We are Joyson Safety Systems –
A Mobility Safety Company.

Joyson Safety Systems ist einer der global führenden Entwickler und Hersteller von automobilen Insassenschutzsystemen mit einem Umsatz von ca. 5,3 Mrd. Euro und weltweit mehr als 43.800 Mitarbeiterinnen und Mitarbeitern. Wir stehen für Innovation und Fortschritt. Als zuverlässiger und kompetenter Partner der Automobilindustrie konzipieren, entwickeln und produzieren wir Insassenschutzsysteme und -komponenten. Unser Produktportfolio besteht aus Lenkrädern, Airbags und Generatoren, Sicherheitsgurten, technischen Kunststoffteilen, Elektronik und Sensorik. Damit beliefern wir weltweit nahezu alle namhaften Kraftfahrzeughersteller.

Joyson Safety Systems is one of the leading global developers and manufacturers of automobile occupant protection systems with a turnover of ca. 4,8 billion euros and more than 50,000 employees worldwide. We represent innovation and progress. As a reliable and skilled partner of the automobile industry, we design, develop and produce occupant protection systems and components. Our portfolio includes steering wheels, airbags and generators, safety belts, technical plastic components, electronics and sensor technology which we supply to nearly all renown vehicle manufacturers worldwide.

Our team in Aschaffenburg needs support and we are seeking:

Engineer AI & Automation (all genders)

Site:
Aschaffenburg

What you can change — your duties

- Develop and integrate AI-driven solutions to optimize production throughput, resource utilization, and manufacturing efficiency worldwide
- Implement computer vision systems for automated inspection and defect detection on high-precision assembly lines
- Design and deploy predictive maintenance models in collaboration with maintenance teams to reduce unplanned downtime
- Analyze large and complex manufacturing datasets to identify patterns, bottlenecks, and opportunities for improvement
- Support configuration and operation of Industrial IoT (IIoT) devices, sensor networks, and real-time data pipelines
- Create technical documentation, standard procedures, and guidelines for AI-driven processes and workflows
- Identify, evaluate, and benchmark innovative manufacturing technologies (AI, robotics, IIoT, software systems) for future production concepts

Act as an internal consultant and advisor for advanced digital and AI applications for global and local stakeholders

Contribute to global process and technology roadmaps, and support implementation together with operational units

Manage special projects related to AI, automation, robotics, and advanced manufacturing, including reporting and presentations

Enable global knowledge sharing and benchmarking within the Advanced Manufacturing community

Impress us – your qualifications

Bachelor's or Master's degree in Mechanical/Industrial Engineering, Computer Science or similar, ideally with AI focus

Strong foundational understanding of manufacturing processes, lean principles, and automotive quality standards

Hands-on programming skills (Python or R) and experience with ML frameworks (TensorFlow, PyTorch, Scikit-learn)

Practical experience with AI use cases in manufacturing (e.g., vision systems, predictive maintenance, yield optimization)

Skills in data engineering: collecting, cleaning, and structuring large datasets from machines and sensors

Understanding of IIoT architecture and common communication protocols (OPC-UA, MQTT)

Strong analytical mindset with the ability to validate AI models and translate data into actionable insights

Ability to work in cross-functional and international teams, bridging manufacturing engineering and data science

High motivation to explore new technologies and contribute to continuous innovation (Industry 4.0, automation, robotics)

Professional fluency in English; German skills are a plus

Willingness to travel internationally as required

What we offer — your benefits

First aid station & Health Care Centre

Company sport

Company canteen

Further training as well as in-house training

Free parking

Flexible working time

Employee events (Christmas party etc.)

JobRad

Contact

We look forward to receiving your application! Please
send by e-mail to your contact:

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Your contact will also be available for any queries you may have.