

Mark F. Boules

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EXECUTIVE PROFILE

Strategic Maintenance & Asset Management Leader with 17+ years of progressive experience driving reliability transformation across large-scale industrial manufacturing environments. Proven capability in leading maintenance organizations within high-volume automotive production facilities (5,000+ workforce / 2500+ critical assets), with full accountability for €1.5M annual maintenance budgets. Expert in developing asset lifecycle strategies, optimizing total cost of ownership (TCO), and embedding predictive and data-driven maintenance models that enhance operational resilience and business continuity. Recognized for transforming maintenance functions from reactive support units into strategic value drivers aligned with operational excellence, financial performance, and long-term asset sustainability. Strong background bridging telecommunications engineering and advanced manufacturing technologies, bringing a systems-thinking approach to reliability, automation, and technical leadership.

WORK EXPERIENCES

› Maintenance Manager | LEONI Wiring Systems Egypt (Jul 2022 – Present)

- Reduced plant downtime by 12% by restructuring predictive maintenance protocols.
- Boosted OEE by 15% through strategic PM optimization and Root Cause Analysis (RCA).
- Delivered €300K in annual savings by optimizing spare parts stock and consumption controls.
- Directly managed a €1.5M budget, consistently aligning maintenance costs with KPIs.
- Led SAP S/4HANA PM implementation as Key User to digitize and automate workflows.
- Improved PM compliance and significantly lowered unplanned breakdown frequency.
- Upskilled the maintenance team through the design of structured technical training.

› Maintenance Manager | SE Wiring Systems Egypt (Sumitomo) (Apr 2019 – Jul 2022)

- Directed Greenfield startups, ensuring 100% equipment readiness and optimal facility layouts.
- Maximized efficiency by implementing Total Productive Maintenance (TPM) systems.
- Governed facility infrastructure, utilities, and production equipment reliability.
- Led breakdown management strategy during high-pressure plant ramp-up phases.
- Managed departmental budgeting, cost reporting, and large-scale workforce development.

› Maintenance Team Leader | LEONI Wiring Systems Egypt (Jan 2018 – Apr 2019)

- Governed PM scheduling and compliance using CMMS (APIPRO) to ensure asset reliability.
- Synchronized inventory control with PM programs to eliminate material-related delays.
- Optimized spare parts consumption tracking to improve cost visibility and asset support.
- Accelerated emergency response by strengthening workshop safety and tool management.
- Deployed DiIT CAO system to digitize cutting area workflows and improve process data alignment.

› **Senior Service Engineer | SIGMA Group Egypt** (Aug 2010 – Dec 2017)

- Translated customer production needs into optimized technical configurations and proposals.
- Contributed to project scope definition, cost estimation, and resource planning.
- Led installation, commissioning, and integration of hardware, software, and network systems.
- Managed harness manufacturing technical projects.
- Conducted customer operational and technical training and after-sales engineering support.

› **Maintenance Engineer | BPS (Bavly Printers Systems)** (Sep 2009 – Aug 2010)

- Managed full-cycle maintenance and diagnostic for high-volume networked multi-functional devices.
- Implemented proactive protocols that transitioned the site from reactive repairs to scheduled reliability.
- Reduced downtime by designing and executing systematic maintenance strategies across client sites.
- Advised on asset procurement by providing technical health audits and hardware requirements to account managers.

› **Network Infrastructure Engineer | Freelance** (Jan 2007 – Sep 2009)

- Designed and deployed network configurations for diverse small-scale environments.
- Managed multi-project installations, ensuring system standards and performance optimization.

EDUCATION

› **Academic Post-Graduate Diploma Degree, 2016**

Cairo, EG

PGDip. In Advanced Telecommunication Networks, GPA: 3.57 (B+)
National Telecommunication Institute (NTI)
Grad. Project: Ethical Hacking Guide for OS Attack

› **Academic bachelor's degree, 2009**

Helwan, EG

B.Sc. In Electronics and Electronic Communications, GPA: 2.00 (C)
Faculty of Engineering, Helwan University
Grad. Project: Wimax Physical Layer Implementation

CERTIFICATIONS

› Internal Quality Auditor (VDE), 2025	LEONI, EG
› Schunk Minic III Ultrasonic Welding Expert, 2019	SEWS, EG
› Schleuniger CC36SP Crimping Center Expert, 2019	SEWS, EG
› Crimp Force Analyzer CFA Expert, 2018	Komax AG, Switzerland
› CMRP Maintenance & Reliability Pro, 2018	Self-Study
› EtherCAT communication Protocol Expert, 2016	Komax AG, Switzerland
› Injection Molding Machinery Knowhow, 2015	Multiplas Enginery, Taiwan
› ACD Automatic Conductor Detector Knowhow, 2014	Komax AG, Switzerland
› MCSE Microsoft Server Infrastructure 2012	Self-Study
› CCNP Routing and Switching, 2011	Self-Study
› MCITP Microsoft Server Administrator, 2010	YAT Learning Center, EG
› CCNA Routing and Switching, 2008	YAT Learning Center, EG

CORE EXPERTISE

- › Asset Management & Reliability Engineering
- › Preventive & Predictive Maintenance Strategy
- › Digital transformation & Migration of systems
- › SAP S/4HANA – Plant Maintenance (PM)
- › Spare Parts Optimization & Inventory Control
- › OEE Improvement & Downtime Reduction
- › CAPEX Support & Equipment Installation
- › Lean Maintenance & Continuous Improvement
- › Wire Harness Manufacturing Technology
- › Team Leadership & Technical Development

PERSONAL DATA

- › Date : 21 September, 1984/ Giza, Egypt
- › Marital status : Married
- › Nationality : Egyptian
- › Military status : Exempted



References furnished upon request

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