



Oussema Chahem

Industrial Engineer

Strong technical, and interpersonal skills for working in a team and successfully completing a project.

✉ chahem.oussema@gmail.com

☎ +4915566094887

📍 Braunschweig, Germany

WORK EXPERIENCE

Manufacturing Process Improvement Engineer Next e.Go Mobile

09/2023 - Present

Aachen, GERMANY

Achievements/Tasks

- Establishment of the micro factory concept for electric cars and creating the necessary Step-by-Step Process of Manufacturing a new electric car.
- Developing programs and methods to optimize productivity and reduce the cycle time, manufacturing losses and overall costs.
- Support the product development process by assisting the involved teams to ensure successful product launches.
- Work with suppliers to perform new or modified component validations as applicable, determine the requirements and direct any upgrades to the existing tooling.
- Training employees in the operation and maintenance of newly installed or modified electrical or mechanical equipment.
- Choosing and qualifying external contractors to perform repairs, calibration and equipment installations.
- Implement Poka yoke work methods and develop workstation aids to assist in operation job performance.
- Keywords: Yokoten, Kaizen activities, Poka-Yoke, Lean manufacturing, JIT, 5s, Body-shop and assembly lines, QRQC.

Process Improvement Engineer IPMA GmbH

01/2020 - 08/2023

Wolfsburg, GERMANY

Achievements/Tasks

- Analyzing the value stream of the assembly line in Hyundai Brazil and detecting the different problems to be resolved.
- Implementing a digital quality control system using cameras to reach the KPIs targets of the assembly line in Hyundai Brazil.
- Investigate supplier quality issues to determine root cause, identify and implement corrective actions, drive long-term preventative action.
- Maintain the Coordination between production, quality and maintenance activities in OPEL Rüsselsheim Germany.
- Determination of project responsibilities by identifying project phases and elements along with monitoring project progress / Performance against project plans and requests.
- Keywords: Lean management, KAIZEN, SMED, Visual management, Industry 4.0, 5S, VSM, QRQC.

EDUCATION

Industrial Systems and Logistics Engineering, The National Engineering School of Carthage, Tunis.

09/2014 - 06/2017

Tunis, TUNISIA

Pre-engineering diploma, Preparatory Institute for Engineering Studies.

09/2011 - 06/2014

Tunis, TUNISIA

Baccalaureate in Experimental Science, High school of Ben Arous.

09/2007 - 06/2011

Ben Arous, TUNISIA

INTERNSHIPS

Simulate different scenarios for future problems in the industry in order to develop corrective or preventive measures, Internship at Rajamangala University of Technology Phra Nakhon, Bangkok, Thailand (08/2016 - 09/2016)

This internship was carried out by a unit of academic research; it was intended to deal with real problems proposed by companies using simulation. keywords: Kanban, SPAD, ARENA, production line.

Improving the productivity of a production line, Internship at VALEO Ben Arous, (06/2016 - 07/2016)

This internship aimed to improve the status of a production line through the realization of a Muda-Hunting site. Keywords: Muda, 5'S, Takt Time, Cycle Time, Lay-out, Bottleneck.

Organization of the Production Process of the Company, Internship at LA TUNISIE MECANIQUE (LTM). (07/2015 - 08/2015)

This internship was conducted at LTM. Our goal was to study the existing and conclude the weakness and strength of the production system, then arrange the fabrication unit of the company. Keywords: production processes, workflow, assembly, FIFO.

SKILLS

Scheduling System: LEKIN Simulation:



Witness, ARENA.



Programming Languages:
C, VB.NET, MATLAB.



Data Analysis: SPAD. ERP :



SAP



WORK EXPERIENCE

Continuous Improvement Engineer

Asahi-Thai Alloy Co Ltd

01/2018 - 11/2019

Samut Prakan, THAILAND

Achievements/Tasks

- Development of the process referring to TOYOTA production system.
- Troubleshooting quality issues with the production lines and training about problem resolution tools.
- Assist the project management, engineering and cost controls to deliver regular time schedule and simple monitoring of the project information.
- Maintain and control the production system via time studies and line balance to improve the process efficiency and to support capacity planning.
- Establishment of the operating modes and machines standards.
- Keywords; Toyota production system, lean manufacturing, JIT, Kaizen, KANBAN, 8D, VSM, 5S, FMECA.

Method Engineer: End-of-studies project

VALEO BEN AROUS

02/2017 - 08/2017

Tunis, TUNISIA

Achievements/Tasks

- Making the production line CALVE PSA able to align with the increase in customer demand (PSA FRANCE).
- Update the layout or the production lines using specific algorithms.
- Monitor full Day Production Run in order to validate the new process or new products.
- Keywords: HOSHIN, ERIM, Duplication, R&R test.

INTERESTS

Music

Swimming

Traveling

Road trips

LANGUAGES

English



French



Arabic



German



Spanish



Thai



OTHER PROJECTS

Modeling in order to evaluate the Performance of a Kanban System. (02/2016 - 05/2016)

- This project aims to study the weakness of a Kanban system based on a simulated model. Keywords : ARENA, Kanban, Just in time.

Design and Development Project to manage a travel Agency. (11/2015 - 02/2016)

- Our work consisted of building an application for managing all the tasks performed in a travel agency keywords : JAVA, MySQL.

International logistics and its stakeholders (02/2015 - 04/2015)

- Based on a case study at the Company SOLUTIONS COMPOSITES, we aimed to define precisely the role and the responsibilities of each contributor in the logistic chain of an exporting and importing company. Keywords: logistics process flow management, supply chain.