



Mohamed Omar Baouch

Mechanical Engineer & PDM/PLM Consultant

CONTACT

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Mobility: EU Driver's License, Own vehicle

LANGUAGES

French	Bilingual
Arabic	Native
English	Fluent
German	Beginner

CORE SKILLS

PDM/PLM Systems

- SolidWorks PDM Professional
- 3DEXPERIENCE Platform
- PTC Windchill PLM
- Visiativ PDM Gateway
- Migration & Upgrades

CAD & Engineering

- SolidWorks Premium & CATIA V5
- PTC Creo Parametric
- FEA Analysis (ABAQUS)
- Mechanical Design (DFM)

Project Management

- Technical Leadership
- Digital Transformation
- Process Optimization
- ERP Integration
- Training & Support

CERTIFICATIONS

- ✓ SolidWorks Professional (CSWP)
- ✓ PDM Administration
- ✓ 3DEXPERIENCE Certified

PROFESSIONAL SUMMARY

Mechanical Engineer and PDM/PLM Consultant with strong expertise in product lifecycle management, digital transformation, and enterprise CAD implementations. Proven track record leading complex PDM/PLM deployments, optimizing engineering workflows, and driving organizational change. Specialized in SolidWorks PDM, 3DEXPERIENCE, and multi-system integrations.

PROFESSIONAL EXPERIENCE

- **PDM/PLM Consultant**
Visiativ • June 2023 – Present
 - › Led PDM/PLM implementations for industrial clients, from requirements analysis to go-live.
 - › Designed system architecture and configurations (SolidWorks PDM) with custom workflows.
 - › Managed data migration projects and version upgrades of PDM/PLM environments.
 - › Designed and deployed ERP–PDM/PLM integrations to strengthen the digital thread.
 - › Trained users and administrators on new methodologies and PDM/PLM tools.
- **Mechanical Design Engineer**
ABMI Group • Sep 2021 – Jun 2023
 - › Developed radar systems and precision machined components for IDEMIA.
 - › Managed product data lifecycle in a PLM environment; improved traceability.
 - › Modernized RATP ticket vending machines (FLOWBIRD); coordinated an engineering team.
 - › Performed advanced structural analysis (Creo Simulate) to optimize design weight.
- **Design Engineering Specialist**
Evolum Container Solutions • Apr 2020 – Oct 2020
 - › Analyzed customer needs and costed bespoke container solutions.
 - › Produced detailed BOMs and technical documentation using CAD and ERP.
 - › Managed supplier relationships and procurement processes.

EDUCATION

- **Master's in Mechanical Engineering**
UFR MIM, University of Metz • 2018 – 2020
- **Engineering Degree – Plastics Engineering**
INSA Strasbourg • 2015 – 2018
- **Preparatory Classes (PTSI)**
Lycée Louis Couffignal • 2013 – 2015

Key Technologies: PLM Implementation, PDM Administration, SolidWorks PDM, CATIA V5, 3DEXPERIENCE, Windchill, Digital Transformation, ERP Integration, Data Migration, CAD Management, Engineering Workflows, Technical Documentation, FEA Analysis, Design Optimization, Project Management.