



KRAISAK JORILLO

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Licensed Civil Engineer | Land Surveyor | Survey & Geospatial Specialist

Experienced and highly skilled Licensed Civil Engineer with over 15 years of local and international expertise in land and construction surveying. Adept at operating advanced surveying instruments including total stations, GPS, laser scanners, and levels for accurate land measurements, boundary delineation, and construction set-out.

Proficient in establishing site control, creating reference systems, and interpreting engineering and site plans for a wide range of development and infrastructure projects. Skilled in topographic, boundary, and construction staking surveys, as well as preparing detailed survey plans and reports in compliance with regulatory requirements.

Technically strong in AutoCAD, Civil 3D, and Star*Net, with additional proficiency in automating workflows using MS Excel VBA, C#, and web data extraction tools. Committed to delivering precise and reliable survey data that drives efficient and compliant land development.

EXPERIENCE

MARCH 2025 – PRESENT

SENIOR PROJECT ENGINEER – GEODETIC / SURVEY, DESIGN COORDINATES INC.

- **Led implementation of Construction Project Management (CPM) Plans**, ensuring contractors and suppliers adhered to surveying and documentation protocols—directly contributing to timely and compliant project delivery.
- **Verified survey data accuracy** through on-site measurements, calculations, and analysis—ensuring reliable data for boundary, topographic, and construction staking surveys.
- **Oversaw preparation and quality assurance** of survey-related deliverables including maps, charts, records, and technical reports—ensuring clarity and compliance with engineering requirements and regulations.
- **Reviewed and validated survey works**, including topographic surveys, boundary verifications, and control point relocations, to maintain accuracy across critical development phases.
- **Maintained regulatory and industry compliance**, aligning surveying operations with national and local standards for land mapping and development.
- **Engaged in weekly coordination meetings**, providing survey-related updates, resolving technical challenges, and aligning field activities with architectural and engineering plans.
- **Conducted on-site inspections alongside contractors**, identifying civil and structural issues early and recommending proactive corrective actions to avoid project delays.
- **Advised the project manager and key stakeholders** on critical constraints affecting surveying operations and site layout, contributing to efficient decision-making and risk mitigation.

SEPTEMBER 2022 – AUGUST 2024

SURVEY ENGINEER, SEELE HONG KONG LTD.

- **Performed on-site surveying activities** in full compliance with project drawings, specifications, schedules, and cost estimates—supporting accurate construction layout and development execution.
- **Processed raw design data** provided by engineering teams and translated it into actionable layout information for use in field operations.
- **Prepared detailed as-built surveys** documenting the exact position and dimensions of completed structures and installed materials for final verification.
- **Established control points and vertical benchmarks**, enabling precise site referencing for construction staking and monitoring.
- **Verified accuracy of installed materials and structural elements**, helping prevent deviations from design and ensuring construction quality.
- **Monitored and maintained survey equipment**, including GPS units and total stations, ensuring regular calibration and operational readiness.

JUNE 2016 – AUGUST 2022

SURVEY MANAGER, ONEBOX SURVEY SERVICES

- **Supervised and coordinated survey operations**, including boundary determination, layout calculations, data processing, and deliverable preparation to meet client and project requirements.
- **Led the surveying function across multiple projects**, delivering technical services in mapping, layout, and drafting for land development and construction.
- **Managed survey scheduling**, prioritized new tasks, and assigned fieldwork based on project needs and crew capabilities—ensuring efficient resource use and on-time survey delivery.
- **Monitored and maintained surveying instruments**, including total stations, GPS, and levels, ensuring all equipment was properly calibrated and fully operational.
- **Executed high-accuracy field survey work** following drawings, specs, schedules, safety, and quality standards—supporting layout, staking, and as-built validations.
- **Produced detailed technical drawings and maps** using AutoCAD Civil 3D and SketchUp from field notes, plans, and client instructions.

MAY 2013 – APR 2016

SURVEY ENGINEER, SEELE SAUDI ARABIA LLC

- **Executed field survey operations** in full compliance with project drawings, specifications, procedures, and safety and quality standards—ensuring accurate layout and alignment for construction works.
- **Processed raw design data** and transformed it into usable layout instructions for on-site implementation.
- **Prepared accurate as-built records** for completed structures and existing site features, supporting verification, documentation, and project turnover.
- **Established precise control points and benchmarks**, forming the basis for horizontal and vertical referencing throughout construction.
- **Verified correctness of installed materials and site positioning**, minimizing rework and ensuring alignment with design intent.
- **Maintained and calibrated survey equipment**, including GPS, total stations, and levels, to ensure ongoing field reliability and precision.

JANUARY 2010 – APRIL 2013

PROJECT ENGINEER / SURVEYOR, MILLENNIUM ERECTORS CORPORATION

- **Executed on-site surveying tasks** aligned with project drawings, cost estimates, schedules, and quality standards—supporting accurate and cost-effective construction execution.
- **Processed and validated raw survey data** from design teams, preparing layout information for use in field staking and elevation setting.
- **Produced precise as-built surveys** documenting existing structures and completed works, ensuring compliance with design and construction records.
- **Established and maintained project control points**, forming a reliable horizontal and vertical reference system throughout the site.
- **Verified placement and accuracy of installed materials**, minimizing deviations from design and contributing to high-quality workmanship.
- **Monitored and calibrated survey instruments** on a regular schedule to ensure continuous precision and operational readiness.

EDUCATION

2004 / 2009

BACHELOR OF SCIENCE IN CIVIL ENGINEERING, SILLIMAN UNIVERSITY

Class Honors

2009 / 2009

CIVIL ENGINEERING LICENSURE EXAMINATION, PRC

License No: 0115684

TRAINING/CERTIFICATION

- Construction Occupational Safety and Health (COSH) Seminar
- Basic Occupational Safety and Health (BOSH) Seminar

SKILLS

- **Surveying Instruments & Methods**
 - Total Station (Leica, Topcon, Sokkia, South)
 - GNSS/GPS Surveying (RTK, Static)
 - Digital Leveling & Laser Scanning
 - Construction Staking & Site Layout
 - Boundary, Topographic, and As-Built Surveys
 - Establishing Control Points and Benchmarks
- **Data Management & Drafting**
 - Raw Data Processing & Field-to-Finish Workflow
 - As-Built Documentation
 - Cut/Fill Volume Calculation
 - Control Network Adjustment
 - CAD Drafting from Field Notes
 - PDF-to-CAD Conversions for Survey Drawings
- **Software Proficiency**
 - AutoCAD Civil 3D
 - Autodesk AutoCAD
 - SketchUp
 - Star*Net (Least Squares Adjustment)
- **Project & Compliance Skills**
 - Project Scheduling & Survey Coordination
 - Construction Quality Verification

- **Software Proficiency**

- Microsoft Excel (data processing, computation templates)

- **Project & Compliance Skills**

- Regulatory & Building Code Compliance
- Technical Reporting & Documentation
- Client and Contractor Communication
- Equipment Calibration & Maintenance