Igor Smirnov

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Highly skilled professional with global quality management and operational excellence experience focusing on compliance with quality management system, business process and product improvements; improved supplier quality, business processes, product manufacturing capabilities, product performance and met customer needs and companies goals. An enthusiastic, self-starting & hardworking professional, experienced problem-solver, strategic, innovative and trustworthy person with ability to identify and manage of the key projects and quickly achieve company short-term and long-term goals.

TECHNICAL SKILLS & EXPERTISE

Core Competencies: Operational excellence, New Product Design and Development, Project/Program Management; Quality Management System, Supplier Quality and Development.
Applications: Training and extensive experience using Minitab, Matlab, Microsoft Office, 3D CAD and CAE Packages CATIA v4 and v5, NX and Nastran, SolidWorks; Pro-E, AutoCAD and Inventor
Languages: English & Russian

PROFESSIONAL EXPERIENCE

Global Aviation/Air T contractor of Delta Air Lines, Minneapolis, MN *June 2017 – Present*

- I am currently working at the Minneapolis – St. Paul International Airport and maintaining and improving the integrity of quality systems through equipment, processes and people, simultaneously meeting Delta Air Lines needs and expectations.

Northern Engraving, La Crosse, WI *June, 2015 – September 2016*

Program Launch Engineer, Quality Engineer

- Using Kaizen, Lean and Six Sigma tools implemented number of successful projects to reduce waste at the plants and improve Plant OEE and KPIs simultaneously improved the integrity of quality management systems and organizational intelligence. Evaluated and managed the key DMAIC and design for six sigma projects to meet customer requirements and expectations. Increased and sustained yield from 65% to 90% for West Salem Plant and 55 to 80% in Spring Grove. Solved number of manufacturing & quality issues, using data analysis tools and reduced process variations, defects, extra processing steps as result improved the continuous flow process, reduced the lead time and helped to achieve company financial goals. The plant and overall company sales exceed $137 million in 2015. The overall estimated plant savings in 2015 ~ $500,000 and ~$275,000 in 2016
- Secured and successfully launched New Products for Ford Motor Company, lead CAPA activities, lead Kaizen events and Lean Six Sigma Projects for Chrysler, Tesla and General Motors projects.
- Worked with customers and suppliers on the engineering changes and PPAP elements to ensure that the processes consistently manufacture parts with less variation.
- Facilitated the preventive maintenance improvement actions and equipment optimization to reduce program risks and failures;

Nissan North America, Canton, MS *October, 2013 – June 2014*

Quality Engineer, Supplier Quality Engineer (Contract)

- Worked with parts inspection & warranty teams to resolve parts quality/supplier & manufacturing issues for current car & truck production;
- Worked with warranty concerns and conducted several tests to re-create failures of components and provided feedback to suppliers to improve the quality of parts;
- Solved vehicle safety, miss shipment and downtime issues for the chassis suspension part; Closely worked with Tier 1 stamping supplier on part's quality issue using data analysis techniques; Using DFSS tools provided the input to the risk management plan and reliability related risks for new Nissan Titan HD and proposed the design change and new quality and manufacturing requirements for the supplier and assembly process at Nissan;

Avtovaz-Renault-Nissan, Togliatti, Russia *November, 2010 – October 2013*

Launch/Project Manager, Parts Quality Manager

- Successfully launched on-time new vehicle Nissan Almera in Russia, approved 220 new and modified upper body purchased parts for start of Start of Production (SOP) & approved PPAP;
- Managed ANPQP & capacity activity for the new Nissan Almera as well as the international cross functional teams involved in all areas within Nissan project-focused departments.

- Conducted number of Supplier Audits to meet TS 16949 Quality Management System Requirements – 15 local suppliers together with Nissan NML and NTCE. Conducted number of Kaizen events at Supplier Site to secure Nissan Almera launch.
- Traveled to Nissan Global Operational Center in Japan to attend prototype vehicle confirmation events to achieve supplier readiness for SOP and quality targets;

EPG Companies, Maple Grove, MN *May, 2005 – November, 2010*

New Product Development Engineer

- Developed & designed over 15 new & modified products using DFSS and DfR tools at EPG including data logger, meters, control panels, flow sensors. Designed 3D models of sum drainers, SurePumps™ & NW Disconnects utilizing 3D packages;
- Released number of installation drawings of guide rail disconnect system for end users as well as testing instructions, manuals & product guides;
- Provided input to the risk management plan to avoid, control and mitigate project risks;
- Developed and integrated engineering solutions to repetitive failures and other problems related capacity, cost and product quality;

AVTOVAZ, Togliatti, Russia *October, 2001 – December 2004*

Manager, Product Development, Lighting Systems

Participated in over 10 new product launches while managing & developing design of lighting systems for prospective Kalina, Priora, Nadezhda, 2110FL, Chevi-Niva, Samara and Oka-2 models.

- Managed complete vehicle development cycle of lighting systems from creative design through production launch
- Developed and Implemented new rapid prototyping process for DfM and DFS of lighting devices simultaneously improved product quality and reliability and safety, reduced time-to-market, and improved customer satisfaction;
- Improved the lighting application reliability and established quality and reliability requirements for suppliers

AVTOVAZ, Togliatti, Russia *June, 1995 – October, 2001*

Product Development and Reliability Engineer, Lighting Systems

- Designed over 20 lighting applications including LED technology & patents for new prospective cars in Russia, "LADA".
- Designed and released number of production design drawings on time to meet program milestone requirements
- Designed new lighting applications including optical systems using DFSS and DfR tools & conducted LAB verification and validation testing for lighting applications;
- Worked with life data and warranty issues to improve the product reliability, quality and requirements for suppliers;
- Worked with production departments & Tier 1 suppliers through pre-production phase until SOP.
- Together with R&D and experimental production department selected & tested new materials as well as improving existing designs of serial lighting systems to reduce cost & to improve quality

EDUCATION

Togliatti State University, Samara Oblast, Russia

Graduated, Master of Electro-Mechanical Engineering, Automotive Industry

University of Phoenix, Phoenix, AZ

Graduated, M.B.A. in Business Administration & Management

ADDITIONAL EDUCATION AND TRAINING

Lean Manufacturing and Lean Six Sigma Black Belt; TS16949, Control Plan and PFMEA; APQP; ANPQP; CATIA CAD and CAE (Dassault Systems); SolidWorks (Dassault Systems); Unigraphics/Siemens (NX), LED lighting Institute in Troy, NY (Rensselaer Polytechnic Institute);

PUBLICATIONS, RECOGNITIONS, & AWARDS

• Speaker in Professional Automotive Technical Conference,
Published several professional articles for newspapers and magazines

• Awarded monetary prizes for professional development of engineering, AUTOVAZ, 2001

• 6 patent recipients for products in the automotive industry (Russian Federation No. 2198343, 50284, 55763, 58429, 48208, and 55765)

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