Assist. Prof. Alper AYTATLI

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WORK EXPERIENCE

September 2025- Present **_Beykoz University – Asst. Professor Dr., İstanbul_**

Position: Full-Time Lecturer

- Lecturer in Introduction to AI Course
- Lecturer in Big Data and Applied Analytics Course
- Lecturer in Operation Research I Course

November 2023-Present **_Bahcesehir University (BAU) – Asst. Professor Dr., İstanbul_**

Position: Visiting Lecturer

- Lecturer in Artificial Intelligence in Business Course
- Lecturer in Data Analysis and Decision Making Course
- Lecturer in Virtual Reality Applications and Techniques Course

February 2022-September 2025 **_Simona Plastech San. ve Tic. A.Ş. – Factory Management, Düzce_**

Position: Plant Manager

- Organizing the factory and keeping it up to date when needed.
- To carry out all activities in accordance with OHS and environmental rules.
- To ensure that personnel comply with and check the working instructions and regulations to ensure that the working instructions created in all activities are up to date. Complete work instructions were completed by having method and time studies at missing points during the term of office.
- To create a customer-oriented structure and to ensure that the product is produced in the desired quality and efficiency according to customer criteria.
- In this context, scrap analysis and follow-up infrastructure was created to realize the production in the desired quality, and root cause analysis was made in scrap sources and improvement projects were applied.
- Prepare maintenance programs in accordance with the total production maintenance system and track their compliance with the program. Planned Maintenance was commissioned; predictive maintenance work was initiated.
- Keeping the factory constantly in high efficiency and efficiency. First of all, the OEE methodology was placed in the factory. Later, improvement projects were made with analysis. SMED analyzes, 5S studies, production data Minitap analysis decreased by 20% scrap rate in mold changes, an average increase of 10% in equipment efficiency was also achieved.
- To ensure that production in the enterprise is carried out according to the determined targets. To create and follow KPI targets for this.

- Reduce costs by making efficiency calculations in the business. For this, projects such as lowering energy costs and environmental solar panel were prepared. At the same time, around 5% improvement in raw material costs was made through studies that reduced the cost of product prescriptions. All machine cycle times were measured; capacity analyzes were made. Projects that reduce labor costs have been launched.
- Reporting to Management in some fields such as Operation, cost, shipping etc. Preparation of reports needed for Boards such as Monthly Board of Directors presentation, monthly shipping reports etc.
- Enabling all kinds of opportunities, especially training, for better, more efficient and more economical work in the enterprise on the basis of continuous improvement of staff. OEE, 5S trainings were provided for certain periods. “I have an idea” Suggestion System was put into operation.
- General expenses, annual investment budget, preparation and follow-up of the annual production budget.
- Prolonging of Digitalization studies such as SAP implementation and MES.

December 2020 – September 2021 ***ORKA Banyo San. ve Tic. A.Ş. – Factory Directorate, Düzce***

Position: Supply Chain Manager

- Prepared daily, weekly, monthly production plans over the SAP system; enabled an increase of 20% in the planned/actualized rates through planning improvements
- Managed daily production meetings; took charge in turnover meetings
- Planned over SAP the rework productions received from after sales services department
- Made production planning for dye house stock; computed the safety stocks and minimum stock levels at specific periods; enabled a stock gain of about 200.000 TRY through the stock level determination operations performed
- Managed the stock fields of semi-finished products, spare parts warehouse and raw material storages
- Prepared cutting plans
- Planned and followed-up the product and semi-finished product reproductions formed based on customer complaints
- Performed and followed-up the improvements in the relevant modules as SAP supply chain modules PP, SD, MM being in the first place
- Followed-up on a monthly basis the accuracy of product/semi-finished product costs via the SAP cost module
- Followed-up the raw material prices, and the procurement of new product raw materials/semi-finished products
- Performed supplier visits; improved the supplier portfolio; and enabled the raw material/spare part price optimization
- Managed all the relevant semi-finished product, raw material, spare part procurement processes
- Formed and improved the standard time infrastructure that will constitute the infrastructure of SAP system
- Developed and implemented the process improvement projects

June 2017 – November 2020 ***ASAŞ Aluminium San. ve Tic. A.Ş. – Change Management Directorate Process Development Department, Sakarya***

Position: Process Development Quality and Method Manager

- Enabled the guidance and inspection of 4 engineers affiliated to him
- Enabled the fulfillment of the requirements of ISO 9001:2015, ISO 14001:2015, ISO 18001 and VDA 6.3 system, and performed the required inspections Followed-up all the procedures, guides and implementations anticipated by the quality management system; planned and actualized their applicability on factory operations
- Evaluated the customer complaints and internal failure notifications; initiated and actualized root cause analysis, and corrective, preventive and systematic activities;

enabled the follow-up of effectiveness and efficiency; enabled 10% decrease in customer complaints through the 8D activities Formed A3 reporting systematic

- Monitored the operational quality performance
- Enabled the implementation and dissemination of lean manufacturing tools (VSM, TPM, Kaizen, OEE, SMED, 5S etc.). Enabled awareness raising in the factory through VSM trainings Enabled 40% saving in setup periods through OEE systematic especially at the mechanical operations department. Established Kaizen systematic; enabled an improvement of about 500.000 TRY through the Kaizens performed. Enabled 1 shift/month gain through the decrease in coil setup costs by the SMED operations on the flat products. Enabled a gain of about 230.000 TRY in stocks by the spare part warehouse stock level determination operations performed
- Performed 6 Sigma Black Belt Projects. Solved a customer's product quality issue by the 6 Sigma Black Belt Project performed. Thus, enabled 80.000 TRY/year gain in terms of customer satisfaction and rework costs
- Planned the improvement operations required within the factory in the direction of the company's objectives; determined the aspects of improvement of all the processes; and determined, managed and participated in the actions required for improving their efficiency. Provided a gain of about 2.5 million $ for the company through the improvement projects performed Actualized all the projects in accordance with the PMBOK rules
- Performed work load and capacity analyses on the basis of departments in case of demand from the departments, or in case of requirement by the projects Ensured a saving of 2 men.month in white collars, and 15 men.month in blue collars through the white collar and blue-collar capacity analyses
- Coordinated the factory work, time and method etudes. Used the etudes performed in improvement operation, and in SAP infrastructure
- Formed flow charts required for new machine procurements and process changes; formed layout for correct flow and settlement
- Determined the equipments and workforce required for the methods to be applied Planned the layout of recently established 3 different production lines
- Established the autonomous maintenance concept within the factory
- Supported and directed the formation of MES (SAP-MII) system design and OEE methodology and systematic; enabled the continuity of main data of business center, business plan (route), cycle times, standard times required for the system

June 2016 – June 2017 ***Teknorot Otomotiv Ürünleri San. Ve Tic. A.Ş – Material Management Directorate, Düzce***

<u>Position:</u> Logistics and Supply Chain Responsible

- Enabled the guidance and inspection of 95 blue collar personnel and 6 engineers affiliated to him
- Enabled the submission of procurement orders to suppliers, and ensured their timely procurement
- Examined the results of MRP, and took the required measures
- Controlled the timely shipment performance of the supplier
- Directed the suppliers regarding emergency cases
- Contacted the suppliers regarding the materials not delivered on time
- Controlled the invoices and dispatch notes of procured materials
- Made the required revisions regarding the inventory cards
- Managed the spot procurement process for giving order to alternative suppliers when required
- Ensured the supply of proper quality materials
- Followed-up the process performances; performed OTIF analysis
- Determined the references subject to supply problems, and requested the search of alternative suppliers
- Visited the suppliers
- Handled the logistics and material management in new product project processes
- Performed supplier performance evaluations

- Made arrangements regarding safety stock and lot sizes, and ensured 30% decrease in stocks through the arrangements made
- Ensured the storage of products and materials under the most suitable conditions, and in accordance with the company's strategies and rules; ensured 10% gain in storage area through the 5S operations and Kaizens performed
- Ensured the control and coordination of cleaning, environment, storage and safety conditions, and general work order at storage areas Ensured the performance of 5S systematic
- Ensured the planned and systematic management of recyclable packaging materials used for transportation, storage and protection in the company
- Contributed to operations for the development of ergonomic projects decreasing cost and increasing efficiency in the storage management system
- Controlled and coordinated the implementation of methods determined for inventory control and verification
- Ensured the planned and systematic performance of functioning between the manufacture and assembly units, and storages in the direction of company's rules and practices
- Ensured the performance of goods acceptance, shipment and return operations in a planned and systematic manner in the direction of company's rules and practices
- Performed 6 Sigma projects. Ensured about 60% decrease in scrap costs on CNC counters through the green belt 6 sigma project performed

August 2012 – June 2016 **ANLAS Anadolu Lastik San. ve Tic A.Ş.,** ***Supply Directorate, Düzce***

Position: Industrial Engineering Department Responsible

- Headed the time and work etudes; established company's time etude infrastructure; brought in measurement systematic
- Performed statistical analyses especially such as sales forecast by the use of statistical software such as Minitab and SPSS
- Ensured station design, layout design by the use of Simio and Arena Software at production areas
- Performed production, efficiency and capacity analyses by the use of Simio and Arena Software
- Established the infrastructure of annual sales budget, and stock planning and production budgets, and carried out the same for 3 years
- Performed workforce planning and analysis according to the changing capacity usages
- Actualized process improvement projects
- Performed project consultancy in Canias ERP installation process operations (production, production planning, cost accounting, sales and production budget, procurement); established the infrastructures of relevant department
- Formed and established the infrastructure of MAS automation system
- Planned the factory's layout; ensured improvement of 4 men.month by the inner tube layout project performed, and 3% improvement in the final scrap rate; ensured 20% capacity increase
- Evaluated the machine and personnel performances according to production performed
- Ensured the design and development of factory's equipments; ensured 10% decrease in tire scrap costs by the raw tire trolley project performed
- Determined the production equipment requirements
- Actualized various process improvement projects at production and other areas (supply chain, procurement, storage management etc.)
- Managed a team of 2 individuals for the current works

August 2011 – August 2012 **ANLAS Anadolu Lastik San. ve Tic A.Ş.,** ***Quality Assurance Directorate, Düzce***

Position: Quality Responsible

- Carried out the researches regarding the improvement and development of quality management system; in this context, represented the company at external audits
- Monitored and evaluated the performance of in-house quality management system; in this context, actualized the ISO 9001 and 14001, and OHSAS 18001 internal audits
- Carried out the tire indoor test process within the scope of product development
- Managed the processes regarding customer requests and complaints
- Played role in the preparation of quality documentations (forms, instructions, procedures, quality handbook)
- Determined the in-house flaws, and took prevention actions
- Performed process development and improvement operations; in this context, carried out 6 Sigma projects; provided the required trainings for the team in this direction; ensured the adaptation of lean manufacturing Kaizen systematic
- Monitored and reported the effectiveness of corrective and reformative activities; within this scope, performed FMEA and 8D analyses at required points
- Ensured the operation of all team members in accordance with quality systems and policies
- Organized trainings regarding in-house quality management systems and implementations
- Prepared and submitted to management the weekly, monthly and quarterly quality management reports

September 2010 – August. 2011 **ANLAS Anadolu Lastik San. ve Tic A.Ş.,** ***Supply Directorate, Istanbul***

Position: Procurement and Logistics Specialist

- Assisted the procurement manager in procurement and logistics operations
- Managed the procurement requests and quotes
- Ensured 100,000$ gain in raw materials as a result of raw material stock/procurement management, stock analyses, and use of idle stocks
- Planned the supply chain
- Managed the payment and invoice processes

June 2009 – September 2010 **ANLAS Anadolu Lastik San. ve Tic A.Ş.,** ***Production Planning Department, Düzce***

Position: Production Planning Specialist

- Planned and analyzed the sales orders on monthly and quarterly basis; prepared prospective sales forecasts
- Formed production plans according to sales orders and stocks
- Carried out Material Requirements Planning (MRP)
- Evaluated the machine and worker performances; performed planned/actualized production analyses
- Planned product stocks
- Planned product shipments

January 2007 – June 2008 ***General Directorate of Finansbank, Istanbul***

Position: Assistant Officer

- Involved in call center and credit card operations
- Involved in ATM safety
- Supported various Re-De projects

EDUCATIONAL BACKGROUND

September 2017 – June 2024 ***Sakarya University, Industrial Engineering, Doctorate, Sakarya (Fields of Specialization: Artificial Intelligence, Data Mining, and Machine Learning)***

September 2010 – June 2011 ***İTÜ, Industrial Engineering, Postgraduate, Istanbul***

February 2007 – July 2008 ***Istanbul Bilgi University, MBA, Istanbul***

September 2001 – February 2007 ***İTÜ, Graduate, Istanbul***

September 1997 – June 2000 ***Zonguldak Science High School, Zonguldak***

COMPUTER SKILLS

- Visual Studio, C ++
- AutoCAD
- LINDO
- MS Office (Word, Excel, PowerPoint, Access, FrontPage)
- MS Project
- Minitab
- MsSQL
- Canias ERP
- ERP Axapta 2.0
- IFS ERP
- SAP (especially PP, PPDS and MM and QM modules)
- PROMODEL
- Simio
- Arena
- MAS Automation Software
- ProMANAGE, ProVIEW
- NEBİM Winner
- MS Visio
- iGrafx
- vSRM Supplier Relationship Management System
- VisionPlus

FOREIGN LANGUAGES

- English (Fluent)
- German (Fluent)
- Spanish (Beginner)
- Portuguese (Beginner)

CERTIFICATES

- The Fundamentals of Programming by C# Courses / Visual Studio 2019, Udemy
- Advanced Excel Macro and VBA Training, Udemy
- Persuasion and Conflict Management, Kaynes Training and Certification
- VDA 6.3. Quality Management and Process Control in Automotive Industry, ASAŞ Alüminyum
- 5S Workplace Organization
- Kaizen Continuous Improvement, Sigma Center
- Poke Yoke, Sigma Center
- VSM Value Stream Mapping, Sigma Center

- Lean Manufacturing and Tools, Sigma Center
- 7 Fundamental Wastage, Sigma Center
- Traction System and Kanban, Sigma Center
- Training of Trainer, ASAŞ Alüminyum
- ISO 31000 Risk Management Traning, Teknorot
- IATF ISO 16949, Bureau Veritas
- Project Management Professional (PMP), PMI
- Altı Sigma Green Belt (License No: 21520), Sigma Center
- Canias ERP, IAS Business Academy
- C-Class Work Safety Specialist, Ministry of Labor and Social Security
- EFQM Perfection Model, Tuna Training and Certification
- ISO 14001 Environmental Management System Basic and Documentation Training, Tuna Training and Certification
- ISO 14001 Environmental Management System Internal Auditor, Tuna Training and Certification
- ISO 9001: 2015 Quality Management System Basic and Documentation Training, Tuna Training and Certification
- ISO 9001: 2015 Quality Management System Internal Auditor, Tuna Training and Certification
- Measurement System Analysis (MSA), Tuna Training and Certification
- Production Part Approval Process (PPAP) and Advanced Product Quality Planning (APQP), Tuna Training and Certification
- TS 18001 OHSAS Basic and Documentation Training, Tuna Training and Certification
- Communication Skills Training, Istanbul Bilgi University

PROJECTS-PUPLICATIONS

- Quality Function Deployment (QFD) to Achieve Customer Satisfaction: An Application, MBA Dissertation, Istanbul Bilgi University, 2008.

- Modeling of the System with Value Stream Mapping (VSM) Method from among Lean Manufacturing Techniques, Current Value and Future Value Mapping, 5S, TPM etc. Performance of Kaizen Practices, Paksan Müh.Mak.San.Tic.Ltd.Şti., March 2009.

- Feasibility Analysis of Factory Boiler to be Procured by the Use of Fuzzy Logic and Statistical Modeling, Anlas Anadolu Tire Factory, 2012.

- Re-Planning of Layout of Inner Tube Factory, and Enabling Productivity and Workforce Saving, Anlas Anadolu Tire Factory, 2014.

- Extrusion Production Line Process Improvement Project for Increasing the Daily Production Amount and Ensuring the End of Extrusion Line 2 Men.Day Saving, Anlas Anadolu Tire Factory, 2014-2015.

- Feasibility Study for Decreasing the Maintenance Costs with the Boiler to be Procured, and Decreasing the Energy Costs and Increasing the Product Quality by Providing More Effective Pressure to Tire Presses, Anlas Anadolu Tire Factory, 2015.

- Commissioning of Hand Terminal and Barcode System in Semi-Finished Product Storage and Production Flows, Teknorot Automotive, November 2016-November 2017.

- Transition to Lean Manufacturing in Factory's Plate Frame Production and Storage Departments, Project Team, Production Material Flows, Storage, Teknorot Automotive, January 2017 - December 2017.

- Classification of Machine Learning Based Product Quality in a Plant Producing Aluminum Flat Coil, Akademik Makale, Journal of Radiation Research and Applied Sciences Dergisi, Sakarya Üniversitesi, 2023. https://doi.org/10.1016/j.jrras.2023.100715

- Multiagent System Design of Aluminium Production Process and Generative AI Based Manpower Planning, 13th International Symposium on Intelligent Manufacturing and Service Systems (IMSS25), 2025, https://doi.org/10.5281/zenodo.17530744

PERSONAL INFORMATION

Date of Birth	June 16, 1983
Place of Birth	Turkey
Military Service	Completed (January 09, 2009)
Driving Licence	Class B
Interests	Computer Applications, Chess, Strategy Games, Fitness