

## **CAD & PLM SYSTEM ADMINISTRATION | PINAR BASKAN**

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PLM System Administrator with 4 years of experience leading system deployment and administration across R&D, production, and enterprise teams. Skilled in aligning PLM tools with organizational processes, managing system scalability, overseeing module selection and licensing, and delivering tailored user training. Focused on building integrated digital environments that support both engineering workflows and enterprise-wide data consistency.

### **Education**

Medipol University – MSc, Artificial Intelligence Engineering (100% English)(Feb 2025 – Feb 2027)

Medipol University – BSc, Industrial Engineering (100% English)(Oct 2018 – Sep 2024)

GPA: 2.62

### **Professional Experience**

TIRSAN Treyler A.Ş. — CAD & PLM System Administrator

Oct 2021 – Present | Arifiye, Sakarya, Turkey

- Administered Windchill PLM across R&D, production, and non-R&D departments, ensuring system scalability and data consistency.
- Conducted team-based needs analysis to determine required modules and license volumes.
- Led the deployment and configuration of key modules: Parts Classification (PartsLink), Navigate Contribute, Arbortext, and ModelSearch.
- Managed SAP–Windchill integration during the company's S/4HANA transition, aligning material master structures and code logic.
- Designed and streamlined ECR/ECN workflows; configured lifecycles and roles to accelerate approval and implementation cycles.
- Organized and delivered user training programs tailored to each department's PLM responsibilities and access level.
- Supported technical documentation management for both internal engineering data and customer-facing content.

Sep 2021 – Oct 2021 | Arifiye, Sakarya, Turkey

- Supported module testing and documentation activities during early-stage PLM development initiatives

### Tools & Technologies

- **Programming & Analytics:**  
Proficient in Excel, Power BI, and Python for data analysis, reporting, and automation. Hands-on experience with AI/ML tools and libraries including scikit-learn, TensorFlow, Keras, OpenAI APIs, and Jupyter Notebooks. Skilled in SQL for data querying and relational database design.
- **PLM Systems (PTC Windchill- CREO)**
  1. Experienced in Windchill PLM Administration including Lifecycle, Access Control, and Change Management (ECR/ECN).
  2. Expertise in Part Classification and Stock Code Structuring (WTPart, PartsLink).
  3. Strong background in CAD Data Management and Integration using Creo Parametric and ModelSearch.
  4. Knowledgeable in SAP S/4HANA – Windchill Integration (Material Master, Code Mapping).
  5. Experienced with Document & Technical Manual Management (PDMLink, Arbortext Editor).
  6. Proficient in Service & Manufacturing Data Enablement (PTC Navigate Contribute).
  7. Hands-on experience in Product Structure & BOM Configuration (Options & Variants, BOM Transformation).
  8. Involved in User Training, deployment planning, and license/module strategy. Cross-functional process design across Engineering, Quality, and Production teams.
- **Languages:**  
Turkish (Native), English (C1 – Professional Working Proficiency)

### Key Projects

- **Part Classification:** Built structured search logic and simplified stock code system.
- **Navigate Deployment:** Enabled 3D data access for non-engineering teams (production, quality).
- **Arbortext Implementation:** Produced customer-facing manuals and technical documentation.

- ECR/ECN Workflow Optimization
- SAP S/4HANA Transition Support: Mapped Windchill codes and materials with SAP logic.
- ModelSearch: Integration with Windchill and Creo to prevent duplicate CAD efforts via geometric search.

### Publications

- Digital PLM Transformation at a Leading Trailer Manufacturer (Graduate Thesis 2024)
- SWOT Analysis of PLM System Migration (Article 2024)
- PLM & CAD Systems Benchmarking Report (Report 2024)
- Stock Code Structuring: A Comparative Study of PLM Platforms (2025)

### References

Available upon request. Key collaborators listed below:

- Yasemin Uzçakar – R&D Coordinator
- Mehmet Akif Akbulut – PLM Consultant
- Zeynep Dilekçi – R&D Mechatronics Engineer
- Sümeyye Cevahir – PLM System Admin / Backend Engineer
- Mehmet Özdemir – PLM System Consultant
- Onur Nalbantoğlu – CAD PLM System Admin Manager
- Fatih Şimşek – CAD PLM System Team Lead
- Oğuz Özel – Data Scientist (Power BI) / Digital Transformation Specialist