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Summary

A dynamic manager with a strong record of achievement combining skills in diverse areas of organizational development, group/staff leadership, project management and program development, manufacturing engineering (Lean Manufacturing, DFM, CDR…) and budget development.

Experienced in the operation of a successful consulting practice in composite materials (design and development), the turn around of training practices and information technologies (IT). Highly motivated and intuitive, effective at human relations, and able to manage both schedules and resources to maximize productivity.

Linguistic Skills

English and French: reading, speaking and writing.

Selected Achievements

Composites VCI Inc. 2002-2004

- Implemented an operation management and job costing system for two production plants including orders follow-up, stock control and manpower resources.
- Moved manufacturing activities to a new plant within a strategic acquisition.
- Measured the production added value in a Lean Manufacturing development program.
- Implemented the ISO-9000-2000 quality assurance program in the operation activities.
- Started new productions within very short time scale: new visual structures (MVE 200, turn-key solution) and new concept of simulator cockpit for **CAE**; turbine generator "gas shields" for **GE Power System**.

CAE Inc. 2000 - 2002

- Managed the redesign and retooling project for the standard visual structures (MaxVue 180) which included prototyping and production start-up. Reduced the assembly cycle time and the manufacturing costs by a modular approach while enhancing the final product quality. An eight-months project of 1.2 M$ with a return on the investment in the next 12 months.
- Optimized designs, tooling, manufacturing practices, assemblies and costs of composite material parts in diverse development projects: Sim XXI, submarine, military and other simulators, marine consoles, cockpits, etc.
- Enriched the company's material knowledge database by writing diverse controlled documents, specifications and procedures.
- Trained key personnel: designers, buyers, QA agents, assemblers, etc.

Selected Achievements (continued)

Cégep de Saint-Jérôme 1987 - 2000

- Started-up the Collegial Center for the Transfer of Technology in Composite Materials.
- Reviewed the Composite Material Technology program according to the competency-based approach of the Ministry of Education of Quebec.
- Analyzed the financial incidence of the program review. Obtained a 1.8 M$ budget for implementing the new program.
- Designed, managed and implemented an on-line training project in composite materials. (See http://cours.cegep-st-jerome.qc.ca/composites/). Received the **1999 Phénix Prize**, for the "Research or Pedagogical Innovation" category.
- Gave specialized instructors training sessions for the Ministry of Education: “Statistical Process Control” (SPC) and “Design of Experiments”.

Composite Materials Center of Saint-Jerome (CMC) 1993 - 1995

- Designed and manufactured a high performance test gear made from carbon PEEK composite for aircraft engines for **Pratt & Whitney Canada Inc.**
- Designed the first composite bushing breaker (electrical insulator: see www.eci-co.com/pdf/breakers.pdf) for the Hydro-Quebec network, using a new molding process (APG) to be implemented in a new production plant (**Electro Composites Inc**.).
- Designed and built telescopic beam prototypes for the scaffolding in the underground access manholes for the **Hydro-Quebec** network.
- Developed a molding process using an inflatable bladder adapted for the manufacture of a monoshell frame for a mountain bicycle (See http://departements.cstj.net/ttmc/velo0.htm).
- Participated in the setting up of the ISO-9001 quality assurance program.
- Gave specialized training sessions for **CAE** and **Bombardier Aerospace**.

Marconi Canada 1984 - 1987

- Implemented the production of new lines of printed circuit boards (PCB): rigid/flexible, multiplayer and integrated metal core PCBs.

Hydro-Quebec Research Institute (IREQ) 1983 - 1984

- Designed and assembled a model simulating heat dissipation in underground cables.
- Completed the instrumentation of a full-scale test set.

École de technologie supérieure (ETS) 1982

- Implemented a local architecture and a new programming language (Frotran 77) on micro-computers intended for training sessions.

Education

Bachelor's degree in mechanical engineering, École de technologie supérieure (Université du Québec), Montreal, 1984.

College diploma (DEC) in mechanical manufacturing technology, CÉGEP de Limoilou, Qc, 1979.

CAREER HISTORY

Composites VCI Inc. 2002 - 2004

Supplier of composite material parts.

Operation Manager

- Managed production, human and material resources, stock and maintenance for two production plants.

CAE Inc. 2000 - 2002

Leading provider of integrated training solutions and advanced simulation and controls technologies to civil aviation, military and marine customers.

Manufacturing Analyst

- Supplied the manufacturing expertise to the departments of engineering, manufacturing, supply chain, and quality for composite material parts and assemblies.

Cégep de Saint-Jérôme 1987 - 2000

Host college for the Collegial Center for the Transfer of Technology in Composite Materials (CCTT) and the composite material training program.

Project Manager / CCTT
Instructor - Coordinator / Composite Material department

- Managed development projects. Coordinated departmental affairs and taught courses in the composite materials program.

Composite Material Center of Saint-Jerome (CMC) 1993 - 1995

Development center specialized in composite material.

Project Manager

- Managed development projects in collaboration with the industry and the governmental organisms.

Marconi Canada 1984 - 1987

Supplier of electronic equipments for military and avionic industry.

Industrial Methods Specialist

- Developed processes for printed circuit boards and elaborated new manufacturing methods. Optimized production costs. Provided technical assistance to the departments of design and marketing.

Hydro-Quebec Research Institute (IREQ) 1983 - 1984

Research and development center specialized in the energy.

Technical Collaborator

- Gave technical assistance to the research and development programs and laboratory tests.

École de technologie supérieure (ETS) 1982 - 1983

Engineering school included in the Quebec university network.

Corrector

- Supervised lab work and corrected term papers done for the course entitled: Computers and Programming.

Other selected achievements and experiences

Realized diverse mandates in consulting practice:

- Feasibility studies: Light weight Forestry Trailer, Composite Cab Protector and Portable Bridge (FERIC, 2004, 2005).
- Design and manufacturing assistance of scenery parts for a new aquatic show in Las Vegas for **Dragone** (2004).
- Wrote a composite material specification for "le **CIRQUE DU SOLEIL**" (2002)
- Selected composite materials for a new show for "le CIRQUE DU SOLEIL" (2002)
- Assisted the design and wrote a controlled document for composite parts related to marine products for **CAE** (2002)
- Designed and run experiments for the development of a prepreg formulation for the **CMC** (1995)
- Evaluated the assembly joints of chip-van-trailer panels for **Deloupe Inc.** (1995).

Continuing Education

Lean Manufacturing, TopTech (2004)

Measurement of Lean Manufacturing, Tecsult (2003)

Effective Writting Skills (2001)

European Conference on Composite Materials (JEC-SAMPE), Paris (1997, 1999 and 2002)

Telematic Communications (2000) and *Multi-media learning environments* (1998), graduate studies, École de technologie de l'information (ETI)

PERFORMA courses (Université de Sherbrooke):

- *Using Videoconferencing for Distance Education* (1998);
- *Planning and Producing Pedagogical Documents Using the Computer* (1996);
- *Formative Evaluation* (1995)*;*
- *Academic Motivation* (1995);
- *Student Profiles* (1990).

Visual Basic V4.0, Collège de Bois-de-Boulogne, (1996)

Planning and Statistical Analysis of Experiments, graduate course, École Polytechnique (1993)

Symposium on resin transfer molding (RTM), École Polytechnique (1993)

Convention on composite materials and tooling in Anaheim, California, Society of Manufacturing Engineers/Composite Material Institute (SME/CMI) (1992)

Specialization training period (four weeks) at FIBERGLAS CANADA INC., Guelph, Ontario (1989)

Convention on composite materials in Dallas, Society of Plastics Industries (SPI) (1989)

Course in programmable controllers, Telemechanics, City of Saint-Laurent (1988)

Professional associations

L'Ordre des ingénieurs du Québec (OIQ)

« The Society for the Advancement of Material and Process Engineering » (SAMPE)

« The Composites Fabricators Association » (CFA)