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Professional Summary

Global EHS & Process Manager with a B.Sc. in Engineering, responsible for independently architecting the corporate process framework. Leads global sustainability programs and manages ISO systems (14001, 45001, 50001) across sites in Europe, Asia, and North America.

Proven expertise in transforming EHS data into actionable insights by designing and automating global energy dashboards (PowerBI, Power Query) and workflows (Power Apps).

Actively leverages AI tools (ChatGPT, Copilot, Gemini) as a member of a corporate AI Key User group to analyze data, identify root causes, and drive process automation.

Education

Osnabrueck University of Applied Sciences   Osnabrueck, Germany
Bachelor of Science, Plastics Engineering   November 2020
Thesis: Development of a mobile adaptive measuring system for melt pressure and temperature profiles in injection molding process (Grade 1.5)

Omega Technology GmbH & Co. KG   Diepholz, Germany
Certified Process Mechanic for Plastics and Rubber Engineering (Apprenticeship)   August 2015

Experience

SIGNATA GmbH (former ZF Friedrichshafen AG)   Diepholz, Germany
Global EHS Engineer & Process Manager   August 2022 – Present

- Lead EHS management systems (ISO 14001, 45001, 50001) and sustainability initiatives for 4 global production sites (Germany, Bulgaria, China, Mexico).
- Design and deploy a global energy dashboard using PowerBI and Power Query to automate data collection and analysis.
- Automate IMDS request processes using Microsoft Lists and Power Apps, eliminating waste and improving efficiency.
- Actively explore and facilitate the use of Generative AI (ChatGPT, Gemini) to analyze complex EHS data and identify system failure root causes.
- Provide technical leadership and coordination for local EHS coordinators and stakeholders; develop and deliver training materials for EHS processes.
- Conduct internal system audits (ISO 14001/45001/50001) at global sites (Germany, Bulgaria) to ensure compliance and drive continuous improvement.
- Manage and coordinate data across various EHS platforms, including IMDS/CAMDS, Quentic, Q-Wiki, and Stages (Method Park).

Hellmann Process Management   Osnabrueck, Germany
Environmental Consultant – Material Compliance   May 2021 – July 2022

- Consulted corporate clients on implementing and managing product-related environmental regulations (REACH, RoHS, WEEE).
- Analyzed product data to ensure material compliance and supported clients in developing sustainable product strategies.

ZF Friedrichshafen AG   Stemwede, Germany
Cost Engineering – Working Student   March 2019 – December 2019

- Conducted technical cost analyses for the "ZF-Part Family Strategy" with a focus on technical plastics.
- Analyzed manufacturing processes (e.g., injection molding) to identify cost-saving potentials.

Leadership & Activities

SIGNATA GmbH (former ZF Friedrichshafen AG)   Diepholz, Germany
Member, Corporate AI Key User Group   June 2025 – Present

- Selected as a key user to test, validate, and explore the integration of Generative AI tools (Copilot) into corporate process workflows and optimization.
- Facilitate knowledge transfer and best-practice sharing for AI applications within the global EHS forum.

Skills & Interests

Technical:

- EHS and Process Platforms: Quentic, IMDS, CAMDS, Stages (Method Park), Q-Wiki
- Data & Automation: Python, PowerBI, Power Apps, Power Query, Microsoft Lists, Advanced Excel, SAP
- AI Tools: ChatGPT, Microsoft Copilot, Google Gemini
- AI Frameworks: OpenAI SDK
- EHS Standards: ISO 14001, ISO 45001, ISO 50001

Language:

- German (Native)
- English (Fluent)
- Russian (Fluent)

Professional Development (AI):

- The Complete Agentic AI Engineering Course 2025 (Ed Donner)
- Generative AI 2025 Executive Briefing: LLMs for Leaders (Ed Donner)
- In Progress: AI in Production: Gen AI and Agentic AI at Scale (Ed Donner)