



KENNETH COMMISSO, P. ENG

PRINCIPAL, SENIOR E & C ENGINEER

EXPERIENCE

Mr. Commisso is a company Principal and Senior Systems Engineer. He has a broad range of experience in the operation, design, automation and commissioning of industrial control systems. He has specialized expertise in industrial control systems including DCS's and PLC's.

Core competencies include:

- Project Engineering and Management
- DCS based control design, installation and commissioning and start-up coordination.
- HMI interface design, configuration and installation.
- Detailed electrical and control system design.
- Control system tuning.

The following is representative of Mr. Commisso's experience:

- Project Manager and lead Project Engineer on various E&I related projects in heavy industry. Leading teams of electrical, instrumentation and automation designers.
- Expert in Foxboro I/A DCS Systems, including system configuration, I/O systems, hardware installations, control configuration, graphics design and configuration, communication gateways to Foxboro from PLC's, and OEM systems.
- Commissioning lead for multiple control system upgrades including migration of analog single/multiple loop controllers to DCS systems. Projects included power boiler combustion controls, fossil plant attemporator and air flow controls, rotary furnace combustion/temperature controls, Recaust plant controls and Evaporator plant controls.
- Project Manager for a coke oven gas (COG) burner management system (BMS) addition to a steel plant utility power boiler. Project included integration of the new TSSA approved COG system into the existing burner management system burning blast furnace gas, natural gas and oil. KMH provided all TSSA submissions and commissioning and startup for field approval. Modicon Quantum PLC and Wonderware HMI were configured by KMH.
- Project Manager for automation upgrade of a recovery plant area including a bark burning power boiler, black liquor evaporators and turbine generator. Five month fast track project included all aspects of electrical and controls

design including pneumatic control panel replacement, DCS control implementation, Operator graphics design, Control room relocation, and commissioning and startup.

- DCS control and graphics configuration for a black liquor recovery boiler lower furnace replacement, including advanced air, fuel and flue gas controls. Graphics interface to burner management system, including first out trip alarming. Graphics interface to advanced sootblower and port rodder sequence control and monitoring.
- Systems Project Engineer for design, installation, commissioning and startup of automation systems for 1000T/day 2 line TMP pulp mill and a 700T/day high speed newsprint paper machine, Foxboro I/A DCS, GE series PLC.
- Operating Supervisor for a 1500+ T/day newsprint mill including, 3 high speed paper machines, recycled pulp mill, TMP pulp mill, and groundwood pulp mill.

PROFESSIONAL AFFILIATIONS

- Association of Professional Engineers of Ontario (1987)
- Association of Professional Engineers and Geoscientists of British Columbia (2003)
- Association of Professional Engineers, Geologists and Geoscientists of Alberta (2005)

EDUCATION

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| 1984 | Lakehead University | Thunder Bay, ON |
| ■ | Bachelor of Engineering (Electrical) | |
| 1982 | Lakehead University | Thunder Bay, ON |
| ■ | Electrical Engineering Technologist | |

EMPLOYMENT HISTORY

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|--------------|---|-----------------|
| 1999-Present | KMH Engineering Inc | Thunder Bay, ON |
| ■ | Principal, Senior Electrical & Control Systems Engineer | |
| 1994-1999 | Avenor Inc./Bowater Canada Inc. | Thunder Bay, ON |
| ■ | Newsmill Shift Supervisor | |
| 1984-1994 | Canadian Pacific Forest Products | Thunder Bay, ON |
| ■ | Systems Engineer | |