

Alexandre DERVAUX

Date of birth : 14/11/1980

Marital status : Single

High Mobility

49 rue du docteur Dewyn, 59200 Tourcoing, France

☎ : +33 6 77 99 80 37

✉ : alexandre.dervaux@sneema.fr

website: www.alexandre.dervaux.com

KEY SKILLS

- Project management in an international environment
- Deploy and manage an organizational change
- Management of a department : coordinate the activities, cost control, performance evaluation
- Lean - Six Sigma and problem solving methods
- Methods of new product industrialization
- Optimization of existing products or process
- Investment casting and machining process
- Management of the suppliers performances (quality and supply-chain mainly)
- Conception requirements of aeronautical parts dedicated to a turbine and on line with the design to cost objectives
- Quality Assurance (QA), Quality Control (QC) and Quality Management System (QMS) in aeronautical industries
- Quality standards in aeronautic : NADCAP, EN 9100, AS 9100
- HSE international standards : OHSAS 18001, ISO 14001
- Leadership and communication skills at all levels
- High ability of adaptation in a new professional structure or new environment

WORKING EXPERIENCE

2008 – Present SNECMA XINYI AIRFOIL CASTINGS - SXAC (SAFRAN Group) – GUIYANG (CHINA)

Position : Engineering, Process and Quality-H.S.E Manager (Team of 27 persons)

- Missions :**
- In charge of the Engineering, Process and Quality-HSE department of SXAC : Joint venture between SNECMA and XINYI specialized in the process of lost wax casting of turbine airfoils (Ni and Co based alloys)
 - Industrialization of 8 products (NPI) : review of the specifications, coordinate the industrialization planning internally and with the customer, perform the trials of validation, organize the FAI package, implement the mass production conditions
 - Implement actions of product and process improvement on quality and cost aspects, extensive use of lean-six sigma methods and problem solving tools: process capability studies, Ishikawa, 5 whys, DMAIC, FMEA...
 - Pilot investments project and qualification of new equipments for the development of the activities of the company : high vacuum heat-treatment furnace, finishing line, NDT installation (X-ray, FPI, Macro-etching), budget around 2M\$
 - Manage the EN9001/ OHSAS18001 / ISO14001 certifications, built and update the Quality System of the company
 - Implement and manage the Quality Assurance (QA), Quality Control (QC) and Quality Management System (QMS)
 - In charge of the tooling activities of the company : design, manufacturing (subcontracted) and validation of the tooling
 - In charge of the delivery workshop : team of 11 inspectors, final inspection, delivery to the final customer
 - Perform supplier audits, manage the quality of all incoming materials
 - In charge of the H.S.E policy and its deployment into the company
 - Key actor in the production start and growth of this joint-venture. Has joined the project before the start of the manufacturing.

2006 – 2008 SNECMA (SAFRAN Group) – GENNEVILLIERS (FRANCE)

Position : Chief of Turbine Airfoils design department (Team of 18 persons)

- Missions :**
- In charge of a design department for mature aeronautic turbines airfoils (direct manager of 18 persons)
 - Scope of the department : Conception of new products (turbine blades and vanes), improvement of the current products, certification of the new designs, participate to the industrialisations of the news products with the suppliers, provide technical support in case of quality issues, answer manufacturing concessions, validation of the manufacturing process (FAI), analysis of the fleet events (accident or unusual damage) during exploitation of commercial and military aircrafts
 - Focal point of the turbine airfoils business unit of SNECMA for the purchase of intellectual services : development of the subcontracting activities for engineering departments, 2 M€ of intellectual services subcontracted in 2007
 - Participate actively in the development of a SAFRAN design office in Morocco : Make or buy analysis, transfer of the activities, training, performance review, 250k€ subcontracted in 2007
 - This department has been created when I took this position and after an important organizational change in SNECMA, a significant part of the job consisted also to define the new interfaces and processes of this department

2004 – 2006 SNECMA (SAFRAN Group) – VILLAROCHE (FRANCE)

Position : Design engineer (Low pressure turbine)

- Missions :**
- In charge of the conception of a new turbine vane for the commercial engine CFM56-7B Tech Insertion
 - Manage a multidisciplinary team for the part design, mechanical analysis and the industrialisation of the product
 - Conduct the detailed conception of the product by implementation of technical reviews (manufacturing, design, specification...) and with a full integration of the concept of "design to cost"
 - Project finalized on time and award received by the SAFRAN Group for the best innovative project of the year 2006
 - Six patents published
 - Active participation in technology intelligence analysis and strategy surveys for the company

EDUCATION

2000 – 2003 Arts et Métiers Paris-Tech, Paris, France
Master Degree of General and Mechanical Engineering.
Graduation in 2003 with high distinction (“Silver award”)

Major courses: Project Management, Mechanical design, Quality management, Manufacturing

1998 – 2000 Preparatory classes to prepare the competitive entrance for engineering colleges

1995 – 1998 Scientific Baccalaureate with distinction (special emphasis on Math and Physics)

LANGUAGES & COMPUTER SKILLS

Languages:

- French : Mother language

- English : Fluent

- Chinese : Intermediate level

- German & Russian : Rudimentary

Computer :

- Windows Environment and Office Pack

Simulation and DAO :

- MINITAB, CATIA, ABAQUS, PATRAN, I-DEAS, MATLAB, AUTOCAD, Visual Basic

INTEREST AND PERSONAL DEVELOPMENT

- Humanitarian :
 - Member of “engineers without borders” from 2000 to 2003, take part in several initiatives during this period : Design and manufacturing of low cost power supply facilities, donation collection in partnership with the Lions Club, creation of commentary garden with the city of Lille (France)
 - Part-time teacher for students in difficulties, employed by the city of Bagneux 92220 in 2002 and 2003
- Hobbies : Swimming/diving, Photography, travelling