



# PFE BOOK 2023-2024

Curious?

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**Who We are?**



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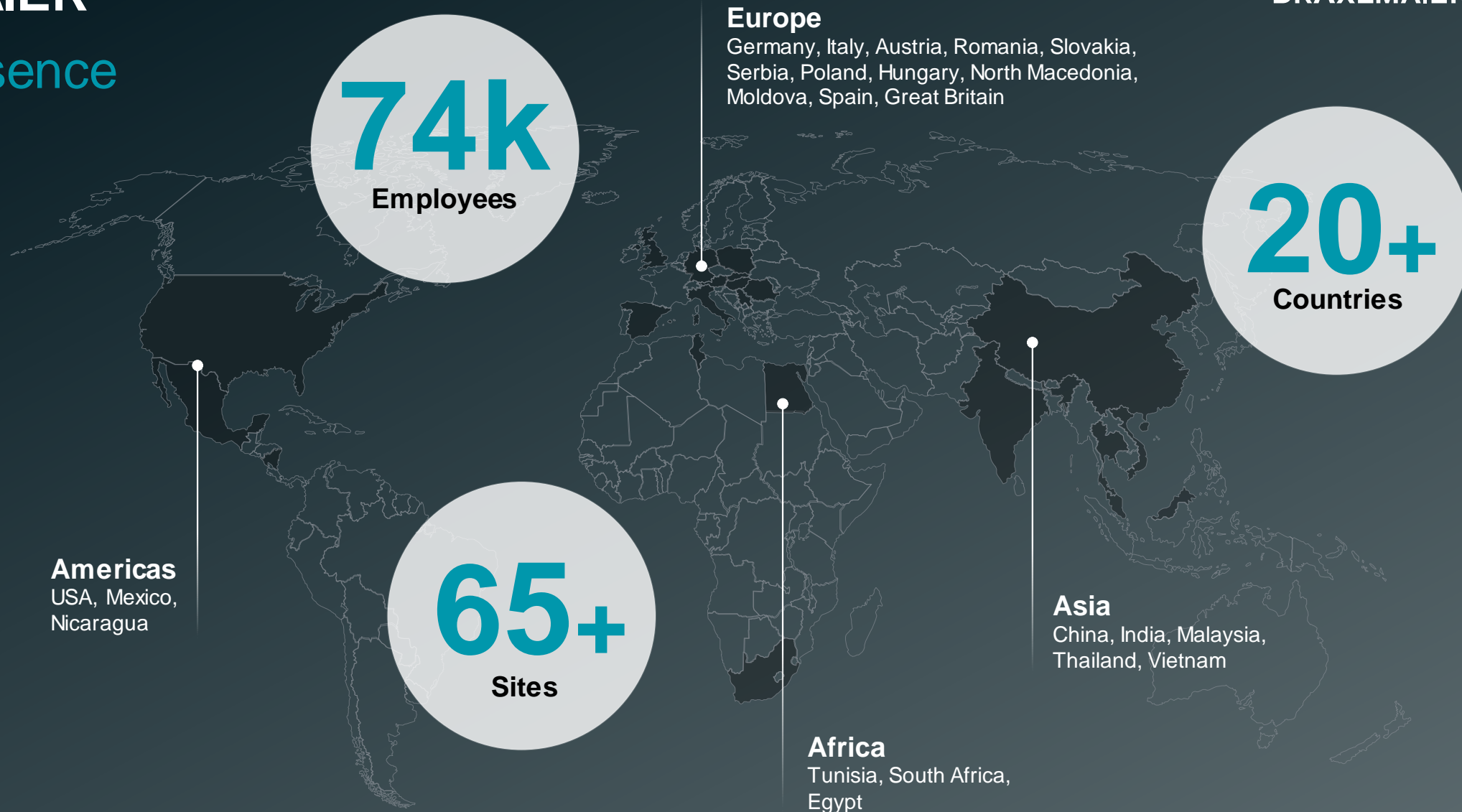
**Tips and advantages**

# WHO WE ARE?

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# DRÄXLMAIER

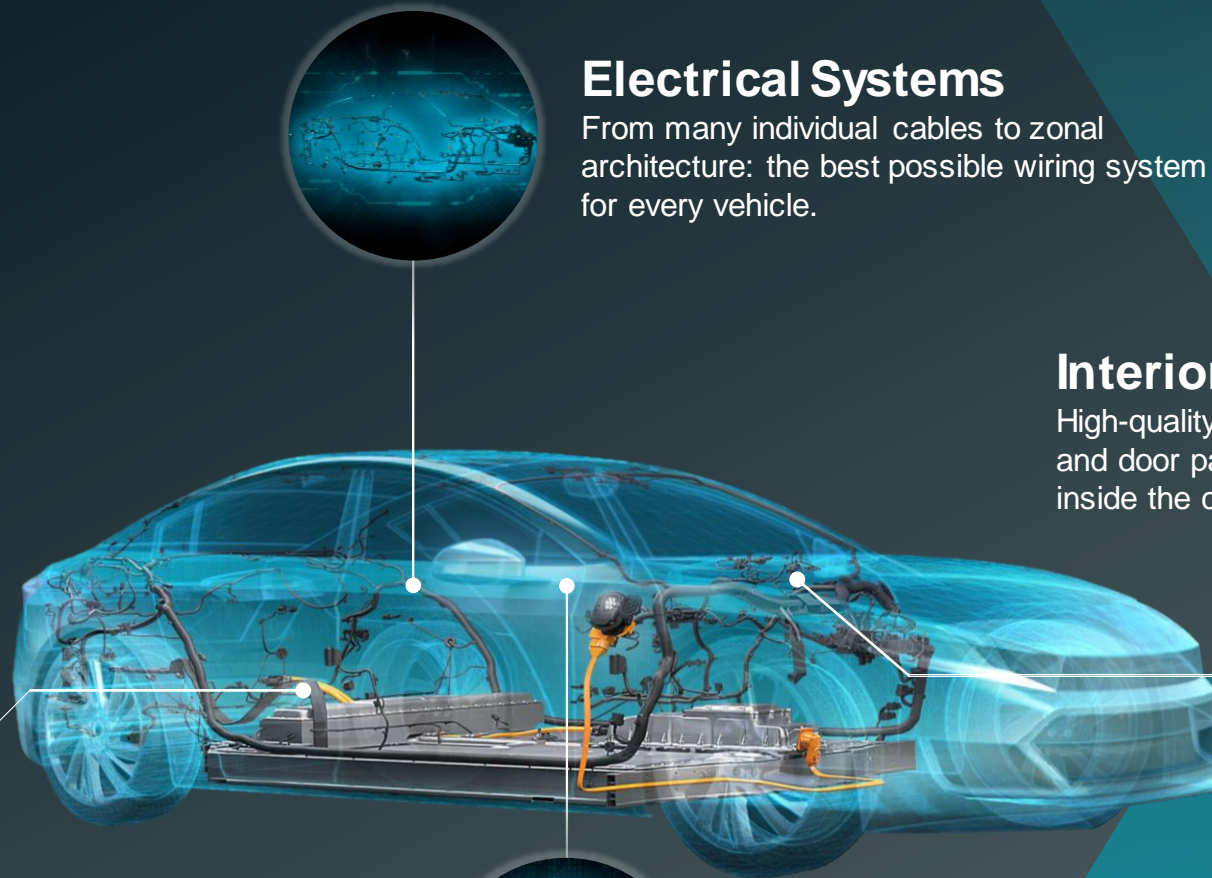
## Global Presence





What we do?

# Outstanding Solutions for Premium Vehicles



## Electrical Systems

From many individual cables to zonal architecture: the best possible wiring system for every vehicle.

## Interior Systems

High-quality instrument panels, center consoles and door panels create a feel-good atmosphere inside the car..

## Battery Systems

Our battery modules with high power and energy density: standardized and individually scalable.

## Component Systems

Scalable electrical and electronic components - for battery electronics, contact and connector systems or high-voltage charging systems.

# Strategy

Shaping Progress together

L

E

A

D

E

R

## Leadership

We strengthen our position as a preferred system partner in the premium segment.

Market and customer orientation

## Excellence

We strengthen the effectiveness and efficiency of our processes.

Process Excellence

## Attitude

We secure our financial independence and realize our growth target.

Independence

## Drive

We are paving the way for forward-looking technologies: with top performance today and the technical mobility of tomorrow.

Innovation

## Empathy

We are an employer of choice - from the shop-floor to top management.

Employee orientation

## Respect

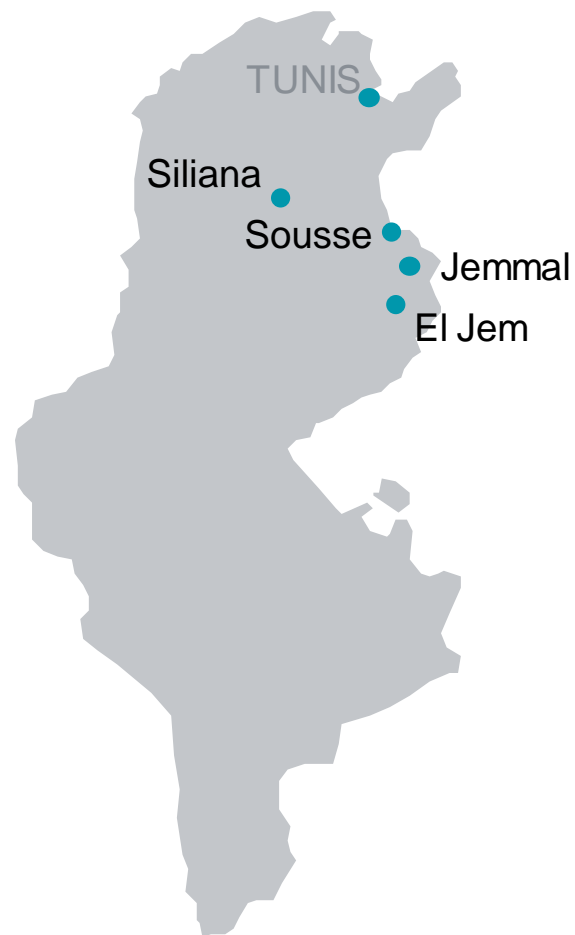
We take responsibility and operate sustainably: economically, ecologically and socially.

Sustainability



Since

1974



**~10.000**  
**Employees**

**5**  
**Locations**

**4**  
**Excellence Centers**

# Our selection process



Project  
selection



Online  
Application



Preselection  
according to the  
resume



Prequalification



Assessment  
Day



Integration  
Day



# Our Internship Opportunities

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# DRÄXLMAIER Eljem- SATE

Route de Sousse GP1 Km3



# Automated Product Handling System

Department: Maintenance



## Description:

Design and development of a new automated concept to move the finished product from workplace to Export.



## Tasks:

- Case Study
- Design and propose of the appropriate solution
- Risk analysis and define risk mitigation measures
- Prepare solution specifications
- Define solution's benefits



## Profile:

Mechanical Engineer



## Required Skills:

IT Knowledge - SolidWorks - CATIA  
Good analytical and problem-solving skills



## Number of Interns:

01 Intern



## Duration:

06 months

# Workplace ergonomics improvement

Department: Maintenance



## Description:

Improvement of the workplace ergonomics related to ultrasonic machine by working on safety , comfort , ease of use , productivity and performance.



## Tasks:

- Case Study
- Design and propose the appropriate solution
- Risk analysis and define risk mitigation measures
- Prepare solution specifications
- Define solution's benefits



## Profile:

Mechanical Engineer



## Required Skills:

SolidWorks – CATIA - RDM  
Analytical Skills



## Number of Interns:

01 Intern



## Duration:

06 months



# Creation of digital Change management Dashboard

Department: Series Life Management



## Description:

Design and development of a change management dashboard taking in consideration internal and external interfaces.

All data should be displayed in a Dynamic dashboard or Application.



## Tasks:

- Analyze the current status
- Define the workflow and rules to be respected
- Development the required system taking into consideration the creation of several interfaces: an interface for studying all types of technical changes, for equipment, for inquiry Matrix, to display the Dynamic dashboard...



## Profile:

IT Engineer



## Required Skills:

Power apps, power BI, MS Office, Python  
Java script, Visual Basic



## Number of Interns:

01 Intern



## Duration:

06 months

# SMART Addressing Wires System

Department: Series Life Management



## Description:

Design and development of intelligent system to make a virtual simulation in the industrial phase for appropriate allocation of material ( wires ) taking into consideration safety , quality and efficiency.



## Tasks:

- Define and analyze of the initial state
- Definition of the addressing criteria
- Development of the addressing wires system
- System simulation and effectiveness approval
- Creation of a new work instruction



## Profile:

IT Engineer / Industrial Engineer with IT background



## Required Skills:

Lean manufacturing - Software Power apps  
Power BI, MS Office, Python, Java scrip, Visual Basic



## Number of Interns:

01 Intern



## Duration:

06 months



# Customer change management visualization

Department: Series Life Management



## Description:

Design and development of a Top-Down concept to share the coming changes in the product (harnesses for automotive industry).



## Tasks:

- Define and analyze of the current status
- Coordination with different stakeholders to define data resources
- Development of the concept
- Simulation of the concept



## Profile:

IT Engineer



## Required Skills:

Power apps, power BI, MS Office, Python, Java script  
Visual Basic



## Number of Interns:

01 Intern



## Duration:

06 months

# Electricity Consumption Tracking System

Department: Site Infrastructure



## Description:

Design and development of a smart tracking system to control the electricity consumption per manufacturing area.



## Tasks:

- Case study
- Data collection
- Creation of the tracking system
- Simulation of the system
- Data analysis
- Propose measures to promote sustainability



## Profile:

IT Master degree



## Required Skills:

Data analysis, Knowledge of programming software



## Number of Interns:

01 Intern



## Duration:

06 months

# Application for Health care service management

Department: Site Infrastructure



## Description:

Design and development of a health self-care application that facilitates, organizes and improves the management of various healthcare services and requests.



## Tasks:

- Define and analyze the current state
- Creation of the health care activities data base
- Development of the application
- Realization of the selfcare concept



## Profile:

IT Engineer



## Required Skills:

Health and safety Knowledge , Data Analysis  
Visual Basic, Python



## Number of Interns:

01 Intern



## Duration:

06 months

# Plant Security System

Department: Site Infrastructure



## Description:

Design and development of a plant security system to manage stakeholder's access.



## Tasks:

- Study of the initial Situation
- Design of the new Lay-out
- Development of the System



## Profile:

Industrial Engineer – IT Engineer



## Required Skills:

Safety Knowledge - Data Analysis, Web Development



## Number of Interns:

01 Intern



## Duration:

06 months

# Visual Training concept

Department: People Development



## Description:

Design and development of a new theoretical training concept using interactive videos and online tests by QR code or link access.



## Tasks:

- Definition of training topics
- Definition of the concept to be used (Approved)
- Development of the online tests
- Simulation of the visual training concept and measure their effectiveness



## Profile:

Master degree in Digital Marketing / Multimedia



## Required Skills:

Mastery of video design, Time-consuming audiovisual editing



## Number of Interns:

02 Interns



## Duration:

04 – 06 months

# Error proofing Test Dashboard

Department: Quality



## Description:

Design and development of a dashboard to control the tests carried out for error proofing and to ensure the quick reaction in case of any deviation.



## Tasks:

- Study of initial Situation
- Design and development of a digital dashboard for the error proofing test
- Ensure the creation of mandatory test flow to avoid escaping any test
- Creation of a Safety Quality-alarm concept in case of deviation



## Profile:

IT Master degree



## Required Skills:

VBA, Power BI , Visual Basic



## Number of Interns:

01 Intern



## Duration:

06 months



# Dashboard for Online failure management

Department: Quality



## Description:

Design and development of a dashboard for better management of the failures detected on the harnesses testing station by quick reaction in the production line.



## Tasks:

- Study of initial Situation
- Create automatic export of data from test station
- Design and development of the dashboard
- Simulation of the dashboard in production line.



## Profile:

IT Master degree



## Required Skills:

VBA, Power BI



## Number of Interns:

01 Intern



## Duration:

06 months

# KANBAN System for raw Material and wires

Department: Logistic



## Description:

Design and development of a kanban system tailored for managing accessories of the project, this will enhance the flow materials, improve inventory management and optimize the supply chain.



## Tasks:

- Analyze of the current situation
- Design a customized Kanban system based on the specific needs and requirements of the project
- Implement the Kanban system within the existing workflow, ensuring seamless integration with production processes



## Profile:

Industrial Engineer



## Required Skills:

Basic knowledge in supply chain, Lean manufacturing, Kanban System, VSM, Analytical skills – Power BI, VBA, English



## Number of Interns:

01 Intern



## Duration:

04 months

# Optimization of wire harnesses production concept

Department: Continuous Improvement Process



## Description:

Optimization of the Projects manufacturing Processus of wire harnesses by improving the indicator : produced minutes per Square meter (achieve the planned minutes to produce the wire harnesses in a reduced space by optimizing the whole production concept).



## Tasks:

- Define and measure of the current situation
- Data analysis
- Define measures to optimize the production concept (new concept , needed changes, strategic decisions ...)
- Define project benefits.



## Profile:

Industrial Engineer ,Electro-Mechanical Engineer



## Required Skills:

Lean Manufacturing - Good analytical skills, Ms Office / VBA / Industry 4.0



## Number of Interns:

01 Intern



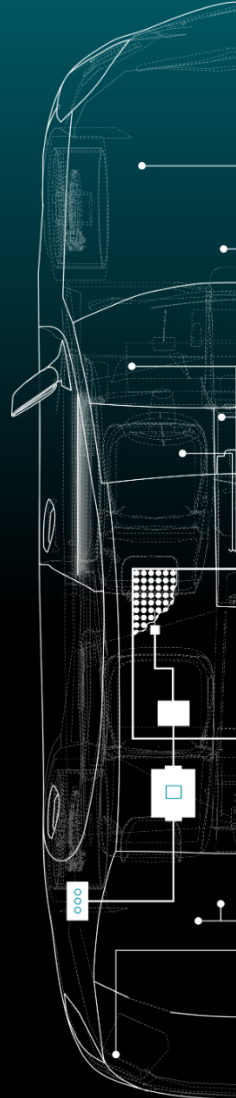
## Duration:

06 months

# Tips and Advantages

Seize the opportunity!

# Join a Top100 Automotive Supplier!

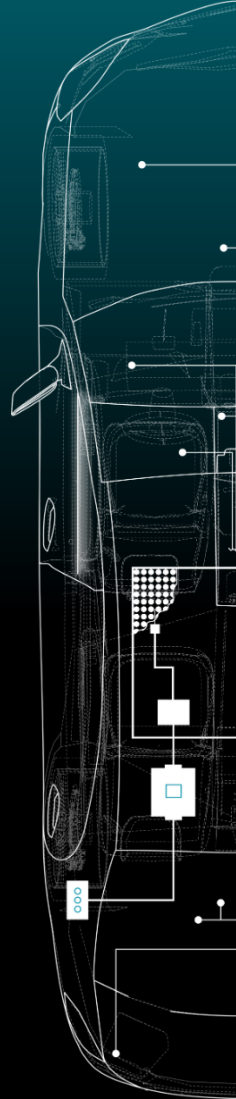


## TIPS

- Apply via the shared link
- Send your Resume in English
- Select one project
- Mention the Number of the project

Seize the opportunity!

# Join a Top100 Automotive Supplier!



## Advantages

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





**DRÄXLMAIER**

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**WE CREATE CHARACTER**