



GREG GRACE, C.E.T.

SENIOR E & C SPECIALIST

EXPERIENCE

- Mr. Grace is a Senior Electrical and Control Specialist responsible for the design of electrical and control projects completed by KMH Engineering Inc. He has experience as a journeyman instrument mechanic, electrical and control engineering technician, process control and automation specialist and operating superintendent in the pulp and paper industry. The following is representative of Mr. Grace's experience.

- Six years as an instrument mechanic in the pulp and paper industry including installation, maintenance and commissioning in both news and kraft processes.

- Seven years experience as an electrical and control engineering technician including design of new projects and maintenance requests, technical support for electrical and control departments and control systems support.

- Documentation administration for mill wide network of electrical, instrumentation and systems documents.

- Software configuration of electrical and control systems with extensive experience with GE and Seimens PLC's and Foxboro and ABB Bailey DCS's.

- Detailed design, commissioning and start-up for replacement of pneumatic combustion controllers on 80,000 PPH gas fired auxiliary boiler.

- Commissioning and start-up of OEM supplied combustion controls and burner management system on 120,000 PPH gas fired auxiliary boiler. Commissioning included conducting combustion testing, configuration of combustion controls, tuning drum level and feedwater controls and plant/boiler master controllers.

- Detailed design, control configuration, graphics, commissioning and start-up for the integration of dilute non-condensable gas (DNCG) collection system into existing 3.5 MLBS/D recovery boiler. Configuration and commissioning of advanced air control strategy to support DNCG incineration

- Detailed instrumentation and control system design, construction supervision and commissioning for the automation upgrade of a Power Boiler, Black Liquor Recovery Boiler and Evaporators.
- Detailed instrumentation and control system design, construction supervision and commissioning for a Black Liquor Recovery Boiler Superheater replacement.
- Detailed instrumentation and control system design, construction supervision and commissioning for wet end rebuild of a 400 t/d newsprint machine including headbox, former, press and stock preparation areas.
- Detailed electrical, instrumentation and control systems design, construction supervision and commissioning for a 450 t/d recycled news plant.
- Detailed electrical, instrumentation and control systems design, construction supervision and commissioning of primary and secondary effluent treatment plants.
- Process control and automation specialist responsible for control systems uptime, monitoring and maintenance of regulatory and supervisory control in 450 t/d recycled news plant, 900 t/d thermo-mechanical pulping plant, 400 t/d groundwood plant and water quality plant. Planning and preparation of budgets and technical support to end users to meet these objectives.
- Operating Superintendent for 1500+ t/d newsprint mill including 3 high speed paper machines, recycled news plant, thermo-mechanical pulping plant, groundwood mill, water quality plant and steam plant.
- Frontline supervision for newsmill operations including accountability for mill power and steam distribution systems. Familiar with newsprint manufacturing, chip handling to finishing.

PROFESSIONAL AFFILIATIONS

- Ontario Association of Certified Engineering Technicians and Technologists (1988)

EDUCATION

- 1981 Confederation College Thunder Bay, ON
- Electrical/Electronics Engineering Technician Diploma

EMPLOYMENT HISTORY

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|--------------|--|-----------------|
| 2000-Present | KMH Engineering Inc. | Thunder Bay, ON |
| | ■ Senior E&C Specialist | |
| 1997-2000 | Avenor Inc./ Bowater Canada Inc. | Thunder Bay, ON |
| | ■ Newsmill Shift Superintendent | |
| 1994-1997 | Avenor Inc./ Bowater Canada Inc. | Thunder Bay, ON |
| | ■ Process Control and Automation Specialist | |
| 1987-1994 | Canadian Pacific Forest Products | Thunder Bay, ON |
| | ■ Electrical & Instrumentation Engineering Technician | |
| 1981-1994 | Great Lakes Forest Products/
Canadian Pacific Forest Products | Thunder Bay, ON |
| | ■ Instrumentation Mechanic | |