DRÄXLMAIER

Stages & PFE Book

2025-2026

Success is a matter of character.
Are you ready?

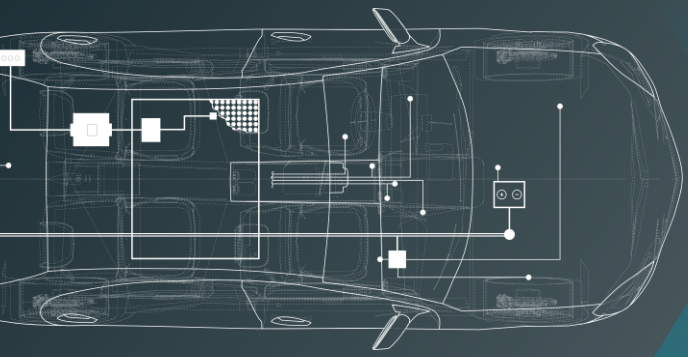


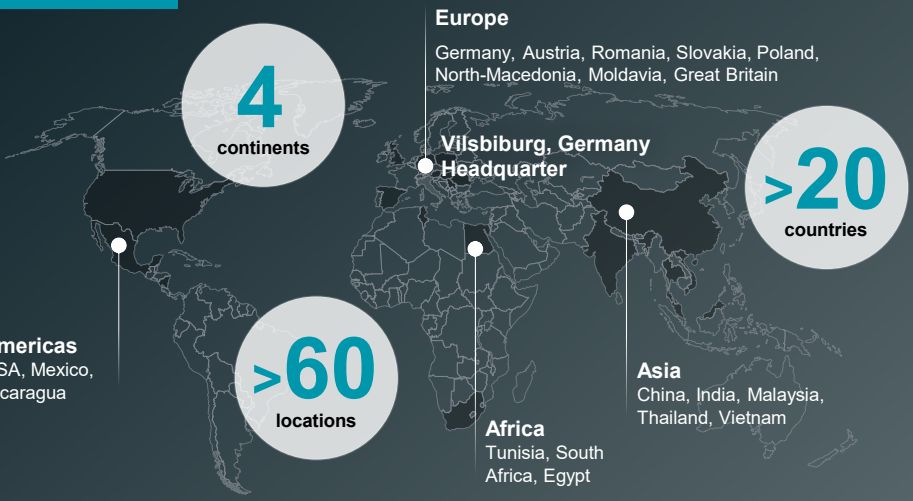
Table of contents

Who we are

DRÄXLMAIER

The DRÄXLMAIER Group supplies premium automobile manufacturers worldwide with complex wiring harness systems, central electrical and electronic components, exclusive interiors, and battery systems for electric mobility. The globally present company thereby covers the entire process chain: from the initial idea, through the development process, and up to precisely in-sequence delivery of the products to the assembly lines of automobile manufacturers. As a family business, DRÄXLMAIER also attaches particular importance to responsible and sustainable business practices for the benefit of people, the environment and society.

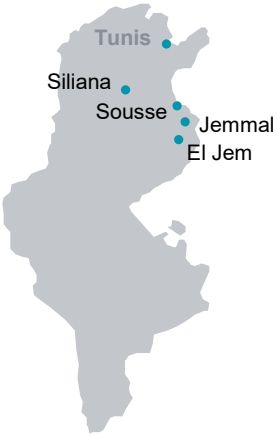
Global Presence



DRÄXLMAIER in Tunisia

An inspiring story of success and resilience, DRÄXLMAIER has transformed Tunisia's automotive industry for nearly half a century.

Starting in 1974 with its first site outside of Germany in Sousse, DRÄXLMAIER in Tunisia has flourished, expanding steadily with new sites and a growing presence.



~10.000
Employees

5
Locations

4
Excellence Centers

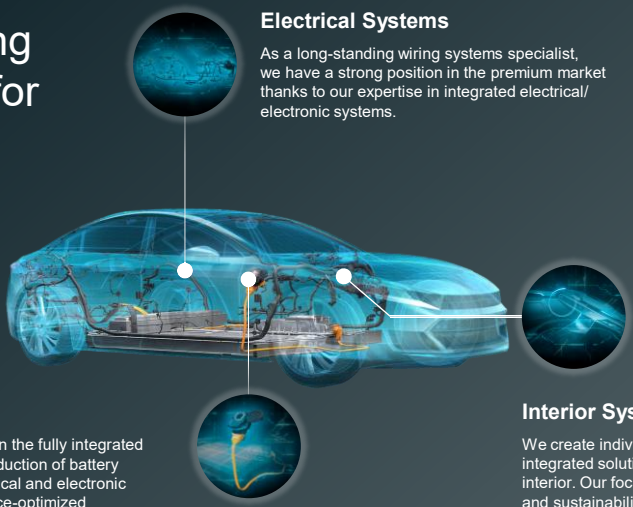
Who we are

DRÄXLMAIER

Outstanding solutions through synergy: We make a difference by combining the best of our worlds. For tailored solutions with a distinct character.

What we do

Outstanding Solutions for **Premium Vehicles**



Electrical Systems

As a long-standing wiring systems specialist, we have a strong position in the premium market thanks to our expertise in integrated electrical/ electronic systems.

E-Mobility Systems

We have system expertise in the fully integrated design, conception and production of battery systems as well as in electrical and electronic development for performance-optimized components.

Interior Systems

We create individual and function-integrated solutions for the vehicle interior. Our focus is on lightweighting and sustainability, from materials to manufacturing processes.

Test and Validation

Top performance and reliability

The validation center for high-voltage battery systems, built at the headquarters in Vilsbiburg, is an integral part of our technology center. On an area of around 3,000 m², state-of-the-art facilities and technologies are used for comprehensive testing and validation of high-voltage battery systems and their components.

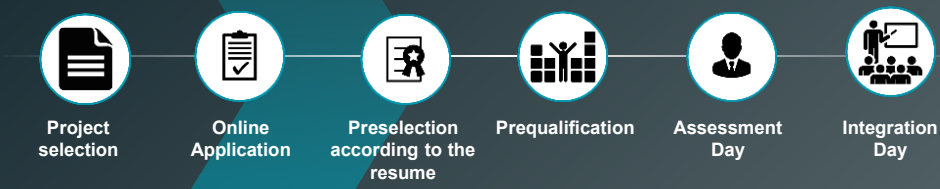
Your journey to us

DRÄXLMAIER

How to join us

We follow a selection process not only ensures a smooth and transparent selection but also gives you the chance to work on real challenges, gain hands-on experience, and grow within a professional environment.

Our selection process



1. Kickstart your PFE experience **by selecting a project** that matches your interests and career goals.
2. Easily **apply through the shared online link** and
3. Let your resume highlight your potential during the **preselection phase**.
4. If shortlisted, you'll go through a **prequalification screening.**
5. You'll then take part in an exciting **Assessment Day** where you can showcase your skills and motivation.
6. Successful candidates will be welcomed on **Integration Day** to officially begin their internship.

DRÄXLMAIER

Project 01

AI-Powered Material Demand Forecasting

Department: Continous Improvment & Process

Description:

Develop an AI model to predict material demand with high accuracy, reducing the incidence of stockouts and overstocking in warehouses.

Tasks:

- Research and select appropriate AI algorithms for demand forecasting.
- Collect and preprocess historical demand data.
- Train and evaluate the AI model on the dataset.
- Implement the solution and test it in a simulated warehouse environment.
- Collaborate with stakeholders to refine forecasting processes based on outcomes.

Profile:

Master/Engineering degree technical field with AI Background added with a strong interest in supply chain management.

Required Skills:

Proficiency in Python or R for data analysis. - Experience with machine learning libraries (e.g., TensorFlow, scikit-learn) - Understanding of supply chain concepts and inventory management.

Number of Interns:

2 Interns

Duration:

4 months

Project 02

Predictive Kanban System

Department: Continuous Improvement & Process

Description:

Develop an AI model to predict material demand with high accuracy, reducing the incidence of stockouts and overstocking in warehouses.

Tasks:

- Analyze current Kanban processes and identify improvement areas.
- Develop AI algorithms to forecast material usage based on historical data.
- Implement the predictive system with real-time data integration.
- Conduct testing to evaluate effectiveness and refine the model.
- Present findings and recommendations to optimize the Kanban process further.

Profile:

Operations Management or Industrial/Technical Engineering Student with an interest in lean methodologies and a strong AI bakcground

Required Skills:

Knowledge of Kanban principles and material flow systems. Programming skills in a language suited for AI development. Familiarity with data analysis and visualization tools. Good communication and presentation skills.

Number of Interns:

1 Intern

Duration:

4 months

DRÄXLMAIER

Project 03

Cable Cutting Area Catalog Improvement Using AI

Department: Continuous Improvement & Process

Description:

Transform the Cable Cutting Area catalog intoa dynamic, AI-based tool that adapts basedon production demands and operational data,optimizing material combinations in real-time.

Tasks:

- Evaluate the current KS catalog structure and data inputs.
- Design and implement an AI model to analyze production and performance metrics.
- Develop algorithms for automatic updates and error detection in catalog entries.
- Test the system to forecast needs and evaluate time-saving benefits.
- Create documentation and training materials for users.

Profile:

Master/Engineering field with AI Background

Required Skills:

Understanding of AI modeling and predictive analytics, Experience in database management and catalog systems, Strong analytical and problem-solving abilities, Good communication and presentation skills.

Number of Interns:

1 Intern

Duration:

4 months

DRÄXLMAIER

Project 04

Reducing Scrap in Crimping Process Using DMAIC

Department: Continuous Improvement & Process

Description:

This project focuses on reducing scrapgenerated during the crimping process in amanufacturing environment. The intern willapply the DMAIC methodology from SixSigma to study the current situation, identifyroot causes of scrap, and implement effectivesolutions.

Tasks:

- Understand the crimping process and define the problem.
- Collect data on scrap rates and process parameters.
- Establish baseline performance.
- Identify root causes using tools like Pareto charts, fishbone diagrams, etc.
- Validate findings with data.
- Propose and test solutions to reduce scrap.
- Collaborate with production teams for implementation.
- Develop control plans to sustain improvements.

Profile:

Industrial / Mechanical Engineering

Required Skills:

Six Sigma, Knowledge of Manufacturing Processes, Technical Reporting

Number of Interns:

1 Intern

Duration:

4 months

DRÄXLMAIER

Project 05

Makigami Workshop for Process Improvement

Department: Continuous Improvement & Process

Description:

Organize and conduct
a Makigami workshopto visualize and analyze administrative orinformation-based processes.
Identifyinefficiencies and implement improvements.

Tasks:

- Select a process suitable for Makigamianalysis
- Facilitate the Makigami workshop
- Map the current process flow
- Identify waste and improvementopportunities
- Develop and implement action plans
- Document and present results

Profile:

Industrial Engineering / Business Administration

Required Skills:

Lean Manufacturing & Continuous Improvement, Process Mapping & Analysis, Facilitation & Communication, Problem-Solving & Critical Thinking Project Management Basics, Data Collection & Interpretation

Number of Interns:

1 Intern

Duration:

4 months

DRÄXLMAIER

Project 06

Design of a Smart Terminal Warehouse with FIFOand Inventory Control

Department: Continuous Improvement & Process

Description:

This project aims to design a smartwarehouse with FIFO flow, accurate inventorytracking, and real-time alerts using CAD andembedded tech.

Tasks:

- Analyze current warehouse operationsand logistics flow.
- Design the warehouse respecting FIFO.
- Use CAD tools (AutoCAD, SolidWorks,Catia) to create 2D/3D models.
- Integrate embedded systems for inventorytracking and alerting.
- Calculate optimal storage quantities.
- Implement real-time inventory control.
- Design alert mechanisms for low/highstock levels.
- Prepare technical documentation anddesign rationale.

Profile:

Industrial/Mechanics/Mechatronics/ Electromecanics Engineering

Required Skills:

CAD Design (AutoCAD,SolidWorks) • Embedded Systems & IoT Basics

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 07

Implementation of an Energy Management System

Department: Security, Safety and Services

Description:

This project aims to establish an Energy management system in compliance with ISO 50001 standard for METS-Plant. The work includes conducting an initial audit, developing Energy Policy and procedures, implementing Energy Efficiency measures, and training and raising awareness among employees.

Tasks:

- Conduct an energy assessment to identify inefficiencies and set performance goals.
- Establish an Energy Management System (EnMS) with clear roles, procedures, andmonitoring tools.
- Train staff on ISO 50001 to build awareness and drive energy efficiency.
- Perform internal audits to ensure compliance and readiness for certification.

Profile:

Energy Engineering Degree Master degree in energy management, or a related field

Required Skills:

English Language, ISO 50001 standards, Project Management

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 08

Prevention of Ergonomic Risks in the production plant

Department: Security, Safety and Services

Description:

This project aims to identify and reduce ergonomic risks in the production plant to improve working conditions and decrease the incidence of musculoskeletal disorders (MSDs). The work includes an ergonomic assessment of workstations, the proposal of suitable solutions, and the implementation of training and awareness programs for employees.

Tasks:

- Conduct observations and evaluations of workstations.
- Use ergonomic analysis tools (such as RULA, REBA, etc.) to assess risks.
- Design suitable ergonomic solutions (adjustment of workstations, ergonomic, equipment...
- Collaborate with the different teams to implement the improvements.
- Develop training modules on ergonomic best practices.
- Organize awareness sessions for employees and managers.

Profile:

Master degree in ergonomics, occupational health and safety, industrial engineering, or a related field.

Required Skills:

English Language, MS Office, Knowledge of ergonomic principles and analysis tools. Skills in workstation design and process improvement.

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 09

Digitalization of the infirmary management operations

Department: Security, Safety and Services

Description:

The project focuses on integrating digital technologies to improve the actual process of the infirmary management operations. This internship aims to analyze current situation, identify areas for improvement through digital solutions (power apps application and Power Bi Dashboard) and implement new systems to streamline facility operations.

Tasks:

- Assessment of the actual infirmary management operations: Analyze current processes, focusing on inefficiencies.
- Research Digital Solutions: Identify suitable tools like CMMS, BIM, IoT, and mobile apps.
- Pilot Implementation: Assist in launching digital tools, ensuring system compatibility.
- Staff Training: Support training staff to use new solutions, including creating materials.
- Monitor and Report: Track tool performance and compare with previous methods.

Profile:

Computer Science Engineering Degree or related field

Required Skills:

English Language, Project management in a digital transformation environment, Facility Management digital tools, Data Analysis, Performance Monitoring, Training and change management

Number of Interns:

2 Interns

Duration:

4 months

DRÄXLMAIER

Project 10

Digitalization of the machines inspection process

Department: Security, Safety and Services

Description:

The project focuses on integrating digital technologies to improve the process of the machines inspection process. This internship aims to analyze current situation, identify areas for improvement through digital solutions (power apps application and Power Bi Dashboard) and implement new systems to streamline actual machine audit.

Tasks:

- Assessment of the actual machine Audit process: Analyze current processes, focusing on inefficiencies.
- Research Digital Solutions: Identify suitable tools like CMMS, BIM, IoT, and mobile apps.
- Pilot Implementation: Assist in launching digital tools, ensuring system compatibility.
- Staff Training: Support training staff to use new solutions, including creating materials.
- Monitor and Report: Track tool performance and compare with previous methods.

Profile:

Computer Science Engineering Degree or related field

Required Skills:

English Language, Project management in a digital transformation environment, Facility Management digital tools, Data Analysis, Performance Monitoring, Training and change management

Number of Interns:

2 Interns

Duration:

4 months

DRÄXLMAIER

Project 11

Prevention of Ergonomic Risks

Department: Security, Safety and Services

Description:

This project aims to identify and reduce ergonomic risks in the production plant to improve working conditions and decrease the incidence of musculoskeletal disorders (MSDs). The work includes an ergonomic assessment of workstations, the proposal of suitable solutions, and the implementation of training and awareness programs for employees.

Tasks:

- Conduct observations and evaluations of workstations.
- Use ergonomic analysis tools (such as RULA, REBA, etc.) to assess risks.
- Design suitable ergonomic solutions (adjustment of workstations, ergonomicequipment, etc.).
- Collaborate with the different teams to implement the improvements.
- Develop training modules on ergonomic best practices.
- Organize awareness sessions for employees and managers.

Profile:

Master degree in ergonomics, occupational health and safety, industrial engineering, or a related field.

Required Skills:

English Language, MS Office, Knowledge of ergonomic principles and analysis tools. Skills in workstation design and process improvement.

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 12

Reduce change management cost

Department: Operations Engineering

Description:

The purpose of this project is to reduce the change management cost based on the DMAIC approach

Tasks:

- Understand the current situation and process
- Provide a unified view of all change management activities for better tracking and issue identification.
- Provide solutions to reduce cost

Profile:

Industrial Engineer

Required Skills:

English, MS office, Lean tools

Number of Interns:

2 Interns

Duration:

6 months

DRÄXLMAIER

Project 13

Time and motion studies for process optimization

Department: Operations Engineering

Description:

Analyzing and optimizing work processes onorder to increase efficiency and productivityusing the REFA methodology

Tasks:

- Understand the current situation and process
- Time studies
- Analysis of the observed work steps
- Evaluation and optimization

Profile:

Industrial Engineer

Required Skills:

English, MS office, Lean tools, VSM

Number of Interns:

2 Interns

Duration:

6 months

DRÄXLMAIER

Project 14

Smart Routing System for Tugger Train Operations

Department: Logistic

Description:

This project introduces a real-time signaling system to streamline internal logistics by guiding tugger train drivers to locations where goods are ready for transport. By eliminating unnecessary circulation and improving route targeting, the system boosts efficiency, reduces wasted time, and enhances overall material flow within the plant.

Tasks:

- Analyze the current tugger train routes and warehouse zones
- Identify the requirements for the signaling system (type, location, technology)
- Conduct a feasibility study and select appropriate solutions (screens, lights, sensors, etc.)
- Develop or acquire the signaling system
- Install and test the system in a pilot area
- Train drivers and warehouse staff on the new system

Profile:

Engineer (Logistics, Industrial, Electro-mechanical ...etc)

Required Skills:

Power BI, Tableau, Power Apps, Excel VBA, Ability to design user-friendly dashboards, Logical thinking for system design

Number of Interns:

1 Intern

Duration:

4 months

DRÄXLMAIER

Project 15

Occupancy Rate Tracking for Warehouse Operations

Department: Logistic

Description:

This project develops a digital application to provide real-time visibility of occupancy rates in raw material and semi-finished goods warehouses. It offers employees a clear view of available space and current loading status, enhancing space management, reducing congestion, and supporting smarter decisions during warehouse operations.

Tasks:

- Analyze current warehouse layout and storage capacity
- Define key indicators for occupancy rate (e.g., % of space used, number of pallets)
- Design the user interface of the application (dashboard, alerts, etc.)
- Develop or integrate data input methods to track occupancy
- Build the application and connect it to real-time data sources
- Test the application in a pilot area and gather feedback
- Train warehouse staff on how to use the tool

Profile:

Industrial Engineer

Required Skills:

Power BI, Tableau, Basic programming or Power Apps, Excel VBA, Ability to design user-friendly dashboards, Logical thinking for system design

Number of Interns:

1 Intern

Duration:

4 months

Project 16

Optimization of Warehouse Operations and Documentation

Department: Logistic

Description:

This initiative focuses on structuring and standardizing operations in the Leergut warehouse, which stores returnable packaging materials like containers and pallets. The project aims to improve material flow, handling methods, processes, work instructions, and documentation—creating a streamlined, traceable, and efficient working environment.

Tasks:

- Analyze current operations and identify gaps or inefficiencies
- Map the flow of materials within the Leegut warehouse
- Define standard operating procedures for key activities
- Create clear work instructions for employees
- Organize and digitize warehouse documentation and files
- Train warehouse staff on new processes and documentation
- Monitor implementation and adjust based on feedback

Profile:

Engineering degree in Logistics, industrial

Required Skills:

Workflow analysis and process improvement

Number of Interns:

1 Intern

Duration:

4 months

DRÄXLMAIER

Project 17

Optimize the production escalation process through an integrated digital solution.

Department: Continuous Improvement & Process

Description:

This project focuses on creating an integrated digital solution to optimize the escalation process for corrective and preventive actions. It enhances communication across departments, ensures full traceability of interventions, and enables rigorous progress monitoring until resolution—streamlining workflows and boosting operational accountability.

Tasks:

- Project analysis and scoping
- Solution design
- Development
- Testing and validation
- Deployment and documentation

Profile:

Engineering degree in Logistics, industrial

Required Skills:

Power Apps, Studio, Power Fx, data sources Connection, Power Automate

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 18

Improving the efficiency of a family through an improvement process using the VSM tool

Department: Continuous Improvement & Process

Description:

This project aims to improve the efficiency of afamily of products or processes by applying astructured continuous improvement approach,based on the Value Stream Mapping (VSM)tool. VSM allows the entire value stream to bevisualized, waste to be identified andoptimization opportunities to be targeted.

Tasks:

- Map the current value stream of the target family.
- Identify non-value-added (NVA) activities and sources of waste.
- Define an optimized future state of the flow.
- Implement improvement actions to reduce time, costs, and waste.

Profile:

Industrial Engineering -Master EHS

Required Skills:

Lean, Quality, Continuous improvement

Number of Interns:

3 Interns

Duration:

4 months

DRÄXLMAIER

Project 19

Work scheduling for pre-assembly area application

Department: Continuous Improvement & Process

Description:

Power Apps application development is usedto organize the pace of production in thepreparation area through a harmonizedsequence to boost production and improvethe availability of machines and tools.

Tasks:

- Design UI – Layout, screens, navigation.
- Set Roles & Permissions – Define access levels.
- Connect Data & Build Screens – Forms, galleries, controls.
- Manage Environment & Security – Use Power Platform Admin Center.
- Deploy & Apply Access Rules – Conditional visibility, role-based access.
- Monitor & Automate – Analytics and Power Automate workflows.

Profile:

Information Technology or Electrical Engineer

Required Skills:

Cloud Computing/ Hardware & Software Troubleshooting and Scripting & Automation

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 20

Andon system implementation Cutting and Crimping areas

Department: Continuous Improvement & Process

Description:

Implementation of the Andon system as a key component of continuous improvement in order to designed a visually alert and communicate issues in real-time to ensure quick response and minimal disruption.

Tasks:

- Improves response time to issues.
- Reduces downtime and waste.
- Empowers operators to take action.
- Enhances communication between teams.
- Supports continuous improvement by tracking recurring problems.

Profile:

Information Technology or Electrical Engineer

Required Skills:

Basic Electrical & Hardware Knowledge , Familiarity with PLCs or Arduino, Raspberry Pi, Data Analysis & Reporting, Power BI, Excel, or custom web interfaces)

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 21

Driving Technical Change Across the Production Line

Department: Technical Change management

Description:

This project aims to develop a centralized PowerApps application that facilitates the planning, tracking, and validation of all tasks related to technical changes on the shopfloor. This digital solution will serve as a collaborative platform for all departments involved in change implementation, ensuring transparency, accountability, and timely execution.

Tasks:

- Task grouping by department and project
- Build PowerApps interface with task assignment and filtering features
- Track task completion rates and validation compliance
- Collect feedback from users on usability and functionality
- Refine app based on feedback (e.g., add filters, improve notification logic)
- Document processes and train users

Profile:

Master's degree / Engineering Degree

Required Skills:

Power Apps

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 22

AI powered vision defect detection system in foaming process.

Department: Continuous Improvement & Process

Description:

Develop an AI powered vision system to inspect the foaming process in real time. The system will detect defects (air bubbles ,uneven distribution, overflow), alert operators instantly, and provide defect analytics to support zero-defect quality and continuous improvement.

Tasks:

- Identify foam defects and quality metrics
- Train model for defect detection and classification.
- Enable real-time feedback for automatic corrections.
- Monitor trends via dashboards to visualize defect rates and KPIs.
- Set alerts for anomalies and deviations.

Profile:

Engineering Degree

Required Skills:

Lean Tools , Data analysis , power Apps , power BI , python

Number of Interns:

2 Interns

Duration:

6 months

DRÄXLMAIER

Project 23

Digital tracking for risk assessment and change management

Department: Project Series Life Management

Description:

Design and development of a digital application to track change management and the risk assessment data for each technical changes, Taking into account internal and external interfaces.

The output of this application must be linked to the power apps in order to have a dashboard.

Tasks:

- Define requirements with stakeholders
- Configure database connections for centralized data storage
- Collect feedback from users regarding usability, accuracy, and reliability
- Standardize the new process across departments

Profile:

master's degree / Engineering Degree

Required Skills:

Power Apps

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 24

Smart Server Room Supervision

Department: IT Operations On-Site

Description:

This project implements a Visual Management system powered by AI and IoT to automate, monitor, and optimize server room infrastructure. It ensures real-time control of temperature, humidity, energy efficiency, and security. The system reduces manual intervention and operational risks by sending automated alerts and notifications to the IT team when anomalies are detected.

Tasks:

- Clearly understand the project goals and identify the needs.
- Develop data collection methods that are relevant
- Use tools like diagrams to conduct the analysis.
- Architecture design (choose the architecture, select the technologies).
- Develop system
- Implement the solution and test
- Control and analyze the data

Profile:

Bachelor's degree

Required Skills:

Power Apps, Python, JDK..

Number of Interns:

1 Intern

Duration:

4 months

DRÄXLMAIER

Project 25

Optimization of BMW Material Production Flow

Department: Production

Description:

This project aims to create a Mechanicalhandling system in order to ensure a one-piece-flow between the different worksteps(line, foaming, electrical test, checkand pack)

Tasks:

- Define scope, map current state, collect data, find waste.
- Design future state, suggest solutions, estimate cost, implement.
- Measure results, compare before vs after.
- Adjust, and ensure continuous improvement.

Profile:

Engineering Degree/ master's degree

Required Skills:

Analytical thinking, Mechanical knowledge, Automatism Basics,Value Stream Mapping (VSM),Lean Manufacturing & Six Sigma

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 26

Optimizing the Production Flow in video Area

Department: Production

Description:

This project aims to create a Semi-Automatic system in order to ensure a one-piece-flow between the different worksteps(electrical test, Different stations inVideo Area, Export zone)

Tasks:

- Define scope, map current flow, collect data, identify waste.
- Design future flow, propose semi-automatic solutions, estimate cost, implement.
- Measure results, compare current vs future state.
- Adjust solutions, set up continuous improvement and maintenance.

Profile:

master's degree/Engineering Degree

Required Skills:

Analytical thinking, Mechanical knowledge, Automatism Basics,Value Stream Mapping (VSM),Lean Manufacturing

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 27

Digital production planning

Department: Production

Description:

Development of a smart digital application to automatically manage work orders for operators in the Module Assembly area.

The goal is to optimize production operations by reducing manual input (and associated errors) and improving real-time data access to support faster, more informed decision-making.

Tasks:

- Analyze production needs and define a first digital solution
- Develop and integrate the application with automated work order and data functions
- Test the application, validate performance, and gather user feedback
- Refine, deploy, train users, and ensure continuous improvement

Profile:

Master's degree/Engineering Degree

Required Skills:

Analytical thinking, Mechanical knowledge, Automatism Basics, Technical Skills

Number of Interns:

1 Intern

Duration:

6 months

Project 28

Digital project monitoring planning

Department: Operation Management

Description:

Creation and development of an application using power apps to manage the projects.

The application provides the status and relevant information linked to the project. This solution enhancing the manual sharing, reducing time spent on creation of workload, project status.

Tasks:

- Clearly understand the project goals, scope, and deliverables.
- Familiarize with the plant departments, carlines and customers
- Creation of Application databases.
- Design of Application interface.
- Development of the project application.
- Perform simulations to test application's functionality

Profile:

Bachelor´s degree in computer

Required Skills:

Office365 (Microsoft Power Apps, BI, Autamate..), Python, OpenJDK

Number of Interns:

1 Intern

Duration:

4 months

DRÄXLMAIER

Project 29

Digital Early Warning System for Finished Goodsand Empties EWS

Department: Logistic

Description:

To streamline the transition of finished goods from the production area to the export area, we propose a refined process that integrates automation and real-time monitoring.

The key objectives are to improve operational efficiency, reduce manual tracking, and ensure timely replenishment of empties.

Tasks:

- Analyze current flow of finished goods of BMW Project from production to export area and identify bottlenecks and risks in pallet handling and empties replenishment.
- Design and implement a digital alert system and train warehouse and production teams on the new process and tools.
- Monitor system performance to improve dashboard usability and data integration. and Evaluate impact on production continuity and logistics motions.
- Standardize the process and document workflows.
- Scale the system to other areas or product flows if successful.

Profile:

Bachelor´s degree

Required Skills:

Excel and or Power BI

Number of Interns:

1 Intern

Duration:

3 months

DRÄXLMAIER

Project 30

Digital Mini-Kanban System

Department: Logistic

Description:

This project introduces a digital Mini-Kanban system to replace manual cards, enhancing material flow and task tracking. Tailored to specific workstations or processes, it improves operational efficiency and visibility. By enabling smart, real-time material management, the system supports lean practices and aligns with Industry 4.0 objectives.

Tasks:

- Deploy a smart, real-time Kanban system tailored for critical cable enabling precise inventory control and reducing material shortages.
- Enhance the scheduling and routing of tugger trains while refining buffer stock strategies to ensure timely material delivery and minimize excess inventory.
- Introduce automation technologies such as AGVs (Automated Guided Vehicles), conveyors, or robotic arms to reduce manual handling, improve safety, and boost productivity.
- Develop and integrate digital dashboards to enable live tracking of material flows, improve communication between teams, and support proactive decision-making.

Profile:

Master's degree

Required Skills:

Excel,Power BI, VBA

Number of Interns:

2 Interns

Duration:

6 months

Project 31

Automotive Wiring AI-Driven Inspection

Department: Maintenance

Description:

This project focuses on using AI-powered cameras to inspect automotive wiring systems.

The intelligent camera automatically detects wiring errors such as incorrect connections or dimensions, ensuring inspection accuracy and reducing manual efforts. It enhances quality control and enables quick decision-making.

Tasks:

- Have depth knowledge of quality process and product control and about customer requirements
- Check the quality procedures, documentations and defects history
- Identify resources, timeline, and risks.
- Deploy embedded systems and smart cameras for real-time monitoring.
- Exploit automatization ,robotics and human-machine collaboration as a way to streamline inspection.
- Verification of operation and effectiveness of tests
- Take action in case of bugs or malfunctions

Profile:

Engineering Degree

Required Skills:

IA, IT, mechatronic

Number of Interns:

2 Interns

Duration:

6 months

DRÄXLMAIER

Project 32

Real-time control System for Electrical test Station

Department: Maintenance

Description:

This project aims to develop a dashboard for real-time data visualization in order to optimize the performance of electrical test station.

Tasks:

- Understand the process of electrical test station and the project scope.
- Analyze existing data to identify key parameters and variables for real-time monitoring.
- Design and develop a dashboard for real-time data visualization.
- Simulate the system within the production line to assess functionality
- Verify the accuracy and reliability of real-time measurements.
- Gather feedback from operators and quality teams after a three-week evaluation period.
- Refine and optimize the solution based on the collected feedback.

Profile:

Master's Degree

Required Skills:

Office365 (Microsoft Power Apps, BI, Autamate..), Python, OpenJDK

Number of Interns:

1 Intern

Duration:

4 months

DRÄXLMAIER

Project 33

Real Time product level control

Department: Quality

Description:

A digital application built with Power Apps or Office tools will integrate the local BMW product database to provide real-time product status (Q-Stand). Shopfloor agents can scan a barcode to instantly access product details and verify status on-site. If an issue is detected, the system automatically sends email alerts to relevant departments, enhancing cross-functional collaboration and rapid issue resolution.

Tasks:

- Have depth knowledge of initial sampling BMW process
- Have knowledge of customer requirement and the necessities of the tasks
- Define needed information to be used
- Creation of the digital application with bare code scan option
- Creation of automatic link between the application and the product data base
- Creation of digital alerts will be sent by email in case of any issue
- Verification of operation and effectiveness of tests

Profile:

Master's Degree or Engineering Degree

Required Skills:

IT Skills(Programming/Coding)

Number of Interns:

1 Intern

Duration:

3 months

DRÄXLMAIER

Project 34

Digital Manufacturing Planning Processes Audit

Department: Technical Change-Management

Description:

The purpose of this project is to develop a digital application to manage and optimize manufacturing planning process audits.

The solution will integrate dashboards for real-time visualization of results and KPIs, provide systematic audit planning, and ensure transparent follow-up of corrective actions.

Tasks:

- Document the current audit process and practices
- Design and develop the digital audit application (Power Apps)
- Conduct real-time simulation and testing
- Refine the application according to results and stakeholder feedback

Profile:

Engineering Degree

Required Skills:

Power Apps & Power BI

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 35

SMART Production Line Management

Department: Technical Change-Management

Description:

The project aims to develop an application that optimizes production line management by providing real-time solutions for workforce absences.

The system will generate scenarios to efficiently assign support staff, maintain clear visibility of line structure, and display staff status (absent, replacement, support) on the production line screen.

Tasks:

- Analyze the current production staff management system and evaluate the existing displayapplication
- Design and develop the requested application
- Test the application through real-time simulations
- Refine the application according to simulation outcomes and user feedback

Profile:

Engineering Degree

Required Skills:

JAVA, IA , Python, Power Apps, Power BI, C, C++

Number of Interns:

2 Interns

Duration:

6 months

Project 36

Smart Learning: Digital Transformation of Training Programs

Department: Human Resources

Description:

This project aims to drive a digital transformation of the training program by converting traditional PowerPoint-based content into an engaging and interactive digital learning experience.

The program will integrate visual storytelling, animations, and interactive features, ensuring the content is both informative and stimulating.

Tasks:

- Define leaner needs, set objectives, design modules, select tools and platforms
- Develop digital content (videos, quizzes, simulations), configure the platform, run pilots
- Gather feedback, measure effectiveness, assess learning outcomes.
- Refine content, standardize best practices, scale and improve continuously.

Profile:

Master's degree/Engineering Degree: Telecommunication or IT filed

Required Skills:

Good English level, good programming and video editing skills

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 37

Smart Assembly Board for Mercedes-Benz project

Department: Quality

Description:

The project focuses on developing a Smart Assembly Board for the Mercedes-Benz initiative.

Each board is linked to a unique QR code that provides access to a digital platform containing its history, compatible products, technical updates, approval status, inspection results, product layouts, wiring details, operator involvement, and supporting documents.

Tasks:

- Define and validate functional, technical, and architectural requirements with relevant departments
- Develop the database, QR code system, and application prototype
- Integrate key features: history tracking, product data, approvals, and technical updates
- Test the prototype with real assembly data and verify performance
- Optimize the system and standardize usage procedures
- Document the final solution and propose deployment for BMW & VW boards

Profile:

Industrial Master's degree / Engineering Degree

Required Skills:

English, Programming, Coding

Number of Interns:

1 Intern

Duration:

4 months

Project 38

Centralized KPI’s Dashboard for Facility Management

Department: Security, Safety and Services

Description:

DRÄXLMAIER Eljem is developing a centralized KPI dashboard using Power Apps and Power BI to monitor water and electricity consumption in real time.

This solution replaces manual tracking with an integrated platform, improving visibility, predictive analysis, and resource efficiency.

Tasks:

- Define KPIs (electricity, water, compressed air).
- Connect data sources (Excel, Wattnow, IoT).
- Design Power BI dashboard (visuals, alerts, trends).
- Build Power Apps for manual input.
- Test and validate accuracy.
- Deploy and monitor performance.
- Train users on Power Apps & Power BI.

Profile:

IT Engineering Degree

Required Skills:

Power BI development, data handling, programming /automation

Number of Interns:

2 Interns

Duration:

4 months

DRÄXLMAIER

Project 39

Assessment and development of AI applications in technical carline audits

Department: Quality Group Governance

Description:

The DRÄXLMAIER Group conducts Technical Carline Audits (TCAs) aligned with automotive standards such as VDA 6.3, Automotive SPICE, and ISO 26262. These audits follow a structured process: planning, preparation, and implementation. This project explores how AI can support TCAs, with the goal of developing and implementing a practical AI-based solution

Tasks:

- Streamline TCA processes for efficiency.
- Explore AI for quality assurance in TCAs.
- Audit Preparation
- Audit Execution (incl. result management)
- Enhance prep with:
- Transcript-to-standard mapping
- Targeted analysis
- Assess Microsoft Copilot and other AI tools.
- Develop and apply a practical AI concept in a real audit.

Profile:

Engineering degree in IT

Required Skills:

Prior knowledge of AI (Co-Pilot), Power BI, process affinity, audits/quality management, English, technical understanding of automotive processes

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 40

Instant bus entrance visualization

Department: Human Resources

Description:

Creation of an interface to be implemented at the plant entrance (guardian's lodge) to record bus entry and which will be transmitted to the person concerned instantly.

Tasks:

- Implement software that complies with DRÄXLMAIER standards for deployment across multiple sites.
- Ensure the software is adaptable to various operational scenarios, including Bus configuration changes
- Data correction in case of errors

Profile:

Software engineering

Required Skills:

PHP, Java script, Html, Python, Java

Number of Interns:

1 Intern

Duration:

4 months

DRÄXLMAIER

Project 41

Intelligent Power BI Audit dashboard

Department: Quality Group Governance

Description:

Integration of Power BI AI assistant in Audit dashboard, enabling users to ask questions in natural language and get instant visual responses

Tasks:

- **Audit the Dashboard**: Review current visuals like usage stats, access logs, and refresh history.
- **Understand User Needs**: Identify common questions users might ask.
- **Validate the Data Model**: Ensure it's clean, well-labeled, and optimized for natural language queries.
- **Add Q&A Visual**: Insert and configure the Q&A visual in Power BI.
- **Review Security**: Confirm users only access data they're authorized to see.
- **User Testing**: Have users try the Q&A feature and gather feedback.
- **Refine Based on Feedback**: Fix issues, rename fields, and improve usability.

Profile:

Computer Science or Data Analytics

Required Skills:

Power BI, Basic AI/NLP concepts, Data preparation and visualization, Power BI Copilot, Azure AI, Power Virtual Agents

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 42

Smart macro for the project management and the product audits

Department: Project Quality APQP Tunisia

Description:

The project aims to improve all regular activities of project management and to ensure the effectiveness of the product audits running.

Tasks:

- Analyze with statistics the current situation.
- Evaluate the effectiveness of our activities
- Provide an innovative digital solutions for businesses include Artificial Intelligence (AI) and Machine Learning (ML)
- Create a smart macro balancing quality, cost, and time

Profile:

Industrial engineering, IT Master degree...

Required Skills:

English, Macro, excel, communication, innovation

Number of Interns:

2 Interns

Duration:

4 months

DRÄXLMAIER

Project 43

Development of a Power App for Managing Medical Visits at the Workplace Nursery

Department: Security, Safety and Services

Description:

The internship project aims to create a Power App that centralizes scheduling, tracking, and reporting of medical visits at the company's nursery. It will enable employees, nursery staff, and medical personnel to manage appointments, maintain records, and ensure health compliance, enhancing efficiency, reducing paperwork, and improving employee experience.

Tasks:

- Interview stakeholders and identify pain points in the medical visit process.
- Create wireframes, user flows, and define data structure and user roles.
- Build the app using Power Apps, integrate with Dataverse or SharePoint, and implement key features like appointment booking, notifications, and visit logs.
- Conduct user testing with nursery staff and selected employees, gather feedback, and refine the design.
- Deploy the app and provide training materials and sessions for users.

Profile:

Computer Science, Information Systems, or related field.

Required Skills:

Basic knowledge of Microsoft Power Platform (Power Apps, Power Automate) / Good communication skills for stakeholder interaction.

Number of Interns:

2 Interns

Duration:

4 months

DRÄXLMAIER

Project 44

Managing Internal Requests with Approvals and Supporting Documents

Department: Security, Safety and Services

Description:

This project aims to develop a Power App that digitizes internal request approvals involving multiple stakeholders and supporting documents. The app will centralize submissions, document uploads, approval tracking, and archive access.

Tasks:

- Analyze request types, stakeholders, and current process
- Define user roles, approval flows, and create wireframes
- Build the app with Power Apps and Power Automate
- Integrate SharePoint/Dataverse and Power BI
- Test with pilot users and refine based on feedback
- Launch the app and train users
- Prepare documentation and present outcomes

Profile:

Computer Science, Information Systems, or Process Management.

Required Skills:

Power Apps, Power Automate SharePoint or Dataverse.

Number of Interns:

2 Interns

Duration:

4 months

DRÄXLMAIER

Project 45

Organizing and Monitoring Legally Required Medical Visits

Department: Security, Safety and Services

Description:

This project aims to design and develop a Power App that centralizes the yearly planning of medical visits, automates reminders, tracks attendance and outcomes, calculates related KPIs, and integrates with Power BI for advanced reporting and visualization.

Tasks:

- Identify legal and policy requirements
- Gather stakeholder needs
- Define user roles and design UI/data structure
- Build Power App for scheduling, reminders, and data entry
- Automate notifications with Power Automate
- Integrate SharePoint/Dataverse for secure storage
- Define KPIs and connect to Power BI for reporting
- Conduct user testing and refine the solution
- Deploy the app and provide training

Profile:

Computer Science, Information Systems, or Health & Safety Management.

Required Skills:

Power Apps, Power Automate, Power BI SharePoint or Dataverse, Understanding of business process modeling.

Number of Interns:

1 Intern

Duration:

6 months

DRÄXLMAIER

Project 46

Digitalization and Analysis of EHS Data

Department: Security, Safety and Services

Description:

The company is developing a Power App to streamline Environmental, Health, and Safety (EHS) data collection across multiple sites. Each site will digitally submit structured data, including key metrics, compliance, incidents, and training records, which will be stored centrally in SharePoint or Dataverse. Power BI dashboards will visualize the data to enhance decision-making and simplify annual reporting.

Tasks:

- Review current EHS document and required site inputs
- Define roles and design interface for data entry
- Build Power App with forms and validation
- Set up SharePoint/Dataverse for storage
- Connect data and design dashboards with filters and reports
- Pilot test and refine based on feedback
- Launch app and provide training
- Prepare guides and present results

Profile:

Computer Science, Information Systems, or EHS Management.

Required Skills:

Microsoft Power Apps and Power Automate, Power BI, Knowledge of SharePoint or Dataverse, Understanding of EHS processes is a plus.

Number of Interns:

1 Intern

Duration:

4 months

Project 47

UI/UX Design for Embedded Touchscreen-Based Testing Device Interface

Department: Research and Development

Description:

This project involves designing a touchscreen-optimized UI for an embedded system used in industrial environments, featuring test pages, a dashboard, configuration, and sign-in screens. It is a design-only task focused on delivering all visual and interactive assets for development.

Tasks:

- Deliver complete UI designs for all screens.
- Ensure ergonomic, readable, and intuitive touchscreen interaction.
- Provide responsive layouts for various screen sizes.
- Create a scalable design system and style guide.
- Include interactive prototypes to show navigation and user flow.
- Account for hardware and performance constraints of embedded sys

Profile:

Multimedia Engineering / Computer Graphics / Multimedia & Database Systems

Required Skills:

Figma, Adobe XD, Photoshop, and Illustrator, visual design principles

Number of Interns:

1 Intern

Duration:

4 months

Project 48

Web Application: Laboratory Information Management System (LIMS)

Department: Research and Development

Description:

The project involves developing a web-based Laboratory Information Management System (LIMS) to streamline and automate lab operations. It will manage samples, tests, workflows, inventory, and reporting on a centralized, secure platform with multi-user access, role-based permissions, instrument/database integration, and optimization for desktop and mobile use.

Tasks:

- Identify lab processes, data flow, user roles, and access levels.
- Define system architecture and database schema.
- Develop UI/UX mockups for key
- Build core modules: sample tracking, inventory control, user management, reporting, and analytics.
- Implement secure login, data encryption, and Restful APIs for integration.
- Conduct unit, integration, system, and user acceptance testing.
- Prepare user manuals, training materials, and system/API documentation.

Profile:

Software Development Engineering

Required Skills:

NET / SQL Driven databases / API Integration / JavaScript / HTML / CSS

Number of Interns:

1 Intern

Duration:

6 months

Stand out and succeed

DRÄXLMAIER

Why apply at DRÄXLMAIER?

- **Real-World Experience**
- **Industry Insight**
- **Soft Skills Development**
- **Networking Opportunities**
- **Mentorship**

Tips

- Apply **via the shared link**
- Send your **resume in English**
- Select **one project**
- Mention the **project number** in your application

Success is a matter of character.
Are you ready?

Apply now for **one of the Top 100** automotive suppliers in the world!

Explore open projects


DRÄXLMAIER
WE CREATE CHARACTER