

## RESUME

### Gaétan BOONAERT

550 rue de la croix  
59242 GENECH  
[gaetan.boonaert@ipsumengineering.fr](mailto:gaetan.boonaert@ipsumengineering.fr)  
+33 (0)6 73 61 78 06



## SKILLS

### AUTOMOTIVE

- Project lead « Model Year » product
- Application or product engineer:
  - Serial life studies
  - Design-to-cost
- Study or CAD leader:
  - Interior equipment
  - Project integration in factory

### FERROVIAIRE

- Study leader:
  - To integrate the electrical devices and to guide the wires
  - Electrical cabinet
  - Interior equipment
  - Boiler making
  - Assembly book

## TRAINING

1999 - BTS CRC, designing and building of car body

1997 - Bac STI 1, mechanical engineering with industrial automation option

## LANGUAGE

English, intermediate level

## SOFTWARE

CATIA V5 (Modules: Part Design, Generative Shape Design, EHI, Sheet Metal)

DMA, VPM

GBC, MFGPRO, SAP, Metaphase

ANPQP

Microsoft Office

## PROFESSIONAL BACKGROUNDS



**SMRC Harnes** (06/18 to 12/20)

**RENAULT X62 PHASE 2**

**STUDY LEADER ON DASHBOARD**

To design and to develop the parts produce by the suppliers

**SMRC Gondecourt** (10/17 to 05/18)

**RENAULT X62 HARMONIE NOIRE**

**PROJECT MANAGER ON DASHBOARD**

*Change material (grade and tint) to optimise the quality and to modernise the style*

To cost the product evolution

To manage the budget (1.5M€)

To build and to manage the validation plan following the BUV (customer specification)

To build the planning

To drive the meetings with the customer and the suppliers

To meet the needs of ANPQP (Quality management system and measurement tools)

To define and to manage the modifications to put the product into compliance with the customer specification

**SMRC Gondecourt** (03/15 to 09/17)

**SERIAL LIFE DESIGN OFFICE**

**APPLICATION ENGINEER**

To investigate and to cost the product modifications

To define and to manage the modifications

To administer the bill of material data

Design-to-cost

To participate to resolve the problems in cooperation with the quality department

To stay in contact with the customers

To build and to ensure the completion dates of the validation plan

**FAURECIA Méru** (08/14 to 02/15)

**PEUGEOT R8**

**PROJECT MANAGER ON DASHBOARD**

Feasibility studies

To animate the technical reviews with PSA (customer) and the professional experts

To lead a team located in India

### ( expleo )

**BOMBARDIER Bruges (09/13 to 07/14)**

**SBB TWINDEXX**

**MECHANICAL AND ELECTRICAL DESIGNER**

- To design and to realise the technical drawings of the roof linings in the restaurant vehicle
- To integrate and to guide the wires of the ceiling lights and of the loudspeakers

**ALSTOM Salzgitter (05/13 to 08/13)**

**CORADIA LINT**

**ELECTRICAL DESIGN MANAGER (TEAM OF 10 PEOPLE)**

- To manage the resources and to spread the studies according to the milestones
- To present the technical progress in customer meeting

**BOMBARDIER Crespin et Bruges (02/10 to 04/13)**

**REGIO2N VEHICULES 1 ET 2 NIVEAUX**

**ELECTRICAL DESIGN MANAGER (TEAM OF 8 PEOPLE)**

- To manage the resources and to spread the studies according to the milestones
- To present the technical progress in technical design review with the customer
- To report to the project manager the physical progress of the studies
- Shared experience (REX) of the 1 level vehicles with the electrical design team of the 2 levels vehicles
- To guide the wires and to integrate the electrical devices
- Assembly book

**ALSTOM Petite-Forêt (06/09 to 01/10)**

**MI09**

**MOUNTING BRACKET DESIGNER**

- To make the drawings and to check the implementation of the metal mounting brackets on the assembly line

**ALSTOM Petite-Forêt (03/09 to 05/09)**

**SHANGHAI LINE 2**

**INTERIOR FITTING DESIGNER**

- To correct the technical drawings made in low-cost

**ALSTOM Petite-Forêt (12/08 to 02/09)**

**SHANGAI LINE 10**

**ELECTRICAL INTEGRATION DESIGNER**

- To build the 3D and the technical drawings of the electrical cabinets in compartment

To integrate the electrical devices and to guide the wires in subframe, compartment and driver's cab

## PROFESSIONAL BACKGROUNDS (Next)



**SMRC Harnes** (04/07 to 11/08)

**PEUGEOT T8**

**GEOMETRICIAN ON DASHBOARD**

To calculate the chain of dimensions to determine the gap and flush with their tolerances  
To realise the technical drawings of the sub-assemblies with the help of a team of 9 people from TVEC (Indian company)

**SMRC Harnes** (07/05 to 03/07)

**PEUGEOT-CITROEN G9**

**STUDY LEADER ON DASHBORD FOR THE INTEGRATION PHASE INSIDE THE FACTORY**

To investigate the origins of the problems and to find the cheapest solutions to resolve them with help of the methods department and the suppliers

## ( expleo )

**SMRC Gondecourt** (11/04 à 06/05)

**RENAULT J84**

**APPLICATION ENGINEER ON CENTRAL CONSOLE**

To manage the redesign of the sliding rail of the mobile central console in order to reduce this cost (Design to cost)  
Project carried out in cooperation with ACCURIDE (English supplier of sliding rail)

**NOVARES Izernore** (04/04 to 10/04)

**CITROEN A58**

**PASSAGER SEAT TABLE DESIGNER**

To design all elements of the passage seat tablet

**SMRC Harnes** (02/03 to 03/04)

**RENAULT B85**

**TEAM LEADER ON RHD DASHBOARD**

To manage a team of 5 people located on the site of the customer and to outsource a part of the work to INFOSYS (Indian engineering company) to develop the right direction dashboard

## PROFESSIONAL BACKGROUNDS (Next)

**SMRC Harnes (09/02 to 01/03)**

**RENAULT J77**

**DATABASE MANAGER**

To check all incoming and outgoing digital definitions

To do to apply the RENAULT and SMRC specifications to the team members and to the suppliers

**SMRC Harnes and Gondecourt (07/01 to 08/02)**

**VOLVO TRUCK P26XX**

**INDUSTRIAL DESIGNER ON DASHBOARD FOR THE INTEGRATION PHASE INSIDE THE FACTORY**

To adjust the product to the serial production, to do it correspond with all data of the technical requirements books in terms of quality and safety

To manage and to estimate the costs of the tooling modifications

**SMRC Gondecourt (12/00 to 06/01)**

**MERCEDES ACTROS**

**GEOMETRICIAN ON DASHBOARD**

To calculate the chains of dimensions in order to create a sections book committing the supplier towards the customer

**FAURECIA Hénin-Beaumont (01/00 to 11/00)**

**PEUGEOT CITROEN FIAT LANCIA project V**

**INDUSTRIAL DESIGNER ON DASHBOARD**

To design on CATIA V4 software the dashboard elements

**ALSTOM Petite-Forêt (10/99 à 12/99)**

**M6**

**MECHANICAL DESIGNER**

To design and to realise the technical drawings of the partition wall between the cabin and the passenger compartment with Catia V4 (CAD software)

To help the designers on the table boards with a CAD tool (Catia V4 software) on different study areas (electrical cabinets, floor, passenger seats and handrails placement)

## OTHER

**42 years old, PACSE**

**Driving licence**

**Geographic mobility: North of France and Belgian Kingdom**