

PERSONAL INFORMATION

Dina Diga (Bantea)



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Nationality: Romanian

WORK EXPERIENCE

March 2022 - Onwards

**Product Compliance Engineer**

Kubota GmbH Germany, Rodgau.

- Liaising with the KBA on field test engines and research in relevant regulations and directives.
- Standardization and development of internal processes to meet legal (product compliance) requirements together with elaboration of presentations and training material.
- Establish an audit process to monitor and verify customer's compliance implementation and other policies together with conducting of audits of the customer's production line.

May 2018 – July 2020

**Business or sector:** Agricultural Machinery, Business Unit Engine Europe

**Lead Test Engineer**

Jaguar Land Rover United Kingdom, Gaydon.

- Experience of planning, setting up and monitoring mechanical tests such as strength, durability, environmental etc. according to ISO 17025 procedures to ensure compliance to standard and Laboratory Quality. Raise concerns and work with BIW suppliers.
- Understanding gateway timings and prototype availability to deliver quality tests on time. Responsible for the development, analysis and delivery of Body Trim exterior/interior Durability tests.
- Knowledge of electronic measurement and logging equipment such as load cells, accelerometers, LVDTs, PLC, amplifiers etc.
- Supporting the test projects, organizing and liaising Rig set-up; running in House and outsourcing Durability Key life tests.

November 2017 – May 2018

**Business or sector:** Automotive, Component and Subsystem Test Laboratories.

**Quality Lead**

Jaguar Land Rover United Kingdom, Gaydon.

- Provide Market service fix support and coordinate project management, respecting following all 8D and Six Sigma steps and delivered to Market in 70 days.
- Identify, define, analysis failure modes, possible root causes concern and develop replication tests with engineering teams.
- Monitor and reports resolution progress against Key project milestones. Establish the most appropriate manufacturing permanent corrective actions.
- Ensure delivery of service parts, comms. agreed with service department prior to delivery of solution to Market.
- Ensure lessons learnt and concern escape points identified and captured to prevent re-occurrence

March 2016 – Octobre 2017

**Business or sector:** Automotive, Body Engineering Quality.

**Planner Engineer for New Projects**

Renault Technologies Romania, Bucharest.

- Assist with project planning during initiation stages of the engine projects and setting work program and target milestones for each phase based on the project plan.
- Monitor, update and analyses schedule, progress s-curve, deliverables status, project indicators (KPI) and strategic planning.
- Maintain the current and baseline schedule, analyse the effect of proposed changes and maintain the baseline change control authorization process and prepare weekly and monthly project reports for the project.
- Training of new planning engineers

May 2015 – February 2016

**Business or sector:** Automotive, Powertrain.

**Quality Engineer**

Turbon Group Romania, Oltenita.

- Monitor performance by gathering relevant data and producing statistical reports and working with purchasing staff to establish quality requirements from external suppliers.
- Setup and maintain controls and documentation procedures.
- Implement and improve operational processes with 5S. Analyse quality indicators by the Pareto method. Reducing internal and external PPM.
- Responsible for a team of 14 quality inspectors.

June 2013 – August 2013

**Business or sector:** Remanufacturing, printer cartridges.

**Quality Engineer – Internship**

Intrarom Romania, Bucharest.

- Monitoring the management and control process using quality improvement techniques and systems.
- Presentation of results using methods of analysis such as Ishikawa, Pareto, 5 Why.
- Internship report preparation.

**Business or sector:** Electronics manufacturer. Quality Control.

**EDUCATION AND TRAINING**

October 2016 - Onwards

**PhD Thesis: Contributions on Problem Solving Process Optimization in the Automotive Industry applied on Door Panels subjected to Accelerated Life Tests using Six Sigma and 8D Approach.** PhD supervisor: Prof.dr.ing. Irina Severin.

University POLITEHNICA of Bucharest, Doctoral School of Industrial Engineering and Robotics

October 2014 - July 2016

**Master's degree in Engineering**

University POLITEHNICA of Bucharest, Faculty of Industrial Engineering and Robotics

Quality in Engineering and Business Management

October 2010 - July 2014

**Bachelor's degree in Engineering**

University POLITEHNICA of Bucharest, Faculty of Industrial Engineering and Robotics

Industrial Engineering, Engineering and Quality Management

**PERSONAL SKILLS**

Mother tongue

Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C2	C2	C1
Russian	C1	C1	C1	C1	C1

\*Common European Framework of Reference for Languages

- Communication skills**

  - An enthusiastic and dynamic quality engineer with experience gained in Automotive. Highly flexible and self-motivated.
  - Excellent management skills supported with a broad range of knowledge in development, quality management tools and analysis techniques. Always striving to exceed customer expectations, focus on continuous improvement whilst ensuring tasks and processes completed right first time.
  
- Organisational / managerial skills**

  - leadership (I was responsible for leading the cross-functional management activities).
  - Strategic Planning & Gantt Project
  - 6 Sigma & 8D Problem Solving
  - DFMEA & PFMEA, APQP, RFQ
  
- Job-related skills**

  - good command of quality control processes (currently responsible for quality audit)
  - Problem solving process flows
  - Quality Process Improvement
  - Conducting Durability and Environmental tests
  - Use of quality and data acquisition tools
  
- Computer skills**

  - good command of Microsoft Office suite
  - AutoCAD, SolidWorks, Ansys, Digibuck – Tce
  - PLC, CANalyser, MDA, INCA
  - Smartsheet and Primavera P6
  - Axure RP10 and Minitab Six Sigma
  
- Driving licence**

Category:

  - B
  - JLR Class 2

ADDITIONAL INFORMATION

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- Projects**

Be Antreprenor! European Social Fund from the Sectoral Operational Programme Human Capital 2014-2020, through the Financial Agreement with the title "Scholarships for entrepreneurial education among doctoral students and postdoctoral researchers, September 2019- September 2020.
  
- Certification**

  - Six Sigma Yellow Belt Certification - December 2017, JLR Product engineering
  - AIM2 Product Issue Management - February 2018, JLR Product engineering
  - AWS - Fundamentals of Warranty - February 2018, JLR Product engineering
  - HBM Catman software (data acquisition) and Quantum (hardware) certification – 2019, JLR
  - Six Sigma Green Belt Certification - January 2020, Udemy

PLC, Pneumatics and Climate chamber Test Laboratories trainings, 2019, JLR.
  
- Honours and awards**

  - Diploma of Excellence, Student Council, ISJ Ilfov- President. 2008
  - 1<sup>st</sup> Place: Romanian consumer, European consumer competition, ANPC, Onesti, 2008
  - 2<sup>nd</sup> Place: "Fair for launching the exercise companies FE SIMODA SRL" Timisoara 2008
  - Scientific session: Functions motion transmission kinematic chain auxiliary - mention award, 2013
  - Scientific session: Effective communication during the employment interview/selection, 2013.
  
- Presentations**

  - Establishment and description of the technological process of production and sales of "Filling tools axle" (Degree project), July 2014.
  - Studies and research on the design of a multifunctional wardrobe (Master Degree project) July 2016

Be Antreprenor! Business plan: Consultancy and technical assistance in optimizing metrological processes - mention award, September 2020.

- Publications**
- Dina Diga and Irina Severin., "Key Life Test Process Optimization Using Six-Sigma Approach", Journal of Innovation and Business Best Practice, Vol. 2021, Article ID 536861, DOI: 10.5171/2021.536861
  - Dina Diga and Irina Severin., " Bonnet cable defect analysis using Six Sigma DMAIC techniques", UPB Scientific Bulletin, Series D: Mechanical Engineering 43(2):203-214, ISSN 1454-2358, 2021.
- Conferences**
- Dina Diga and Irina Severin., "Sill Panel Corrosion in Automotive Industry", Springer, Cham, AHFE 2021, pp. 140–147, LNNS 274, 2021.[https://doi.org/10.1007/978-3-030-80462-6\\_18](https://doi.org/10.1007/978-3-030-80462-6_18)
  - Dina Diga, Irina Severin and Nicoleta Daniela Ignat., "Quality Study on Vehicle Heat Ventilation and Air Conditioning Failure" MDPI Sustainability, 13, 13441, ISSN 2071-1050, 2021. WOS:000735080600001
  - Dina Diga, Elena Lascu and Georgiana Chisiu., "Key Life Tests for Automotive Design Validation" Proceedings of the 36th International Business Information Management Association (IBIMA), ISBN: 978-0-9998551-5-7, 4-5 November 2020, Granada, Spain.
- References**
- References and letters of recommendation are available on request