



JOB OFFER no. MTL-2021-08

Automation, Control and Instrumentation Technician

Hydromega Services Inc., an independent renewable energy producer, develops, owns and operates power generation plants in Ontario and in Quebec (mainly hydro but also thermal). Hydromega Services Inc. currently has an opening for an Automation, Control and Instrumentation Technician at its head office in downtown Montreal. The selected candidate will be hired as soon as possible.

Under the authority of the Director of Operations, the Automation, Control and Instrumentation Technician will support the operations team in a) managing and maintaining a Wonderware SCADA system, PLC's (Schneider, Siemens, GE), computers servers and Windows SQL databases and an Avigilon video surveillance system (server, cameras); b) providing analysis, troubleshooting, diagnostics, improvements and repairs to the electronic equipment of the power plants; c) delivering automated reports and ad hoc reports as requested; d) regularly update the analysis tools according to the latest available updates; e) if necessary, program SCADA screen pages or certain functions in PLCs; f) ensure, in collaboration with electricians, the proper functioning of measuring instruments such as level, pressure, flow and temperature probes by taking charge of the installation, calibration, adjustment, maintenance, programming of the instruments as well as the inventory of spare parts for these instruments.

The Automation, Control and Instrumentation Technician will be in regular contact with the Operations and Maintenance Engineers and Managers as well as with the plant personnel. He/she will be involved in the technical details mainly in automation, control, instrumentation and data acquisition systems/man-machine interfaces (SCADA/HMI) of all power generation equipment as well as auxiliary equipment. As far as possible, he/she will also be called upon to take charge of the maintenance and improvement of the various telecommunication systems. He will also be responsible for preparing technical procedures, tenders for supervision, control and instrumentation equipment, inspection and test plans and for developing system maintenance programs and maintenance frequencies. He/she will perform the necessary design and calculations when required and act as a resource person for all instrumentation and control issues.

Education and Abilities

Profile

- D.E.C.in industrial electronics technology or in instrumentation and control or in electrodynamics with experience in instrumentation and control;
- 5 to 10 years experience in the work force, ideally in renewable energy, heavy industry, turbomachinery or a process industry;
- Experience in the analysis, design or refurbishment of industrial equipment, PLCs and SCADA/HMI systems;
- Experience reading and interpreting electrical and instrumentation schematics;
- Knowledge of industrial electrical, electronic, instrumentation and control maintenance practices and industry standards;
- Knowledge of electrical power and hydraulic control systems;
- Knowledge of telecommunications would be considered an asset;
- Knowledge of hydroelectric or thermal power plants would be considered an asset;
- Knowledge of Wonderware software, drafting and grafcet analysis software would be considered an asset;
- Proficiency in MS Office suite software;
- Excellent command of French and English (verbal/written).

Abilities

- Pays particular attention to the quality, thoroughness and detail of the work performed;
- Works methodically, knows how to organize tasks and information, manages priorities;
- Plans and executes his/her work independently;
- Makes appropriate recommendations based on analysis, problem solving, experience and judgment;
- Is able to work cooperatively, respects and gains the trust and support of others; is quick to find common ground and resolve problems;
- Is able to meet the physical requirements of the position such as working in high or deep places and confined spaces;
- Possesses a valid driver's license with a driving record that allows for insurance coverage;
- Impeccable integrity which can be validated by a security clearance.

The position is based in downtown Montreal and the candidate must be willing to travel approximately 25% of the time for periods exceeding 3 days.

Terms of employment

A competitive salary and a range of benefits will be offered to the chosen candidate.

Candidates wishing to apply for the position can send their resume and cover letter to the following email address: general@hydromega.com

Please include the job reference number in your email.