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PROFILE:

A self-motivated engineer with valuable experience in the EPC/EPIC (Engineering, Procurement, Installation & Commissioning) type of Contracts in Oil and Gas & Petrochemical, Lump Sum Turn Key (LSTK) and Modularization, FIDIC and NEC Contracts in Energy, Civil and Industrial Projects for multiple disciplines (Structural steel works, Piping, Mechanical, Equipment, E&I and Telecoms, HVAC, Insulation, Anti-corrosive Protective coatings & Fireproofing, Civil - Concrete and Earthworks and Architectural), proficient in BOQ evaluation (POMI and CESSM3).

As Quantity Surveyor / Contract Specialist (over 18 years' experience) I am confident I possess an extensive competence in Estimating, Cost Engineering, Contract/Subcontract Administration within Commercial field working for major Contractors/Projects and being member of Canadian Institute of QS and Construction Estimator Certified (CEC).

CAREER HISTORY BRIEF:

Mai 2018-Present – Subcontracts Administration Engineer

Maire Tecnimont – Liwa Plastic - Polypropylene & Polyethylene Plant, Sohar, Oman--EPC-2 Project (US\$ 895,000,000)

November 2016-April 2018 – Subcontracts Administration Engineer

Maire Tecnimont – ADGAS Project, Das Island, U.A.E - Engineering, Procurement, Construction and Commissioning (EPC) Project for the First Phase of the Integrated Gas Development Expansion, IGD-E1 Project (US\$ 225,000,000) - Tecnimont's scope of the work includes the expansion of the existing gas dehydration plant with one additional unit and the related facilities (13 new modules and integration Tie-ins).

- Checking out the accounting submitted by Subcontractors for "unit prices Subcontracts", quantities (to be calculated in accordance with the drawings issued for construction and the Methods of Measurement defined in the Subcontract), verifying correct application of unit prices according with the contract price list, charges and liabilities verifying correctness of all calculations and comparing with current engineering quantity database, establishing rules of credit and earned value evaluation.
- Interim or monthly Progress Payment Certificate(s) (PPC) of each Subcontract review, considering the work progress evaluation, approved by planning department discipline wise, comment/approval, before formal issue of approved PPC(s) to Subcontractors for invoicing.
- Expediting and ensuring timely receipt of all accounting back-up documents from remote area to Head office and other deliverables, insurances, bank guarantee certificates from Subcontractors and maintain proper updating of all Subcontracts documents in accordance with the relevant procedure.
- Change management, issue, justification of change, evaluation and approval of Subcontractors Extra work Request, verification of quotations, Unit prices, Lump Sum or Hourly rates basis, considering burdens for Man-hours, Materials & Equipment involved.
- Maintain updated Subcontractor Discipline statistics, percentages of extra works sub-divided by disciplines and categories i.e.: Field Changes, Reworks, and Claims, updated Extra work Log and quantum of work to be carried out.
- Administration of all the procedures required for new proposed rates approval for the activities not included in the original BOQ, cost analysis, and updating new price register.
- Assisting Site Manager in resolving disputes with Subcontractors, by enforcing Subcontractor's contractual obligations, and participate, as required to the site meetings with Subcontractors.
- Administration of Subcontractors claims prelim and final assessments, punch list, back charges, liquidated damages and close out protocol, Technical Acceptance of Work, Certificates of Work Acceptance and Work Completion, Performance Evaluation Form, and Final Accounting Certificate.

January 2016-June 2016 – Subcontracts Administrator / Lead Quantity Surveyor

Consolidated Contractors International Company - Petrofac / Samsung / CB&I - Kuwait National Petroleum Company's (KNPC) - Clean Fuels Project (CFP) -upgrade and integration of the Mina Abdulla (MAB-Greenfield and Brownfield), Mina Al Ahmadi (MAA) and Shuaiba (Demolition and Revamp) refineries.

- Pre and post contract administration, request for quotations, drafting the comparison sheet, terms and conditions, responsibilities matrix, scope of work, financial performances, guarantees and compensation section analysis of the contracted or potential Subcontractors.
- Administrate detailed budget, cost plans and work progress per disciplines (Civil, Buildings, MEP, HVAC, Telecoms, Architectural, Insulation, Anti-corrosive Protective coatings & Fireproofing interfacing with Cost Control and Planning departments).
- Leading QS team
- Undertake the identification, analysis, evaluation of variations and potential variations and update the Variation register, compilation, assessment and submission.
- Drafting and preparation of the Purchase Orders for various services and assisting in issue of the Purchase Orders for the materials as requested for fabrication.
- Measurement and pricing of construction work progress, updating the BoQ as per the IFC/AFC drawings in order to be submitted to the Consultant, forecasting and 3 weeks look ahead schedule.
- Evaluate the subcontractor's invoices for the work accrued and prepare payment certificates, based by working progress, earned value and administrating the approvals process, back charges, advance payments, retention and payments procedures.
- Administrate, issue and approval process of the Final Accounting Certificate and close-out activities

November 2014-August 2015 – Quantity Surveyor

Shell Canada / RHI (Carmon Creek / Peace River / Alberta / Canada - US\$ 1,500,000,000)

(<http://www.shell.ca/en/aboutshell/our-business-tpkg/upstream/oil-sands/carmon-creek-project.html>)

CPF (Central Processing Facility), FF&I (Field Facilities & Infrastructures) & D&G (Distribution & Gathering System) - Phase I -A Project in heavy oil consisting in construction of a new 6,675 m³/d (42 kbopd) Processing Facility per each Phase I and II to handle the fluids coming from the field (13 well pads - 48 wells will be closely spaced on each well pad). An inter field pipeline system will transport steam to the wells and produce bitumen, water and natural gas to be sent to CPF. The Central Processing Facilities (CPF) will separate bitumen from water and natural gas, which can then be re-used to produce steam. Diluted bitumen is expected to be exported to existing North American refineries. Cogeneration units (3 units) produce an annual average of up to 630 megawatts (MW) of electricity, of which about 500 MW is expected to be distributed to the northwest Alberta power grid.

- Report directly to the Project Services Manager interfacing with the Cost Control & Planning sections as part of Project Services Department being responsible in the progress measurement process, rules of credit and earned value, direct budget cost administration against Contract agreed BoQ rates and norms (RHIComs system) and variation works for the various disciplines and activities (Earthwork, Piling, Civil works, Piping, Mechanical, Electrical, Plumbing-MEP, Instrumentation and Fire & Gas Steelwork and Structural, Protective Coating and Insulation, PFP).
- Monitor and update site work progress and earned value, against estimated quantities (control estimate), check, evaluate and validate of CWP (Construction Work Packages) progress (quantities) as provided by Contractor and report to Management
- Site measurement (spot check using Contractor submitted reports, drawings, other back-up) estimating, assisting with trends (if necessary), coordinating and managing subcontractors QS team
- Assist with the cost reporting (estimated against current fab./install. Quantities/MHS/Equipment cost using RHIComs SoR)
- Management of the Change/Variation work measurements evaluation (validation of quantities/cost of the Changes submitted by the Contractors).

March 2012-June 2014 – Quantity Surveyor

Nexen Petroleum U.K. Limited / CNOOC (Dubai, JAFZA – UAE) (<http://www.nexeninc.com>)-Golden Eagle Project (US\$ 230,000,000)-Construction of two-level, 4500-tonne wellhead deck in Lamprell Energy Jebel Ali facility for delivery in the second quarter of 2013, and a three-level, 11,000-tonne production, utilities and quarters (PUQ) deck at the same yard for completion a year later.

- Administration of the Deck Fabrication Contracts-Compensation Section
- Check out the Contractor's re-measures for all disciplines (Structural and Steelwork, Piping, Mechanical, Electrical, Plumbing-MEP, Instrumentation and Fire & Gas, Protective Coating and Insulation, PFP, Architectural, HVAC). via a batch approval system and correct applications of the Schedule of Rates, managing Contractors QS team.
- Overseeing Contractor's measurement strategy and progress, interfacing with the Contractor's Cost & Planning departments
- Monitoring Contractor's measurement progress, rules of credit and earned value evaluation and reporting on areas of achievement/concern periodically
- Review of Contractor's subcontract documents and ensuring all subcontracts terms and conditions align with provisions of Main Contract
- Processing approval of site reimbursable purchases including bid analysis
- Review and approval of reimbursable man hour submissions i.e. day works
- Input to bespoke Access databases set up to administer the fabrication contracts
- Review of the Contractor's monthly Interim Valuations, preparation of Nexen Interim Valuations for raising payment certificates through to the agreement of the Final Account
- Preparation of Variation Requests, reviewing Variation proposals
- Identifying and agreeing star rates
- Preparation of internal monthly cost reports, tracking against cost model/budget
- Monthly Value of Work Done & Accrual reporting for Fabrication element and indirect costs including Vendors, Nexen material purchases etc
- Evaluation of Site Queries

August 2009-February 2012 – Senior Quantity Surveyor/Subcontract Administrator

Puglisevich Group (NL-Canada)

Saipem S.p.A. (Dubai – UAE) -Aquila Phase 2 Project-FPSO Firenze - Renovation and Life Extension, Conversion and Fabrication of VLCC Tanker to FPSO.

Subcontract Administration of Lamprell Energy Ltd. Subcontractor being involved in Project measurement and change management. Lamprell have been in charged in fabrication of Topsides Facilities (Modules) to be integrated to FPSO: Pipe rack Modules (6 units) weighted totally 435 tons, Gas compressors module (183 tons), Stabilization and Utilities module (415 tons), Chemical and Gas dehydration module (249 tons), Power generation module (417 tons), Local Equipment room module (523 tons) and H2S removal module weighing 407 tons. Total Amount of the Project (re-measure and changes) is USD 32,500,000.

- During September 2009-April 2011, I have administrated re-measure and Subcontractor (Lamprell) variation claims, being involved in the quantities (materials take-off, man-hours, and equipment) as built re-measure against Contract rates and variation works (Change Order Proposal) for all fabrication disciplines: structural steelwork, mechanical, piping, MEP, painting and E&I and Telecomm. Scope of work, Preliminaries, Load out and barge transportation of Modules (from Jebel Ali Lamprell fabrication yard to Dubai Dry-docks Shipyard) cost re-measure and Project closeout activities, managing Subcontractors QS team.
- During April 2011-January 2012 I have provided support to Project Control Department in Saipem Office in Dubai Dry-docks Shipyard being involved in main Contractor (Dubai Dry-docks) re-measures against Contract and variation works (Change Order Proposal) for Vessel (FPSO) Refurbishment and Topsides hook-up and Integration, E&I, Telecommunication and Mechanical, MEP scope of works, variation claims and Project close-out activities (Project amount USD 75,000,000) and Contract close-out activities.

January 2007-August 2009 – Senior Quantity Surveyor

Saipem S.p.A. Milan-Italy (Dubai – UAE) (<http://www.saipem.com/site/Home.html>)

Golfinho II Project-FPSO Citade de Vitoria (US\$ 108,000,000), FPSO Gimboa (US\$ 98,000,000)-Renovation and Life Extension, Fabrication/Conversion of VLCC Tanker to FPSO.

2 Projects in Oil & Gas Construction Industry for the Refurbishment and the Conversion of VLCC Tanker – FPSO (Floating Production Storage and Offloading unit) including the Engineering, Procurement, Fabrication, Installation, Construction, Commissioning and Delivery including the installation, integration and Commissioning of various free issued equipment and modules.

- Provided support to Project Control Department being involved in the measurement process (materials take-off, man-hours, equipment) as built re-measure against Contract and variation works (Change Order Proposal) for structural steelwork, piping, MEP, painting and E&I scope of work, costing re-measure and Project close-out activities.

April 2003-January 2007 – Quantity Surveyor & Estimator

McDermott Caspian Contractors Inc.-Houston-USA (Baku – Azerbaijan)

Central Azeri, West & East Azeri Topsides Fabrication (US\$ 720,000,000) (<http://www.mcdermott.com/>)

A Project in Oil & Gas Construction Industry for the fabrication, integration, hook-up and commissioning of CA, WA & EA integrated production/drilling/quarters (PDQ) decks.

- I have provided an adequate support to the Project Control Department, Contract and Subcontracts Group, whether on site or in the main office and I have assisted the smooth running of the site team in support of their objectives;
- Quantification of various site re-measurements, checking and evaluating subcontractors invoices, including tracking of quantities and rates applied by the subcontractor, according to Subcontracts clauses;
- I have assisted Subcontract Manager in respect of providing expenditure and general management forecasts, plus compilation of necessary Contractual Correspondence and logs. Day to day contractual management of some designated subcontractor packages (45 Subcontractors), preparation of revision orders quantities of materials, equipment, manpower and costs, preparation of variation orders quantities and costs and collates of final documentation to support claims / revision / variation orders and close out activities in collaboration with client (BP/AIOC) supervisors and consultation team (Halliburton/KBR);
- For WA/EA Topside Decks I have quantified mechanical, structural, piping and architectural work as per client (BP/AIOC) RHIComs and SBUM norms to calculate man-hours and cost;
- Preparation of piping, structural, equipment and E&I support Revision Orders costs based by material take-off (MTO) quantities, fabrication/installation estimated man-hours requested.

January 2002-April 2003 - Engineer – Quantity Surveyor

Penta-Ocean Construction Co Ltd Tokyo-Japan

Constantza South – Container Terminal Project (US\$ 150,000,000)

(<http://www.penta-ocean.co.jp/english/index.html>)

- Assisted in preparation of Monthly Statements in accordance with BOQ (Bill of Quantities) to be submitted for approval to the Consulting Company (Pacific Intl. Ltd.) and estimated quantities of materials (MTO's) trends, works and equipment rentals as required and materials procurement;
- Called for quotation for the materials supply & subcontracting works, preparation of the quotation comparison charts;
- Evaluation of subcontractors submitted work orders and site instructions quantum/values, cross-checked subcontractors progress and invoices;
- Assisted in preparation of monthly progress payment statement and valuations;
- Maintained updated records of work progress; preparation of cumulated quantity list of materials (MTO-material take-offs), assisting in issue for constructions (IFC) and as-Built Drawings for Earthworks profiles (excavation and filling), steelwork foundation formworks and reinforcements for civil works, concrete works and water supply / drainage piping system, buildings, MEP.

**March 1999 – January 2002 - Assistant to Contract Manager - Quantity Surveying Department
Impregilo SpA – Strabag AG - Contransimex SA Joint Venture
Constantza Port Rehabilitation Project (€ 54, 000,000) (<http://www.impregilo.it/home.php>)**

- Carried out measures of performed works, quantities (materials, labor, equipment), tracking of progress works necessary for the preparation of the Monthly Statements payment (FIDIC Contract), check out the fabricated/installed quantities (excavations, stone/aggregates filling, concrete precast structures-stabylopods, antifers), to be submitted for approval to Consulting Company (IPTANA Engineers), and reconciliation forecasts between estimated and actual installed, being part of Commercial/Project Control Dept.
- I have supervised the activity of site checkers team nominated for all site work disciplines, and participated dynamically in the performance of the Works, in close collaboration with the Design, Planning & Cost Control Departments.

**1998 – 1999 – Engineer - Administrative Department
Tomis S.A.-Ptelia-Cyprus**

- Took part of Rehabilitation of Tomis mall project, supervising the progress and performed works, issues QA/QC documents to be submitted to local authorities, on behalf of the Client (Ptelia S.A.). The works consisted in consolidation of the concrete foundation structure (G+4 floors), re-fabrication and rehabilitation of all utility systems: water supply, drainage, sewage, electrical, MEP, instrumentation and telecom, heating, refrigeration, ventilation and air-conditioning (HVAC), equipment overhauling and rehabilitation of the architectural systems (flooring, walls, columns, stairs, suspended ceiling);
- Supervised the transportation equipment, the lifting utilities (escalators, elevators) and high-pressure plants (boilers, compressors) and other equipment and plants (pumps, motors, generators, transformers, tanks, reservoirs).
- Evaluation of subcontractor's material and labor cost quotations, fabrication/installation quantities, costs, and assisted in preparation financial monthly statements, contract cash flow progress.

**1997 – 1998 – Construction Supervisor Engineer
Constanta Shipyard – Vescot S.R.L. (<http://www.snc.ro/>)**

- Fabricated, erected, fitted, installed, anticorrosive protection of steel structures, site supervision of MINERAL SAKURA vessel (VLCC) Tanker (165.000 DWT); supervised in preparation of internal/external steel surfaces (grinding and grit blasting) for application of anti-corrosive protection, on various locations: side shell, bilge keel, deck bottom and various tanks and modules, topsides steel structures, accommodation living quarter; application of primer coat, intermediate and top layer of anti-corrosive protection (HEMPEL & INTERNATIONAL Systems) and passive fire protection (LEIGH'S System) on primary, secondary and tertiary steel structures.

**1995 – 1997 – Construction Supervisor Engineer
GIP S.A.-Romania (<http://www.gipmoldova.ro/contact-gip-moldova.html>)**

- Carried out various activities as part of specific constructions/fabrication/installation works into various refineries in Romania (RAFO Onesti, Petrotel Ploiesti, Petrom Midia), such as pre-stressed concrete, reinforced concrete foundations (reservoirs, water and acid tanks, gliding water columns, chimneys, flare tower, funnels, piping, various buildings) and pre-stressed concrete for cereals silos (ARGOS Constanta), piping steel supports, grit and sand blasting steel surfaces preparations, anticorrosive protection, and shot-crete, supervising of construction work activities, measures of fabricated/installed quantities, and drafting up monthly statements.

**1993 – 1995 - Engineer – Technical Office, QA/QC
STIZO S.A.-Romania (<http://www.stizonuclear.ro/>)**

- Site supervision of the specific construction works scopes as: pre-stressed concrete, technological proofing and heating pipe systems (thermal insulation, waterproofing) and zinc protection to Nuclear Power Plant.
- As part of the Technical office Department, I took part in preparation bill of quantities and quotations for Tenders, materials consumption/comparisons
- Being part of the Quality Control Department, I have drafted the internal QA/QC system manual and necessary procedures/specifications for the various work activities.

Projects:

Local Authority Works:

Baku-Azerbaijan- CA/WA/EA Topsides Fabrication
Nuclear Power Plant CANDU System

BP/AIOC
Cernavoda, Romania

Private Commercial Works:

Integrated Gas Development Expansion phase-I, IGD-E1, Project
Clean Fuels Project (CFP)

ADGAS
KNPC

Carmon Creek/Peace River/Alberta/Canada-CPF, FF&I Project

Shell Canada

Lamprell Energy Jebel Ali Yard-UAE-Golden Eagle Project

Nexen/CNOOC

Dubai Drydocks-UAE- Livorno Project-FSRU Toscana

OLT/Saipem

Dubai Drydocks-UAE- Aquila Phase 2 Project-FPSO Firenze

ENI/Saipem

Dubai Drydocks-UAE- FPSO Gimboa

SONANGOL Angola

Dubai Drydocks-UAE- Golfinho II Project-FPSO Citade de Vitoria

PETROBRAS Brazil

Pre-stressed Concrete Silos

Argos S.A.Constantza

VLCC Tanker MINERAL SAKURA

Constantza Shipyard

Anti-corrosive protection for salty waters collectors

Chimpomplex S.A. Onesti

Epoxy protection for floors

Rifil Savinesti

Architectural Rehabilitation

Tomis Constantza Mall

Electrical, sanitary, heating, refrigeration,

Tomis Constantza Mall

HVAC, high pressure plants Rehabilitation

Tomis Constantza Mall

Transport utilities repairs and maintenance

Tomis Constantza Mall

Civil Engineering Works:

Constantza South - Container Terminal Project

Constantza Port Administration

Constantza Port Rehabilitation - 9.5 Km of Breakwaters

Constantza Port Administration

250 m High - Gliding Concrete Chimney Construction

Constantza Electrical Power Station

Refracting masonry for Chimney 100 m

Braila Electrical Power Station

Waterproofing and Thermal Insulation

Fibrex Savinesti

Azochim Savinesti

RAFO Onesti Refinery

Petrotel Teleajen Refinery

PetroMidia Electrical Power Station Refinery

Pre-stressing concrete for water and fuel tanks

Bacau Electrical Power Station

Shot-Crete structures

Petrotel Teleajen Refinery

Civil & Buildings Constructions

P+4 (ground floor +4 storey)

Concrete Gliding Water Tower

Tecuci, Romania

Pre-stressing water and fuel reservoirs

RAJA Tg. Neamt, RAJA Moinesti

Education: 1983 – 1987 Mathematics & Physics High School “Petru Rares” Piatra Neamt
Romania-Diploma No. 134/02.07.1987
1988 – 1993 Engineering Faculties of Machines & Equipment for Constructions
University of Constructions Bucharest-Romania
Mechanical Engineering Diploma No. 2008/27.10.1993

Qualifications: Mechanical Engineer
Member of Canadian Institute of Quantity Surveyors
Construction Estimation Certified (CEC) Certif. No.253665

AutoCAD Designer Certificate of Completion No. 2025808/03.2001
ISCIR Certificate No. 0120-130/29.05.1998
CSTS-09 Certificate No.11661596/04.12.2014

Languages: English-fluent, French-good, Romanian-native

Software & Computer Systems Experience: AutoCAD, LT, Inventor, Bluebeam, Navisworks, Solidworks, MS Office (Excel, VBA, Word, Access, Power Point), MS Outlook

References available upon request:

Dario Crepaldi, Senior Subcontract Manager, Maire Tecnimont, ADGAS IGD-E1 Project,
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James P. Woodman, Project Control Manager, Shell Canada, Carmon Creek Project, CPF (Central Processing Facility), FF&I (Field Facilities & Infrastructures) & D&G (Distribution & Gathering System) – Phase 1 Project,
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