



MPC Consulting Ltd. is pleased to offer a permanent **Building Automation Systems Engineer** position for an experienced person who wants to work for a company where they can make a difference. Our office, based in Sidney BC, affords our staff with the best work location, climate, and lifestyle opportunities found anywhere in Canada.

As a **Building Automation Systems Engineer** you will possess sound knowledge of how to specify, design, program, configure and commission Building Automation Systems. As a member of our team, you will contribute to the daily success of the organization. Your work will be predominantly based out of our Sidney, BC office, although site visits to our regional and international customers may be required.

### Requirements

- A degree in Mechanical, Electrical or Computer Science Engineering;
- A P.Eng. designation (registered or eligible for registration with APEGBC);
- Minimum of 15 years' experience designing and programming HVAC control systems, chiller controls, etc.;
- Experience in the integration of low voltage building sub-systems using various industry protocols (i.e. LON, Modbus, BACnet, etc);
- Experience with HVAC and "hands-on" Direct Digital Control (DDC) and temperature control;
- Experience in DDC Programming and DDC commissioning;
- Experience working with and knowledge of Honeywell (EBI) and Siemens building management system an asset;
- Proven experience managing multiple projects simultaneously or a single project of major size and scope;
- OR equivalent combination of education and experience.

### Key Duties

- Provide consultancy services to the client for all aspects of design and construction of building automation systems;
- Provide engineering support for building automation systems for standard and/or critical environment facilities;
- Provide engineering support for building automation consisting of BMS specifications, electrical drawings, bill of materials, sequence of operations, DDC panel layouts, specifications and contract documents;
- Provide engineering support for mainly large complex building automation network architecture to support operator workstations, DDC field panels, and third-party integration devices;
- Prepare specifications, user requirements, site standards, and any other applicable documents, assist with FAT and commissioning;
- Foster and maintains positive working relationships with the supervisor, staff and customers;
- Other duties as required.

### Knowledge, Skills and Abilities

- Thorough knowledge of building automation industry engineering fundamentals and business operations;
- Proficiency in programming, job start-up, checkout, and troubleshooting;
- Thorough knowledge of HVAC mechanical/electrical systems;

- Thorough knowledge of OPC, BACnet, ODBC and SQL;
- Thorough knowledge of heat transfer and fluid flow and the application of mechanical devices used for delivery of ventilation, steam, chilled water, hot water, and humidification;
- Thorough knowledge of instrumentation and calibration techniques;
- Thorough knowledge of air and water balance procedures;
- Sound knowledge of ASHRAE standards and recommended practices;
- Knowledge of Information Technologies, Communication Technologies, PC Hardware Technologies, Operating Systems Technologies, PC Networking Technologies, MS Windows 2000, 2003 & 2008 and MS Office Suite;
- Authorized to work in Canada, have a current passport and a valid drivers' licence;
- Willingness to travel nationally and internationally.

### **About Us**

MPC Consulting Ltd. is Vancouver Island's (British Columbia, Canada) premier engineering company in the field of industrial automation. Our focus is on projects that include Industrial Control Systems, Instrumentation, and SCADA systems. We have delivered a variety of projects and services for customers in Canada, the USA, and with high-profile international customers. Our unique end-to-end competency allows us to offer customers a complete "design build" option to meet all project needs from a single source.

### **Why Choose MPC**

As a Building Automation Systems Engineer, you will enhance your career by being involved in technically challenging projects while working within a team of dedicated professionals. In recognition of your skills and experience we offer a competitive salary and benefits package, a positive and challenging work environment and the opportunity to be a part of exciting local, national and international projects.

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We thank you for your interest in this position. Only candidates selected for an interview will be contacted.