

Kelly Michael Goebel, P.Eng., PMP

Project Management - Engineering - Consulting • Natural Resources - Energy - Infrastructure

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Project and Engineering Management Professional able to effectively plan, design, manage, execute and advise on all phases and activities of key capital projects and developments in the Mining, Petroleum, Energy and related industries.

- Leadership, design and management on **large capital projects** from US\$30 million to US\$5 billion, including:
 - ▶ **mining projects** in copper and gold mines including surface equipment facilities, undergrounds, ventilation shafts, ore and concentrate processing and port facilities.
 - ▶ **petroleum projects** including refineries, petrochemical plants, processing units, heavy oil upgraders, water treatment, buildings, plant auxiliaries and utility systems.
- Full management of full-cycle **small - medium projects** from US\$1 to \$30+ million including gas compression, pipelines, gas / gas-oil-emulsion and bitumen processing, well sites as well as **energy projects** in plant utilities, MCCs, transformers, substations and power generation.
- Expertise in **EPC project delivery in all stages**: conceptual, feasibility, initial / detailed designs, procurement, contracting, fabrication, construction, pre/commissioning and start-up.
- Skilled in **greenfield facilities** as well as complex **facility revamps, expansions and upgrades** to sustain and/or increase production and/or to bring outdated infrastructure up to current standards, codes and regulations.
- **Organizational, operational processes and business development** skills in industry and start-up organizations.
- **Global and cross-cultural understanding** from travel and projects on 6 continents. Hands-on in **social development**.
- Fluent in **English** and professionally proficient in **Spanish**.

PROFESSIONAL EXPERIENCE

Ausenco, Vancouver, British Columbia, Canada

Feb 2018-present

Project Manager / Engineering Management

- Manage and coordinate project and engineering areas on Mining and Transportation projects. Current and recent projects include leadership roles for Teck's Quebrada Blanca Fase 2 Copper Mine Port Facility (Concentrate Processing - Ship Loading - Desalination) in Chile as well as Goldcorp's Waste2Ore Facility Pre-Feasibility Study.

TENOLI, Mexico City, Mexico

2015-2018

Consultant - Projects and Operations

- Developed, advised on and implemented a wide range of organizational and business developments as well as successfully delivered on various key scale-up projects for this social start-up's operations, growth and strategic transformation.

Notable Projects / Results

- ▶ Designed and enacted scalable project management practices used to open eight new Centers. Created an ecosystem of tools including process maps, flowcharts and detailed procedures used to strengthen and scale-up core operations.
- ▶ Developed business / strategic deliverables for corporate governance, financial reporting, KPIs and metrics dashboards, branding / sales for a new LATAM consulting arm. Created flow of goods / distribution business models, contributed to financial projections, business cases, feasibility reviews, pitch deck presentations and equity round fundraising.

Amec Foster Wheeler – Mining & Metals, Vancouver, British Columbia, Canada

2013-2015

Project Manager / Engineering Manager

- Managed essential project and engineering aspects on major surface and underground gold and copper Mining projects.
- Executed project plans, assigned resources, coordinated multidisciplinary teams, led trade-off studies, managed risks and client requirements, oversaw work of major partners and consultants, managed changes, reported progress, approved deliverables and project expenditures, authorized procurements and contracts and supported construction on-site.

Notable Projects / Results

- ▶ Fulfilled key leadership roles and completed engineering on a Gold Mine expansion and shaft-sinking project finished on time and under budget. Leeville Turf Growth Ventilation Shaft No. 3, Newmont Mining Corp., Nevada, USA, US\$280 MM
- ▶ Coordinated design areas for a Copper-Gold Underground Mine Development Project, Oyu Tolgoi, Mongolia, US\$5 BN

Triumph EPCM Ltd., Calgary, Alberta, Canada

2009-2013

Senior Project Manager

- Initiated, planned, managed and led all activities and resources of multiple EPCM capital projects in diverse Oil, Gas and Energy sectors. Accountable for all delivery stages: strategy, concept, design, supply chain, construction, operation.
- Created project plans, completed pre/feasibility studies and designs, guided interdisciplinary teams, accepted deliverables, controlled the execution and reported results. Contributed to sales proposals and redeveloped management practices.

Notable Projects / Results - Triumph EPCM Ltd. (cont'd)

- ▶ Managed on-plan a US\$30 million Full Service Oil Treatment Terminal project for Secure Energy Services as well as directed multiple US\$1-3 million conventional Oil and Gas battery and pipeline projects for CODA Petroleum Inc.
- ▶ Accomplished safely the design-build of a Pilot Plant using new technology in bitumen upgrading yielding exceptional performance results. Supercritical Solvent De-asphalting Pilot Plant, MEG Energy Corp., Canada/USA, US\$5 MM

WorleyParsons / Colt - Talisman Energy Alliance, Calgary, Alberta, Canada

2004-2008

Project Engineer / Project Manager

- Initiated, planned and directed all phases of a program of Sour Gas Facility EPCM projects in the upstream and midstream sectors. Facilitated project pre/feasibility studies for achieving area gas production growth targets and for AFE funding.
- Managed execution plans, coordinated teams, oversaw the design cycle and safety reviews, approved expenditures, procurements and contracts, wrote construction work plans and supported construction, commissioning and start-ups.

Notable Projects / Results

- ▶ Successfully managed a portfolio of 4 significant turnkey sour gas Compression Facility capital projects from concept to start-up, each valued between US\$4-10 million, completed on-time or up to 3 months ahead of schedule in Alberta.
- ▶ Facilities installed included new and revamped Compressor Stations (650-2500hp), Gas Treatment facilities (separation, dehydration, line heating), power generation units, well-sites, risers, pigging, tie-ins and gathering system pipelines.

Fluor Canada, Ltd., Calgary, Alberta, Canada

1994-2004

Lead Mechanical Engineer 1997-2004

- Led and managed mechanical engineering teams to efficiently produce project deliverables on major downstream Refinery and Petrochemical EPC projects. Responsible for full-cycle technical coordination for all mechanical equipment scope.
- Created and implemented equipment and engineering pre/feasibility studies, scopes of work, cost estimates, staffing plans and schedules. Resolved design / technical issues, negotiated with vendors and contractors and supported construction.

Notable Projects / Results

- ▶ Led a team of 10 engineers / designers on a major US\$300 million 3-year Refinery multi-unit revamp/expansion project yielding on-time equipment installations, integration and a smooth start up. Shell Canada, Scotford Refinery, Alberta
- ▶ On-Site Lead. Refinery/Coker/Sour Gas Plant Rebuild, TransAmerican Refining Corp, Norco, Louisiana, USA, US\$20 MM

Mechanical Design Engineer 1994-2004

- Prepared specifications, requests for quotations, technical bid evaluations and purchase orders for a variety of process equipment. Executed reviews of project P&ID's and vendor drawings and completed all equipment engineering.
- Technical expertise with rotating equipment, specialized packaged equipment and auxiliary systems. Broad experience with pressure vessels, reactors, exchangers, tanks, fired heaters and pressure piping systems.

Notable Projects / Results

- ▶ Ethylene Plant Expansion (E3), Addition of third Unit, NOVA Chemicals, Joffre, Alberta, Canada, US\$750 MM
- ▶ Heavy Oil Upgrader Expansion (UE-1), Syncrude Canada, Fort McMurray, Alberta, Canada, US\$5+ BN

CERTIFICATIONS & EDUCATION

Project Management Professional (PMP®), Project Management Institute (PMI), Worldwide (since 2012)

Professional Engineer (P.Eng.), Association of Professional Engineers (APEGA), Alberta, Canada (since 1997)

Certificate in Project Management (PMI), Mount Royal University, Calgary, Alberta, Canada (2007)

Bachelor of Science in Mechanical Engineering (Co-op), University of Alberta, Edmonton, Canada (1994)

Certificate in Spanish Language and Culture, University of Calgary, Alberta, Canada (2005)

RELATED SKILLS & INFORMATION

- **Principal, Adelanto Consulting Inc.**, Consultancy firm to offer project management and technical services, 2004-present
- Software / Technology: PC / MAC, Lucidchart, Affinity Designer/Photo, SketchUp. Microsoft: SharePoint, Office and Project
- Continuing Education: Project delivery and controls, technical topics, business analysis, international development, others
- Languages: Native **English** speaker and professional working proficiency in **Spanish**. Immersions / study in 4 countries.
- World travel to 52 countries on 6 continents. Have lived in Canada, the USA, Argentina, Colombia and Mexico.