



Analytical Engineer Renewable Energy & Energy Efficiency



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PROFESSIONAL WORK EXPERIENCE

February 2009 / ... Engineering Manager – Internat Energy Solutions Toronto, Canada

- Supervision of all energy audits, analysis and simulation for Government, Business and Residential Buildings
- Dimensioning of Hardware for system being studied and supervision of on site project installation
- Supervision of on site project installation
- Lead in Renewable Energy R&D Projects
- Training for Engineering Team in new analytical software
- Managing Day to Day Office and Company operations

2005/09 Program Manager – ABC Group Toronto, Canada

- Responsible for all Engineering activities in acquiring new business from Automotive OEM's, which include quoting, preliminary design feasibility, primary and secondary tooling production and process validation
- Products include a variety of thermoplastic parts that incorporate such manufacturing processes as blow moulding, injection moulding, vacuum form, painting, component assembly and on-line validation testing (Focus on Vehicle Interior Products)
- Budgetary responsibilities and tracking for program in development stage
- Leader of Value Added Projects that bring cost savings to both ABC Group and our customers

2003/05 Project/Program Engineer – Internat SAS Toulouse, France & Beijing/Shanghai, China

- After Sales Manager for Concrete Construction Machinery sold in Asia (Truck Mixers, Pump Trucks, Batching Plants)
- Set up work systems for employees to help in efficiency and understanding
- Documented and standardized manufacturing and repair procedures
- Managed the localization of manufacturing and assembling of certain products previously done at European locations
- Headed the planning and construction of a new manufacturing/service centre in Beijing, China
- Communicated daily with European suppliers to find solutions to design and repair problems related to mechanical components used for concrete production and delivery in China
- Responsible for Quality Control of Supplier Shipments from Europe to Asian destinations
- Managed the everyday operations (financial, networking, employee's etc..) of Toulouse Branch Office

2001/02 Analytical Engineer (Queen's University Internship Program) – Pratt & Whitney Canada Mississauga, Canada

- Heat transfer analysis on fuel manifold for Combustion Division
- Thermal stress, displacement, and life cycle analysis on combustion walls
- Dynamic analysis on combustion components and assembly
- CFD analysis to optimize fuel spray uniformity and flame location in combustor chamber
- Supervised Testing Rig manufacturing and assisted in variety of rig testing for Combustion Division

RELEVANT PROFESSIONAL EDUCATION

2009 In Process of LEED Certified AP For New Construction & Major Renovation Toronto, ON, Canada

2009 RETScreen Software – Clean Energy Project Finance Toronto, ON, Canada

2009 EE4 Software London, ON, Canada

EDUCATION

2009/.. Master of Engineering and Environmental Studies (Candidate) University of Toronto, Toronto, ON, Canada

- Commencing in Fall of 2009

1998/03 Bachelor of Science in Mechanical Engineering Queen's University, Kingston, ON, Canada

- Graduated First Class with Honour's and Professional Experience
- Graduate of QUIP (Queen's University Internship Program)
- Graduate of IAESTE (The International Association for the Exchange of Students for Technical Experience)
- Four Year Member of the Queen's Formula SAE Team and Publish Paper "Assessment of a Glued Aluminum Monocoque and Suspension for Formula SAE® Style Racecar" Paper Number 2000-01-3539

OTHER SKILLS

- Worked extensively with OEM (Original Equipment Manufacturer) customers in the Aerospace, Construction and Automotive Industry
- Strong International work experience having lived and worked in North America, Asia and Europe
- Trained in a wide range of CAD (Computer Aided Drawing) and Analytical Engineering Software's
- Fluent in both Windows and UNIX operating systems, including Microsoft Office programs
- Professional skills and experience in working with individuals from other countries via email, video conference, and extensive travel
- Team oriented and enjoys working with customers, suppliers and colleagues
- Responsible and dedicated to completing projects for deadlines
- Ability to communicate in English, French, Italian and Chinese (Mandarin)
- Member of PEO as of July 2007

INTERESTS

- Languages : Working knowledge of Italian and French along with communication skills in Mandarin
- Soccer, Skiing, Hockey and physical training
- Student in Acoustic Guitar
- Reading : Novels, Political Sciences and History