



**DANNY C. MARMORA**, B.Eng., P.Eng.  
Principal & Expert Engineer

**SPECIALIZED PROFESSIONAL COMPETENCE & EXPERTISE**

Industrial and Construction Workplace Incident, Accident and Fatality Investigations  
(in accordance with OHSA, CSA, MOL)  
Ministry of Labour Order / Investigation Compliance Reporting  
Due Diligence Reviews  
Operational and Task Risk Assessments Involving Machinery Safety and Process Reliability  
Physical and Electronic Guarding Specification, Design and Evaluation  
Review and Evaluation of Flammable Liquid / Gas Dispensing and Hazardous Industrial Processes,  
Materials, Operations and Area Classifications  
Pre-Start Health and Safety Reviews / Machinery Assessments  
Confined Space Evaluations  
O.H.S.A / Fire Code / NFPA Code Compliance Analysis  
Mechanical Equipment Failures  
Process / Operations Incidents  
Product Failure / Compliance / Liability Analysis  
Extensive Manufacturing Experience Ranging from Plant Floor to Engineering Management

**ACADEMIC BACKGROUND**

Mechanical Engineering Degree, Ryerson Polytechnic University, Toronto, 1995  
Mechanical Engineering Technology Diploma, (Honours), George Brown College, Toronto, 1991  
Mechanical Engineering Technician Diploma, (Honours), George Brown College, Toronto, 1990

**ADDITIONAL COURSES AND CERTIFICATIONS**

JHSC Certified Member, WSIB, September 2009  
JHSC Part Two Certification – Office Hazards, Gowlings Lafleur, Henderson, LLP, July 2009  
JHSC Certified Member – Part One Training, Gowlings Lafleur, Henderson, LLP, June 2009  
Mechanical Power Press Safety Standard, CSA Z142-02: CSA Offices, February 2003  
Hazardous Area Classifications: Electrical Safety Authority, October 2002  
Pre-Start Health and Safety Reviews, Section 7 of O.Reg 851: HITE Engineering, January 2002  
Machine Guarding, CSA Z432-94, Safeguarding of Machinery: HITE Engineering, January 2002  
Forensic Engineering / Failure Analysis: University of Toronto, April 2000  
Comprehensive Project Management: University of Toronto, December 1999

## EMPLOYMENT BACKGROUND

### *Consulting Engineering*

**Marmora Consulting Inc.**, Stoney Creek, Ontario 2010 - present

Principal & Expert Engineer, responsible for technical investigations specializing in:  
Industrial Risk Assessments for Equipment / Process Safety & Improved Reliability  
Pre-Start Health and Safety Reviews, Machine Guarding Safety Reviews  
Workplace Accident and Fatality Investigations  
Hazardous Industrial Processes, Materials, Operations and Area Classification Reviews  
Occupational Health and Safety Audits Reviewing Combined Machinery, Process, Fire and  
Personnel Safety for Compliance with Ontario Health and Safety Law  
Machinery / Process / Product Failure Investigations  
Commercial and Industrial Fire Suppression System Failures

**Giffin Koerth Forensic Engineering & Science**, Toronto, Ontario 2006 - 2010

Senior Forensic Engineer, responsible for technical investigations specializing in:  
Workplace Accident and Fatality Investigations  
Machinery / Process / Product Failure Investigations  
Commercial and Industrial Fire Suppression System Failures  
Commercial, Residential and Industrial Vessel / Piping Failure Investigations  
Commercial, Residential and Industrial Material Failure investigations

**Trow Associates**, Brampton, Ontario 2004 – 2006

Senior Mechanical Engineer / Project Manager, responsibilities included:  
Pre-Start Health and Safety Reviews, Machine Guarding Safety Reviews  
Hazardous Industrial Processes, Materials, Operations and Area Classification Reviews  
Business Development and Marketing Activities  
Building Sciences – Review of Mechanical, Electrical and Fire Protection Systems in Large  
Commercial / Residential Buildings

**HITE Engineering**, Mississauga, Ontario 2002 – 2004

Senior Consultant, responsibilities included:  
Pre-Start Health and Safety Reviews, Machine Guarding Safety Reviews  
Safety Engineering – Specification, Design and Evaluation  
Review of Flammable Liquid / Gas Dispensing and Hazardous Area Classifications  
Occupational Health and Safety - Equipment, Process and Facility Reviews in accordance with current  
Occupational Health and Safety Legislation  
In House / On-Site Training in the areas of PSR, Occupational Health and Safety, Fire and Electrical  
Code, WHMIS and Confined Space Regulations

### *Industrial Practice*

**MUNCK Cranes**, Stoney Creek, Ontario 2000 – 2001

Engineering Manager

<b>Steelcase Canada</b> , Markham, Ontario	1998 – 2000
Manufacturing Engineer, promoted to Resident Product Engineer	
<b>SKF Canada</b> , Scarborough, Ontario	1997 – 1998
Intermediate Application Engineer	
<b>HUSKY Injection Molding Systems</b> , Bolton, Ontario	1995 – 1997
Mold / Hot Runner Designer	

#### PROFESSIONAL SOCIETIES & INDUSTRY ASSOCIATIONS

Professional Engineers of Ontario  
American Society of Mechanical Engineers  
American Society of Metals  
Canadian Society of Safety Engineers  
Application in Process - Ontario Association of Certified Engineering Technicians and Technologists  
Application in Process - American Society of Safety Engineers  
Application in Process - Board of Registered Safety Professionals  
WICC (Women in Insurance Cancer Crusade) Golden Horseshoe Chapter – Volunteer

#### EXPERT WITNESS TESTIFYING

Qualified as an expert in Mechanical Engineering – Ontario Superior Court of Justice 2007  
Provided evidence at trial regarding an accident involving a window washer – 2007

#### SELECTED ACCIDENT / FATALITY INVESTIGATIONS

Critical worker injury resulting from limb entanglement with travelling crane  
Industrial fatality resulting from dock leveler collapse on maintenance worker – J.H. Secord Ltd.  
Critical injury resulting from fall of suspended window washer – P. Arseneault v. Premium Properties  
Industrial fatality resulting from production worker becoming crushed in saw mill  
Critical worker injury resulting from limb entrapment when bakery machine interlock guard failed  
Collapse of constriction tower crane resulting from material failure  
Construction worker fatality resulting from entanglement with materials and fall from elevated area  
Construction injury resulting from lack of guardrails in interior of new home under construction  
Fatality of small child resulting from a garage door collapse on them  
Critical construction injury resulting from service access ladder installation collapse on worker

#### SPEAKING ENGAGEMENTS & TRAINING

Seminar Trainer, Gowlings Lafleur, Henderson, LLP, 2008 – present, providing the following training:

Pre-Start Health and Safety Reviews – Legislation and Applications

In House / On-Site Trainer, HITE Engineering, 2002 – 2004, providing the following training:

Pre-Start Health and Safety Reviews – Legislation and Applications  
Ontario Fire Code 1997 – Parts 4 & 5  
Ontario Electrical Code 2002 – Sections 18 & 20  
Ontario Regulation 851 for Industrial Establishments  
Ontario Regulation 860 for Workplace Hazardous Materials Information System, (WHMIS)