

SAMI MALLAH

Industrial Engineer and Maintenance



Lebanese, French



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Summary

Experienced **Industrial Engineer** and **Maintenance Manager** with a strong background in the concrete production industry. Demonstrates expertise in maintenance operations, automation systems, and team leadership. Proven track record of improving plant performance, maintaining multi-type batching plants, and implementing safety and health policies.

Work Experience



Maintenance Manager

Ready Mix Beton Group

(RMB-Decom-Master Tec)

October 2002 – Present

- **General Maintenance:** Oversee maintenance operations for Ready Mix Beton & Decom companies, ensuring optimal performance across facilities.
- **Automation Implementation:** Upgrade and improve automation systems for existing plants, boosting efficiency and productivity.
- **Plant Optimization:** Enhance plant performance to maximize production output while maintaining quality standards.
- **On-Site Plant Management:** Oversee the dismantling, installation, and maintenance of batching plants at various sites.
- **Batching Plant Maintenance:** Maintain and troubleshoot various types of batching plants, including "BRITH BATCH," "HARRIER," "TORNADO," "DISCOVERY," "Cifa," "Gazella," "Kangaroo," and "Mix Master."
- **Electrical Issue Resolution:** Address and resolve electrical issues, including control, PLC, and power challenges.
- **Scales Calibration:** Calibrate scales for concrete batching plants and weighbridges, enhancing accuracy and precision.
- **Electronics Repair:** Repair electronic boards to reduce costs and extend the lifespan of equipment.
- **Chillers and Generators Maintenance:** Conduct maintenance on chillers and generators to ensure consistent operations.
- **Safety and Health Compliance:** Adhere to and promote organizational safety and health policies.
- **Team Leadership:** Lead a team of over 50 technicians, providing guidance and support for efficient and effective maintenance.
- **Cross-Departmental Collaboration:** Collaborate with sales, production, and lab departments to optimize production processes and address challenges.
- **Strategic Planning:** Develop plans to ensure plant availability and support the achievement of organizational goals.
- **Team Improvement:** Guide operators, foremen, and batch plant managers in enhancing plant performance and productivity.

- **Process Control:** Establish and enforce rules for controlling all processes to achieve objectives and maintain high standards.
- **Maintenance Scheduling:** Manage maintenance schedules using specialized software for effective operations and resource management.



Technical Engineer

I. Network Company

Safra, Lebanon

September 2000 – December 2001

- **Project:** Automation machine BM80 – Extruder Machine for LIBAN CABLE Factory in Nahr Ibrahim, Lebanon.
- **Responsibilities:**
 - **Electrical Design:** Created electrical schematics for automation projects, ensuring precision and compliance with industry standards.
 - **Command and Wiring:** Implemented and executed command systems, electrical wiring, and connections for smooth and efficient operations.
 - **System Upgrade:** Replaced outdated panels with new systems utilizing PLC and touch screen technology, programmed by I. Network Company.



Trainings

Jubaili Bros company

Maintenance and Automation System

August 1999 | Duration: 2 Months | Lebanon

- Focused on generator maintenance.
- Learned to implement command and ATS systems.

Easy Soft Company

Hardware and Software

August 1999 | Duration: 2 Months | Lebanon

- Gained skills in programming and IT hardware maintenance.

Professional Highlights

Master Tec experiences: Concrete Batching Plant Manufacture.

- **Fixing & Commissioning:** Fix and commission batching plants across all RMB and Decom sites since 2002.
- **Recent Project:** In 2023, fix and commission the "FALCON" batching plant in UAE Abu Dhabi (Mina Site), with a capacity of 220 cubic meters per hour.
 - **Key Features:** Command Batch Alkon system, 5 cubic meter mixer capacity, 8 cement silos, 4 microsilica silos, 4 cement holding hoppers, 1 aggregate holding hopper, 1 water holding hopper, 2 cement weighers, 2 aggregate weighers, 1 water weigher, and 4 admixture weighers (12 compartments).
- **Mobile Batching Plants:** Install 10 mobile batching plants in Saudi Arabia for BIN LADEN COMPANY's projects in Bahra, Mouzdalifa, Riyadh, and Rabekh.(2007-2009)
- **Plant Maintenance:** Perform maintenance on batching plants, including mechanical, electrical, electronic, and pneumatic systems.
- **Plant Accessories:** Manage and maintain plant accessories such as material washing machines, chillers, water pumps, and material vibrators.
- **Weighing Systems:** Maintain and calibrate computer weighing systems, including load cells, weighbridges, and electronic weighing systems.
- **Water recycling machines.** Manufacture a treatment machine for industrial wastewater at RMB and Decom sites. (Repair and maintenance).
- **Power Distribution:** Construct power distribution panels ranging from 800A to 1000A.
- **Electric Control Panels:** Design and construct electric control and power panels for crushers in Suez (2007 and 2015-2016).
- **Electric System Renewal:** Redraw and renew the electric systems for multiple concrete machines across RMB sites.

Generators & Chillers

- **Generator Maintenance:** Service generators, including mechanical, electrical, and safety systems (e.g., speed controllers, AVR, and ATS systems).
- **Electric Panel Renewal:** Renew electric panels for various generator models (e.g., CAT, Komatsu, Cummins, Perkins).
- **Chiller Maintenance:** Manage chiller maintenance, including refrigerant leak detection, troubleshooting, and commissioning for brands such as Carrier, Trane, KTI, and York.

Concrete Pumps

- **Electric System Renewal:** Update electric systems for older concrete pumps, including implementing new wireless remote-control systems (e.g., SCHWING PUMPS).
- **Repair and Maintenance:** Perform repair and maintenance work on electric and pneumatic equipment.
- **Advanced Systems:** Integrated automatic high-pressure washing system for mixers, and dust and filter systems.

Education



**Bachelors of Industrial Engineer
and Maintenance**
Lebanese National University
Class of 2000

Languages

- **Arabic**
- **French**
- **English**

Programming Skills:

Software:

- Microsoft Word
- Microsoft Excel.
- Microsoft PowerPoint
- AutoCAD.
- Vehicle Fleet Manager
- Board Maker.
- EAGLE
- Circuit Maker
- MOLLER(PLC)
- EcoStruxure Machine for M221 Schneider PLC.
- SUCOSOFT(PLC)
- VIJEO DESIGNER (TOUCH SCREEN)
- EASY SOFT(PLC)
- ZELIO SOFT(PLC)
- TWIDO SUITE (PLC)