We're Hiring!
2024 New Grad Opportunities

Control Systems & Instrumentation Designers/ Drafters – New Grad

Build Your Career with Fluor

Join a global leader. Propel the Energy Transition. Design and build the world's toughest projects. Transform the future, today.

Fluor is one of Canada's top employers and is recognized globally as a leader in the Engineering, Procurement, Construction, Fabrication, and Maintenance industry. Our focus on innovation and providing cost-effective technology-based solutions is second to none. As we look to the future, we need creative, ambitious, and innovative professionals who can help us fulfill our purpose to Build a Better World.

Fluor team members are at the heart of our success in executing projects safely, thoughtfully, and with the highest quality. We aim to foster an inclusive culture that prioritizes diversity and inclusion that allows employees to bring their best, most authentic selves to work. If you value teamwork, empowerment in your career, and are eager to champion innovative and sustainable solutions to our clients, this opportunity just may be for you!

Scope:

The Control Systems Design Group works closely with Control Systems Engineers and provides detailed design necessary to locate, install and interconnect a wide variety of complex instruments components, necessary to control a modern d ay process plant.

All design and engineering work is performed in compliance with Fluor standards & practices and applicable Codes. Practical experience can be gained through short-term field assignments during which time the Designer assists in systems installations and checkouts and testing.

Main Responsibilities:

Control System Designers are involved in:

- Performing 3D modeling using SmartPlant 3D (S3D) and utilize other instrument and control system design software such as Smart Plant Instrumentation (SPI)
- Designers are involved in the preparation of drawings including the location of instruments, instrument hook-ups, network and fiber layout diagrams, signal interconnections between

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controls systems components, wiring diagrams or wire lists for the termination of all instruments

- Opportunities are provided for Designers to become familiar with, and to become competent in dealings with:
    - Complex engineering systems and controls for large mechanical and process plant equipment, conveyors and electrical motor control relays, as well as interact with other engineering disciplines like mechanical, process, structural, plant design and electrical in a project setup.

Requirements:

- Graduating with a Diploma from EDDT or Equivalent in 2023/2024
- Qualified candidates must possess strong technical, analytical, and problem solving skills
- Basic computer and software skills to include the use of word processing, e-mail, spreadsheet and electronic presentation programs Ability to communicate effectively with audiences that include but are not limited to management, coworkers, clients, vendors, contractors, and visitors
- Required to have good working knowledge of 2D CAD drafting and are required to work in a computer based 3D Design environment. Previous experience using CAD, AutoCAD, Microstation 2D and Intergraph 3D is a definite asset, but in-house training is available

Fluor Canada rewards hard work, knowledge, and commitment. Fluor offers competitive employee compensation packages, comprehensive benefit programs including Health, Dental and Vision Care, flexible spending dollars, group registered retirement program, parental top-up, education reimbursement, employee and family assistance programs, and much more. Fluor also offers several employee resource groups that aim to provide opportunities for professional and personal growth, improved wellness, and involvement in the community.

Compressed work schedule: The Fluor Canada offices work a compressed work schedule offering every second Friday off.

While only qualified candidates will be contacted for an interview, be sure to continually check our website for other related positions as they are posted.

Are you ready to join us? We are looking forward to hearing from you today!

To be considered for this position you must submit a copy of your current Resume and Transcripts. These can be combined into a single PDF document. Unofficial transcripts are acceptable.

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