



Profile

Dynamic and innovative manager bringing products from concept to industrial successes for over 15 years. Lean Six Sigma certified, I led the design, prototype and volume production of complex electro-mechanical equipment for harsh environment (surface, downhole, marine). Skilled in leading cross-functional, multisite team of up to 300 HC, I championed implementation of disruptive technology and organizational changes. I nurture close communication, empowerment and diversity along with clear roadmap and KPI to drive internal and partner teams toward improved overall cost, quality and delivery.

Expertise

Product Development

Technology Roadmap

Change Management

Manufacturing Operations

Industrialization (NPI/TRL)

P&L | Budget Accounting

Innovative Thinking

Team Engagement

Analytical Skill

Experience

Head of Manufacturing & Supply Chain

Schlumberger▷Shearwater, Norway | **since Jul.2018**

Establishing a brownfield Manufacturing organization post divestiture from Schlumberger

- Coordinated the divestiture of activity; from 8-to-1 downscaling, followed by post-divestiture regrowth. Defined strategic goals, roll-out associated Hoshin plan & KPI; safeguard competencies and engagement. Product portfolio rationalization (incl. Make vs Buy analysis). Resource management and capital prioritization. *Implemented new business processes and platforms: ERP (QAD), Product Lifecycle Management (Enovia)*
- Ownership of Manufacturing site performance (safety, compliance, quality, cost, delivery, productivity). Responsible for financial planning and overall financial performance & efficiency across the organization.
- Lead >100 employees across Manufacturing, Technical Support, Supply Chain, QHSE, Finance, HR and Facility. *No attrition, despite unfavorable business, thanks to communication, coaching & performance recognition*
- Championed step-change projects to improve On-Time Delivery, Quality and Cost. *Reduction of part variance from optimized issuance during Repair: "do more with less" (\$250k avoidance)*

Engineering Program Manager

Schlumberger, Oslo, Norway | **Jul.2014 - Jul.2018**

Development of a cost-efficient, high-tech marine seismic platform: mechanics, electronics, software, data

- Lead multi-discipline, multi-site, 35 HC team: Research, Engineering, Manufacturing in 4 centers in 4 countries. Complex requirements and risks management; multifaceted stakeholders.
- Product industrialization from Technology Readiness Level maturity 3 ▷ 7: proof of concept to system prototype. *Design-to-cost optimization: reduced quantity of equipment required to form seismic system (\$20M saving)*

Technology Manager

Schlumberger, Penang, Malaysia | **Mar.2013 - Jul.2014**

Definition of the Advanced Technology roadmap and associated CAPEX & Technology execution

- Managed the Seismic Manufacturing Technology group of 35 engineers across 4 centers in Europe and Asia.
- Definition and execution of the Industry 4.0 roadmap, footprint strategy and value optimization.
- Lead technical projects for new product introduction (M/TRL 4 to 9), pFMEA, optimization. *Concept definition and roll-out of automation lines that improved efficiency 4 folds and quality 10 folds*
- Interim center manager (H1 2014); responsible for balance sheet of \$110M revenue, management of 330 HC.

Product-Line Manager

Schlumberger, Penang, Malaysia | **Oct.2010 - Mar.2013**

Pioneer set-up of new Manufacturing operation in Malaysia: >\$40M/year from footprint optimization

- Established & ramped-up a Product-Line: greenfield to \$100M yearly revenue of internal & external production
High-volume production of technologically-advanced equipment : >500,000 land seismic sensors in 2 years.
Responsible for P&L sheet (COGS+CAPEX), on-time delivery, quality and cost both internally and at suppliers.
- Championed step-change process optimization projects (MRL 10): Kaizen, Lean, Continuous Improvement, ...
Award-winning Lean project boosting productivity by 80% on our Sensor Unit assembly [VSM, cell layout]
- Mentoring and competency management to establish strong QHSE, Lean-5S mindset among new population.

New Product Introduction Team Leader

Schlumberger, Oslo, Norway | **Jan.2008 - Oct.2010**

Optimize New Product Introduction through Design-for-Manufacturing and Design-for-Test

- Lead Industrialization of production both internally and at suppliers to achieve quality and takt-time (MRL 4→9).
Coordinated strategic sourcing-for-cost initiatives: \$4M saving across 16 electronic / mechanical parts
- Completed numerous design improvement projects using various Lean Six Sigma tools (DMAIC, Cpk, DOE), software (iGrafx, Minitab, SPC XL, MoldFlow) and lab equipment (chambers, sample prep., SEM-EDS, DMA)
Step-change hydrophone encapsulation design: from 45% reject-rate to 0 reject (\$6M yearly cost avoidance)
- Detailed knowledge and implementation of electronics standards for production and inspection (J-STD, IPC).

Manufacturing | Sustaining Engineer

Schlumberger, Princeton NJ, USA | **Jul.2003 - Jan.2008**

Technical ownership of product and processes of nuclear generators for downhole use

- Optimized Design and Method to increase Yield and Quality
- Close collaboration with Research

Flight Communication Test Engineer

Transiciel – Airbus, Toulouse, France | **Feb.2002 - Jul.2003**

Responsible for executing test protocols to validate new airplane air – ground communication systems

Engineer Internship

Schlumberger, Princeton NJ, USA | **Feb.2001 - Oct.2001**

Design of a compact, high-voltage 150kV power supply for a novel rugged electronic x-ray generator

Education

Lean Six Sigma Green Belt, Schlumberger – Motorola

2006

Master of Science, Electronics and Communications:

École Centrale de Lyon, France

1998 – 2001

Classes Prépa MP*, Reims, France

1996 – 1998

Language

French, native

English, fluent, work language for 15 years

MS Office ■■■■■■

VBA/Macro ■■■■■■

iGrafx & SPC XL ■■■■■■

PHP/SQL/Bash ■■■■■■

Computer Skills

Recognitions

Principal Engineer, Schlumberger's technical peer-recognition ladder, top 0.2% technical contributors

Patent Seismic Sensor Cable [PCT/US2016/036299]

Patent Gel and foam seismic streamer [PCT/US2016/066049]

Patent Apparatus and Method for Decoupling a Seismic Sensor [PCT/US/2011/0273957]

Patent Compact Radiation Generator [PCT/US2010/056658]

Lean "Outstanding Enterprise Project" awarded for a step-change efficiency gain in sensor assembly

Silver award 'Performed by Schlumberger' for seamless introduction of new technology to key client

Reservoir Symposium award 'Best R&D collaboration' for cross-department collaborative development