
Asghar Bakhshi Zanjani

Senior Civil Engineering & Surveying Specialist | GIS & CAD Professional

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PROFESSIONAL SUMMARY

Accomplished civil engineering and surveying professional with **42 years of specialized experience** in pipeline projects, cadastral surveying, and infrastructure development. Expert in CAD/GIS software with proven ability to deliver accurate as-built documentation, conduct technical plan reviews, and manage complex surveying operations. Seeking opportunities in GIS analysis, CAD drafting, plan review, or technical document preparation.

Core Competencies: Pipeline surveying & as-built documentation (18+ years) | Advanced CAD software (AutoCAD, Civil 3D, Microstation) | GIS systems (ArcGIS Pro, QGIS) & CAD-to-GIS conversion | Right-of-Way (R.O.W.) design & land acquisition | Construction plan review & quality assurance | Volume calculations & earthwork analysis

TECHNICAL SKILLS

GIS & Mapping Software

- **ArcGIS Pro 3** (Advanced) | QGIS
- ArcGIS data collection & CAD-to-GIS conversion
- Digitizing legacy maps | Spatial data management

CAD & Design Software

- **AutoCAD** | **Civil 3D** (pipeline design, profiles, volumes)
- **Microstation** | Open Roads Designer | Open Site Designer
- SITEOPS | R.O.W Designer | SDRMAP | LAND

Specialized Equipment & Standards

- Leica & Kern Total Station (certified 1987, 2005)
 - GPS handheld devices
 - CFR Title 49, Parts 192 & 195 (pipeline standards)
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PROFESSIONAL EXPERIENCE

Senior Surveyor & Pipeline Inspector

Industry Management Service Center (for Iran National Gas Company) | 2010–2018

- Conducted surveying and quality control for gas pipeline projects (10"-12" diameter) across Ardabil, Qazvin, and Almut regions
- Prepared comprehensive as-built drawings using Civil 3D, ensuring compliance with international pipeline standards
- Managed daily data collection including welding reports, burial depth measurements, and coordinate documentation
- Performed volume calculations and earthwork analysis for pipeline construction

Civil Engineer & Surveyor

Bina Consulting Engineers (for Iran National Gas Company) | 2006–2008

- Provided civil engineering support for 56" 7th National Gas Line project
- Conducted surveying operations and prepared technical documentation
- Collaborated with construction teams on pipeline alignment and installation procedures

Civil Engineer

Rahab Construction Consulting Engineers (for Iran National Gas Company) | 2005–2006

- Supported 56" 5th and 6th National Gas Line projects
- Performed civil engineering calculations and site assessments
- Coordinated surveying activities with project management teams

Consultant, Inspector & R.O.W Designer

Iran's Management Industry Consulting Engineers (for National Iranian Oil Company) | 2000–2005

Major Projects:

- 32" crude oil pipeline (Caspian Sea to Tehran Refinery)
- 32" replacement pipeline (Lorestan region)
- West ethylene pipeline (Parts 1-3)

Key Responsibilities:

- Designed and managed Right-of-Way (R.O.W.) acquisitions and land documentation

- Conducted surveying consultation and inspection services
- Prepared detailed technical drawings and as-built documentation
- Coordinated with property registration offices and real estate organizations

Site & Building Surveyor

Omran Abadani Iran Company | 1996–2000

- Performed site and building surveying for Karaj land development projects
- Conducted topographic surveys and boundary determinations
- Prepared construction layout plans and elevation certificates

Site & Building Surveyor

Foundation Construction Company (for National Iranian Oil Company) | 1994–1996

- Executed surveying operations for Jam Town-Kangan land development project
- Supported oil infrastructure site planning and construction layout

Highway Surveyor

Tirage Construction Company (for Ministry of Road and Transport) | 1992–1994

- Conducted surveying for Qazvin-Zanjan Highway construction
- Prepared alignment drawings and cross-section profiles
- Coordinated with engineering teams on roadway design implementation

Cadastral Surveyor

Real Estate Organization | 1976–1992 (16 years)

- Performed cadastral surveying operations in Abhar region
- Conducted property boundary surveys and legal descriptions
- Prepared land parcel maps and maintained survey records
- Worked extensively with real estate documentation and property registration

SPECIALIZED EXPERTISE

Pipeline & Infrastructure:

- As-built drawing preparation for pipeline projects using Civil 3D
- Pipeline station implementation (CGS, Valve, Launcher Receiver)
- Hydrostatic testing procedures and quality control
- Traditional and GPS-based casing design and supervision

Document Preparation & Review:

- CAD-to-GIS conversion of legacy drawings
- Technical plan review for code compliance
- Construction document quality assurance
- Volume reports and quantity calculations

Land & Property:

- Right-of-Way (R.O.W.) acquisition and negotiation
 - Cadastral and boundary surveying
 - Property registration and legal documentation
 - Land development planning and site layout
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EDUCATION & CERTIFICATIONS

Associate's Degree in Surveying

Surveying College of Tehran, Iran | 1976

Diploma in Mathematics | 1971

Certifications:

- Kern Total Station Training | 1987
 - Leica Total Station Training | 2005
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KEY ACHIEVEMENTS

- **42 years of continuous professional experience** in civil engineering and surveying (1976-2018)
 - Successfully managed surveying operations for major national oil and gas infrastructure projects
 - Developed expertise in converting legacy AutoCAD drawings to modern GIS systems
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LANGUAGES

- English (Professional)
- Farsi (Native/Fluent)