

Israel Cohen

✉ isrcohen@gmail.com

🏠 Ashkelon

in www.linkedin.com/in/Israel-Cohen12

📞 054-9997854

System engineer with 10 years of experience in a multi-disciplinary environment in the defense industry. Experienced in managing engineering teams and processes. Proven ability to lead multiple projects simultaneously. Strong leadership and interpersonal communication skills.

Education:

- 2021 - M.Sc. Systems Engineering, Afeka Academic College of Engineering
- 2011 - B.Sc. Mechanical Engineering, Afeka Academic College of Engineering
- 2002 - Mechanical Practical Engineering, IAF Academic College

Professional Experience:

2015 - Present: Mechanical Design Team Leader, Aerospace Division, Elbit Systems

- Managing the mechanical team in R&D projects
- Responsible for the research and development of simulators and mechanical/electro-mechanical systems for military (air and land) from needs analysis to implementation
- Managing 1M\$+ work programs in an agile environment
- Operating and managing sub-contractors for mechanical design, analysis, and laboratories in accordance with **PIDS**
- **Needs analysis**, Characterization and identification of customer needs according to surveys and writing system characterization
- Experience with writing technical specifications (SOW), performing and leading preliminary and detailed design surveys (PDR / CDR)
- Leading optimization processes for production and procurement (also in **FMF**)
- Managing the engineering data in **EPDM/PLM (Teamcenter)** data bases
- Experience managing in a matrix structure company and worked closely with procurement, logistics, production and quality assurance departments
- Developing the physical architecture for multidisciplinary systems
- Acting as technical POC for international sub-contractors and customers

2014 - 2015: Mechanical Development Engineer, Aerospace Division, Elbit

Systems

- Mechanical Design of Land and Air Simulators
- Characterization, development for cockpits and AFV platforms, based on I/O systems
- Responsible for project implementation from characterization phase to NPI
- Performed design in Solidworks and NX.
- Extensive experience in reverse engineering, scanning and additive manufacturing
- In-depth knowledge of manufacturing technologies; sheet metals, machining, electromechanical, cases, welding and PCB
- Designing mock-up systems and manufacturing them using 3D printing
- Conducting mechanical strength feasibility tests using simulation software
- Working in compliance with military standards - MILSTD810

2009 - 2014: Project Manager, H.Klein (Heavy Trailer Vehicles)

- Managed projects of 60M+ Shekel in Israel and abroad from initiation to delivery to customer
- Managed the development, production, purchasing and quality assurance according to project schedule and budget
- Preparation of quotation for new projects (evaluation of development hours, procurement costs, production costs)
- Identified project risks and implementing mitigation actions
- Leading process optimization for production and procurement
- Defined requirement for the engineering team based on customer needs
- Multiple interfaces with the Israeli Standards Institute, the (MOT) Ministry of Transportation and the Technion licensing and compliance with standards

2007 - 2009: Mechanical Design, RMH (Dynamic/Static Large Scale Mixers).

- Mechanical design for tanks, mixers, assemblies mounted on trailers and trucks using SolidWorks
- Management of engineering changes in products (**ECO/ECR**), BOMS for production
- Acted as company POC with the Israeli Standards Institute - vehicle department

2005 - 2007: NPI Engineering, Reshafim Doors.

- **NPI** of new products including definition and design of required infrastructure for production, BOM, route card and process definition
- Implementation of new machinery and automated production lines
- Performed statistical analysis in order to improve the manufacturing process and reduce production cost

Software Skills:

MS - OFFICE, PLM - TEAMCENTER, JIRA, ACTION-BASE, MS-PROJECT, SOLIDWORKS, GENESYS, CATIA, NX

Military Service:

2002 - 2005: Commander, Israel Air Force

- Command and training of 30+ soldiers in technician/engineering courses at IAF 21 base

Languages:

English - Fluent

Hebrew – Native Speaker