

MAIRI MACLEAN

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CAREER SUMMARY

Twenty-four years of progressive experience as a senior level manager, engineering manager, senior mechanical engineer and development engineer. Energetic and motivated leader with natural ability to recognize and optimize the talents of others. An accurate, systematic, results-driven thinker. Intuitive, tough minded but fair, with strong technical skills, interpersonal communications skills and the ability to perform under pressure.

KEY SKILLS AND COMPETENCIES

- Product Development
- Project Management
- Technology Commercialization
- Cost Reductions
- Quality Resolution
- Budget Planning
- Problem Solving
- Team Building
- Employee Coaching

PROFESSIONAL EXPERIENCE

ITW DYNATEC – Hendersonville, TN

1998-2008

Product Development Manager

Responsibility for the Engineering Group including budget and staffing. Accountable for global product development from concept to release and management of a multi-disciplinary team of product engineers.

- Directed teams through major quality investigations, ensuring sustained business growth.
- Directed and coordinated project initiatives for major customers. Developed product success plan with sales staff and customers' engineers, resulting in \$.5-\$1 million yearly additional niche sales while maintaining 2-3 major product releases annually.
- Awarded patents for Hot-Melt technology inventions.
- Spearheaded the Growth Through Innovation initiative, resulting in new innovative product introductions linked to customer feedback.
- Conducted Voice of the Customer Interviews for new product initiatives.
- Facilitated joint developments with corporate engineers and scientists.
- Led product cost reduction initiatives, resulting in 10-30% cost reduction.

VIDEOJET SYSTEMS INTERNATIONAL – Wood Dale, IL

1989-1998

New Product Engineering Manager, (1996-1998)

Managed a multi-disciplinary group of 15 engineers with a budget in excess of \$1 million.

- Developed a new graphics product in record time.
- Teamed with marketing, manufacturing, quality assurance and technical service representatives resulting in successful and timely product development.
- Selected by management, to be a member of the due diligence team for the company's largest acquisition.
- Recognized frequently by supervisor and team members for leadership ability.
- Incorporated impulse technology into new company products that protected the existing customer base and penetrated into a new market segment.
- Optimized the professional growth of team members by identifying individual strengths resulting in greater contribution to the company.
- Absorbed a product from an acquired company into the product portfolio, which terminated market share erosion.

PROFESSIONAL EXPERIENCE *(continued)*

Senior Engineer, Technology Group, (1993-1996)

Effectively evaluated printing technologies and determined those most suitable for implementation.

- Researched and developed a Hot-Melt Continuous Ink Jet prototype printer.
- Awarded patents for developments in ink jet technology.
- Received achievement awards for innovation in ink jet development.

Engineer, Mechanical Engineering Group, (1989-1993)

Designed new ink jet technology. Worked closely with technical team members, suppliers and model shop personnel to rapidly develop prototypes.

- Developed a Hot-Melt Impulse prototype printer.
- Received achievement award for Impulse Ink Jet development.

FERRANTI NAVIGATION SYSTEMS – Edinburgh, Scotland

1985-1989

Development Engineer, Special Projects Group, (1987-1989)

Consulted with professors and support personnel to design and build a solid state piezoelectric vibratory gyro.

- Successfully designed, built and tested the first gyro of its kind.

Development Engineer, Electro-Mechanical Components Group, (1985-1987)

Designed jigs and fixtures to ensure the accurate assembly of navigation system component parts.

Assisted manufacturing engineers by analyzing and specifying production processes.

- Invented, designed and developed an innovative balancing mechanism for a miniature gyro.

SCOTTISH ENGINEERING TRAINING SCHEMES – Glasgow, Scotland

1981-1985

Engineering Intern

Completed a broad range of training including basic workshop practice, building services consultancy, power station operations and nuclear power station control room displays.

EDUCATION AND TRAINING

MBA with Distinction – Keller Graduate School of Management, Chicago, Illinois

BS Mechanical Engineering with Honors – Strathclyde University, Glasgow, Scotland

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| • Pro E for Managers | • Finite Element Analysis | • Total Quality Management |
| • AutoCAD | • Dimensional Management | • Software Programming |
| • Failure Mode Effect Analysis | • Product Line Simplification | • 80/20 Principals |
| • Market Rate of Demand | • Understand, Simplify, Act | • Mistake-Proof Manufacturing |

PROFESSIONAL CERTIFICATIONS AND AFFILIATIONS

Chartered Mechanical Engineer

Institution of Mechanical Engineers

The American Society of Mechanical Engineers