

# MOHAMED A. ATTIAH, P.Eng., M.A.Sc.

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## Highlights of Experience

Dedicated Professional with comprehensive experience in Design Drafting, Project engineering, Operations, Production management and Logistics. Demonstrated ability to train, coach and manage team members to achieve project and organizational objectives.

## Core Competencies

Design Drafting;	Project & Design Engineering;	Operational Management;
Equipment Procurement;	Distribution & Transportation;	Training & Development;
Health & Safety;	Regulatory Compliance;	Budgeting & Cost Reduction.

## Professional Experience

### Design Drafting and Project Engineering:

- Provided ongoing support to the operations of Chalk River Nuclear Research Facility, Chalk River, Ontario for both Nuclear and conventional systems.
  - Investigated, monitored and rated operational performance of Nuclear components for the NRU Research Reactor such as Heat exchangers, Pressure vessels, Pumps and piping components.
  - Proposed Policies for maintaining, upgrading and replacement of equipment and piping components.
  - Prepared Project Proposals and cost estimates.
  - Presented detailed project Breakdown, and schedules to customers and to management.
- Managed Multi -Million Dollars Contracts for Procurement, Design, Project Engineering of Heat Exchangers, Pressure vessels and Piping Components for Pickering Nuclear Generating Station, Pickering, Ontario, Canada including:
- Technical and Commercial Specification of Nuclear equipment.
  - Thermal and mechanical Design of equipment to ASME and TEMA codes.
  - Ongoing Liaison with equipment manufacturers, Thermal Hydraulics, process designers, construction site and Operations.

### Plant Operations Management and Production:

As a key Member of the Production team in the South Central Mail Processing Plant (the largest mechanized mail processing facility in Canada with daily capacity of one Million pieces of mail).

- Streamlined production processes within the facility which reduced overtime by 73% and increased Productivity by 15%.
- Implemented improvements of maintenance procedures which cut down the production equipment downtime by 15%.
- Modified the Production schedules which increased the machine availability by 25%.

- Consolidated production facilities and mail distribution facilities which reduced direct labor costs by 23%.
- Conducted work sampling studies in the manual processing section which improved the annual section Productivity by 15%.
- Modified mail distribution schedules in order to optimize transportation costs.
- Reviewed the plant Operational Health & Safety procedures which resulted in decreased injury and absenteeism rates.
- Recommended resolutions of complex labor conflicts in a harsh union-labor environment. Interfaced with the legal Dept, senior management and labor unions to facilitate the speedy processing of labor grievances up to Arbitration.

### **Employment History**

1. Atomic Energy of Canada Ltd, Chalk River, Ontario, Canada  
Senior Project Engineer; (2000 – Present)
2. Contract Jobs with Stone & Webster Consulting Eng. , Boston, Mass. and with Mecca Electric.Co. Consulting Engineers & Electrical Contractors, Newark, NJ, USA; (1997- 2000).
3. Canada Post Corporation, Toronto, Ontario, Canada.  
Senior Engineer; (1986-1997)
4. Ontario Power Generation (Ontario Hydro), Toronto, Ontario, Canada.  
Project Design Engineer; (1980- 1986)

### **Academic Qualifications**

- M.A. Sc., Department of Management Sciences, Faculty of Engineering University of Waterloo, Waterloo, Ontario, Canada, 1988.
- B.Sc. Mechanical Engineering (Power Section), Faculty of Eng., Cairo University, Egypt, 1969

### **Professional Development**

- Computer Skills: Microsoft suite (Word, Xcel, Power Point, access); Auto-Cad and Primavera.
- Language Skills: Arabic (mother tongue); English (fluent) and German (working knowledge).
- Member of the Canadian Reserve Armed Forces as a Reserve Officer (1991 – 1997).
- Currently a Member of the Centre for Social Innovation (CSI) Pitchmasters Public Speaking Club. Toronto, ON.