

Job Description

West White Rose CGS Project



SINC-LAVALIN DRAGADOS PENNECON

Name:	CGS SURVEY WORKS PREP & LAYOUT SPECIALIST
Department:	CONSTRUCTION
Reports To:	PLANNING/CONSTRUCTION MANAGER

RESPONSIBILITIES

The CGS Survey Works Prep & Layout Specialist (CGS-SWPLS) will:

- Responsible for all preparations of calculations, reporting and work preparations program and software.
- Provide input and advice regarding the maintenance, monitoring, coordination and management of all survey software, calculations, reporting and work preparations activities regarding CGS construction. More specifically.

MAIN TASKS AND DELIVERABLES

- Work with 3D model PDMS, terra model, Navis works, micro station, 3D calculation program SC4W, least squares adjustment, graphic Survey, Leica Cyclone and faro scene;
- Plan and execute survey tasks for conical slipforming;
- Plan and execute survey tasks for Precast operations;
- Plan and execute survey tasks for mating CGS vs topsides operation;
- Establish work instruction(s) for calculations for conical slipforming;
- Responsible for analyzing the construction operations of the project in order to propose, plan and implement improvements, with the intention of achieving minimal capital cost, on time construction and completion to the highest standards.
- Responsible for all related technical communications between all parties in a very complex environment which includes our client, the employees and all sub-contractors on site.
- Oversee the quality of communication to ensure the flow of information is supported by the management team and coordinated with Implement CGS construction and installation tolerances in all survey performance and documentation;
- Calculate 3D laser scanning. Calculate volume, weight, geometry and shape (also during slipforming);
- During Slipform operation, calculate and report best fit center, shape, wall thickness, fix points, vertical and horizontal PT ducts;
- Calculate embedment plates vs structure components from prefabrication shop for installation – during slipform;
- Create macros for all calculations;
- Off-site prefabrication and on site calculations - mechanical outfitting;
- Prepare survey work packages which will include work instructions, coordinates for layout, relevant drawings and sketches;
- Work proactively with survey supervision and surveyors to ensure what is being measured and any new tasks are completely understood;
- Understand the requirements of dimensional control from work instructions, specifications and procedures;
- Set up disto network during slipform operation to read top of form elevation;

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SINO-DRILL-PLATFORM DRAGADOS PENNECON

- Calculate best fit CGS vs Topsides;
- Deflect methods/calculation of MO structures/concrete;
- Create 3D model of structure from 3D scanning point clouds;

QUALIFICATIONS

- 15 + years of progressive CGS construction/survey experience, including leadership and mentoring.
- Postsecondary education or training in engineering, construction management, or a related discipline.
- Shall have experience on these types of large-scale complex projects;
- Must have global experience working on oil platforms;
- Possesses extensive experience in project survey software, calculations, reporting and preparations of CGS construction;
- Successfully completed relevant professional trainings.
- Has technical competence in AutoCAD, Revit, Civil 3D, Microstation, Leica Cyclone, HDS 6xxx series and ScanStation P20, P40.
- Ability to establish and maintain effective relationships with key stakeholders and decision makers.
- Excellent verbal, written, presentation and communication skills with working knowledge in Microsoft Office Suit and project management, scheduling and estimating software.
- Demonstrated ability to work independently and take the initiative.
- Strong administrative and organizational skills.
- Experience in communicating with various stakeholder groups from internal project staff to clients, subcontractors and the executive team.
- Ability to effectively present information at both detail and summary level. Ability to interact with executive management and operational level staff.
- Degree or college diploma or equivalent combination of relevant education and applicable work related experience.
- Experience working with business applications (budget, business plans and quotations).
- Experience working in purchasing or contract management systems
- Strong skills in Excel and basic Microsoft Office programs
- Familiarity with construction commercial processes
- Excellent writing skills
- Attention to detail
- Strong analytical and organizational skills

NOTE: This job description is not intended to be all-inclusive. Employee may perform other related duties as negotiated to meet the ongoing needs of the organization.