Branch Manager for subsurface utility mapping and utility locating.

PRODUCT MANAGER, SENSIT TECHNOLOGIES VALPRAISO, IN 2016-2019 Product Manager for utility locate products. Managed the Acoustic Pipe Locator (APL) and Magnetic Joint Locator (MJL) product lines. Oversaw and conducted utility locator training and gas leak survey equipment training in the US, Canada, Australia, China, South America and Europe.

SENIOR TECHNICAL INSTRUCTOR, PACIFIC GAS AND ELECTRIC COMPANY SAN RAMON, CA 2013-2015 Continuously developed and honed presentation and instructional skills. Worked with Curriculum Development to create training content as a Damage Prevention, Corrosion and Gas Leak Survey SME. Acted as PG&E Academy Process Owner and lead instructor for locate and mark, corrosion and gas leak survey. Created training content, trained employees and conducted Operator Qualifications examinations in accordance to state and federal regulations. Led over 29 different gas construction courses.

SUPERVISOR/ INSTRUCTOR, NORTH AMERICAN FIELD SERVICES SAN RAMON, CA 2013 Instructed field crews in proper utility locating procedures. Worked with management team to create company procedures and employee handbook. Created and administered training material, review material and tests. Successfully oversaw and trained crews on multiple ongoing gas leak survey, locate and mark, utility mapping and corrosion projects. Managed a team of 30 employees.

EDITOR, UNDERGROUND FOCUS MAGAZINE MANTENO, IL 2010-2013 Generated content for trade publication. Created and edited magazine content by means of copywriting, photography and graphic design. Corresponded with magazine partners as it pertained to their submissions including ads and articles. Maintained ongoing magazine content for 9 issues annually, while updating utility accident reports both online and for print. Web Designer and Webmaster for underspace.com and locatingunlimited.com.

INSTRUCTOR, STAKING UNIVERSITY MANTENO, IL 2010-2013 Instructed 1 day 811 classes, 2 day Locator Certification Seminars (LCS), 5 day Locator Certification Course and 2 week Certified Master Trainer courses. Applied classroom and hands-on training in the field, to ensure program retention by all participants. Distributed written tests, conducted hands-on testing and scored participants in accordance with stringent certification standards.

PROJECT MANAGER, PLANET UNDERGROUND MANTENO, IL 2009-2013 I ran the utility locating services, acting as single point of contact for multiple ongoing projects through completion. Generated proposals for locating services on request by clientele, including infrared (IR), electromagnetic (EM) and ground penetrating radar (GPR). Visited job sites to inspect or conduct utility locating services, often both EM and GPR. Created and edited invoices. Pursued leads and respond to inquires.

GEOMATICS/ LAND SURVEY TECH, DEARBORN COMPANIES BRIDGEVIEW, IL 2008 -2009 Operated and trained others on how to use ground penetrating radar (GPR), electromagnetic (EM) and land surveying instruments. Acted as either instrument man or rod man to perform surveys. Performed ongoing data analysis and instructed others on how to analyze data.

LAND SURVEY TECH, HORIZON CONSULTING GROUP ELBURN, IL 2006-2007 Conducted surveys and trained field crews for wetland delineation, GPS consulting, construction staking, as-built, ALTA/ ASCM, topographic and land title surveys. Performed as instrument man, rod man and crew chief.

SURVEY TECH, ADVANCED SURVEY AND MAPPING/ CELLTECH/ ASM CONSULTING BATAVIA + PLANO, IL (SEASONAL) 1999 -2006 Conduct surveys for: 2C letters, cell tower platform and antenna alignment, construction staking, as-built, ALTA/ ASCM, topographic and land title surveys. Performed survey records research and data-entry.

EDUCATION

Louisiana Tech University Trenchless Tech Center Utility Investigations School — Geophysical Investigations UIS 401 Certification
International Association of Corrosion Engineers — Cathodic Protection Tester, NACE CP1
Lean Six Sigma — White Belt Certification, Process Improvement
CompTia — CTT+ Certified Classroom Trainer
Friesen, Kaye and Associates — Certified Professional Instructor
Staking University — Campus Locating Instructor
Full Sail University — Entertainment Business, Internet Marketing
Kishwaukee College — Drafting
The Art Institute — Graphic Design, Internet Marketing

SOFTWARE Non-Exhaustive

OPERATING SYSTEMS

Windows Mobile/ 2000/ XP/Vista/ 7; Linux Ubuntu; Mac OS X, Android, Chrome

OFFICE SUITES

Microsoft Office Suites: MS Word, MS Powerpoint, MS Excel, MS Access, MS Outlook, MS Entourage,
iLife Suites: Pages, Keynote, Numbers

GRAPHIC DESIGN

Adobe CS3+CS4 Master Collection - InDesign, Photoshop, Illustrator, Acrobat - Google Earth, Sketch Up

WEB DESIGN

WordPress, Squarespace, HTML, CSS, PHP

VIDEO EDITING

iMovie, Windows Movie Maker, Adobe Premier Pro, Quicktime, Final Cut Pro

AUDIO RECORDING and EDITING

ProTools, Cakewalk, Audacity, Garage Band, Logic, Ableton

ACCOUNTING

Intuit QuickBooks, Quicken

DATA TRANSFER

Survey Link, Survey Pro, Data Transfer, Trimble Business Center

EQUIPMENT Non-Exhaustive

GAS LEAK SURVEY

Southern Cross FP400 HFI, Heath Consultants DP-3 and DP-4 HFI, DPIR, RMLD, OMD, Bacharach Model H CGI, Bascom-Turner Gas Ranger CGI, M-Pact-O Probe bar, Samsung tablet, Marvelous Mary Anne's Leak Detection Soap2

LAND SURVEYING

Leica total stations and CORS RTK, Topcon robotic total stations and GPS, Sokkia Set III, Topcon and Leica auto levels, Trimble GPS/ RTK, TDS, Trimble, Leica and Juniper Systems data collectors

UTILITY SURVEYING

Optimal Ranging Spar 300, Spar 300 PPS, Dual-Spar, Utility Survey, FieldSens, Trimble Access, Trimble Business Center, Vivax RTK

ELECTROMAGNETIC (EM)

Schonstedt, Subsurface Instruments, Radio Detection, Vivax/ Metrotech, Ridgid/ Emerson, Fisher, Ditch Witch/ Subsite, Heath Consultants, Goldak, Aquatronics, Rycom, Pipe Horn, McLaughlin, 3M/ Dynatel, Jameson Duct Hunter, Geonics EM 61, Samsung tablet, RFID marker ball locating (read/ write), sondé locating, fault finding, camera inspection, duct rodding, SENSIT Technologies Magnetic Joint Locator (MJL)

CORROSION

Universal Rectifiers, Goodall Rectifiers, Fluke Multimeters, McMiller Digital Potential Meters (DPM), Ideal Ground Resistance Testers, McMiller Half-Cells (CSE), McMiller/ Neilson Wenner 4-Pin Ground Resistance Meters, Tinker-Razor locators, Vivax DM locator

GROUND PENETRATING RADAR (GPR)

Sensors and Software, Conquest, Smart Cart, Noggin, LMX100, RD1000, MALA, GSSI, US Radar, IDS/ Ditch Witch GPR Duo, Impulse Radar PinpointIR

ACOUSTIC

Sensit Technologies Ultra-Trac Acoustic Pipe Locator (APL)

INFRARED/ THERMAL IMAGING (IR) FLIR i7 thermal imaging camera