Reza AZADEGAN

Personal Information

Surname / First name	AZADEGAN / Reza
Nationality	Iranian
Marital Status	Married
Phone	(+)989143453442
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Education Background

2021-Date
Enrolling DBA program in Information Technology Management and Digital Transformation in Tehran University

2019-2020
IBM Professional Data Science program enrolment:
1) Data Analysis with Python;
2) Data Visualization with Python;
3) Databases and SQL for Data Science with Python;
4) Python for Data Science , AI & Development;
5) What is Data Sience;
6) Data Science Methodology;
7) Tools for Data Science.

2018
Aircraft Operation and Maintenance Post-Master Degree, ESTACA Engineering School (Group ISAE), Paris

2006
MSc Mechanical Engineering, Urmia University, Urmia (Thesis: Discrete Event Simulation of Aircraft Engine Overhaul Process)

2003
BSc Aircraft Maintenance Engineering, Civil Aviation Technology College, Tehran

Industrial Experience

2018-Date
Chief Technology Officer, PAMCo, Iran Branch (www.pamco.ir)

2019-Date
Asset Performance Management Software development project manager:
Since 2019 we are developing an enterprise level "Asset Performance Management (APM) Software Suite". I have been fully involved in design, development, test, and industrial implementation of all the following modules:
1) Asset Registry;
2) Work Management;
3) HR Management ;
4) Materials Management;
5) Dashboard;
6) Asset Prioritization Analysis;
7) Asset Condition Assessment;
8) Reliability Centered Maintenance;
9) Root Cause Analysis;
10) Life Cycle Costing;
11) Risk Based Spares;
11) Statistical Failure Analysis and PM Optimization;
12) Reliability and Availability Simulation;
13) Risk Based Inspection.

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2012 – 2017 Maintenance and Reliability Consultant in PAMCo: Leading reliability and maintenance projects including:
- EAM Software Design, Implementation and Re-implementation
- Predictive and Preventive Maintenance Optimization
- Reliability Centered Maintenance (RCM)

- Root Cause Failure Analysis (RCFA)
- Maintenance Key Performance Indicators Development
- Maintenance Planning & Scheduling Optimization
- Overhaul Process Optimization
- Spare Parts Optimization
- Asset Management and Life Cycle Solutions

2007 - 2012 Aircraft Engineer at Iranian companies: ASB Aviation Industries and Ata Airlines (Boeing MD-80 and Airbus A320 Families)

2014 - Date Scientific committee member of 8th, 9th, 10th, 11th, 12th, 13th, 14th, and 15th International Physical Asset Management Conference, Tehran

2008 - Date Scientific committee member of Industrial Simulation Conference by EUROSIS since 2008

Publications and Presentations

Azadegan, R. Shahheidar, B. (2021). Computer Aided Reliability Centered Maintenance (RCM), Presented in Reliability Projects Summit in Tehran on August 1st, 2nd, 2021.

Azadegan, R. Hoseinian, L. (2021). Computer Aided Root Cause Analysis (RCA), Presented in Reliability Projects Summit in Tehran on August 1st, 2nd, 2021.

Azadegan, R. Shahheidar, B. (2021). Information Foundation for Physical asset Management, Looking to the Future (presentation), 15th IPAMC Virtual Conference. Tehran, Iran

Azadegan, R. Hoseinian, L. (2021). Benchmarks in using CMMS/EAM Software (presentation), 15th IPAMC Virtual Conference. Tehran, Iran

Zuashkiani, A. Azadegan, R. Behboodi, M. (2020). Risk Based Spare Parts, Analytics and Software (presentation), 14th IPAMC Conference. Tehran, Iran

Azadegan R. (2018) RCM Case studies in Iranian water treatment companies (presentation), 13th IPAMC Conference, Tehran, Iran

Azadegan, R. (2016) An Overview to Performance Based Maintenance Contracts (keynote speech), 11th IPAMC Conference, Tehran, Iran

Azadegan, R. Khaleghi, A. Kaviyani, R. Masoumi, H. (2015) Jack Knife Diagram, a Powerful Tool for Failure Analysis, with a Case Study on V94.2 Turbo Generators. Physical Asset Management Magazine (in Farsi), 1(2), 20-27

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Azadegan, R. Behfar, A.R. (2015) A Case Study in Preventive Replacement of the Hoist Cable of P&H Shovels in Sarcheshmeh Copper Mine. Physical Asset Management Magazine (in Farsi), 1(1), 14-19

Azadegan, R. Khaleghi, A. (2015) Reliability Centered Maintenance Case Studies in Iranian Industries (presentation), 10th IPAMC Conference.Tehran, Iran

Zuashkiani, A. Azadegan, R. (2014). Root Cause Analysis Case Study in Fajr Jam Gas Refinery (presentation), 9th IPAMC Conference. Tehran, Iran

Zuashkiani, A. Azadegan, R. (2014). Reliability Centered Maintenance Fundamental Structure (presentation), 9th IPAMC Conference. Tehran, Iran

Azadegan, R. Esmaeli, M.R. (2013). Best Observed Practices in Physical Asset Management Evaluation of Iranian Industries (presentation), 8th IPAMC Conference. Tehran, Iran

Zuashkiani, A. Azadegan, R. (2013). An Introduction to Apollo Root Cause Analysis (presentation), 8th IPAMC Conference. Tehran, Iran

Azadegan, R. Solimanpur, M. (2006). Developing a Framework For Discrete Event Simulation of Aircraft Piston Engine Overhaul Procedures. In Proceedings of MESM Conference. Alexandria, Egypt

Azadegan, R. Solimanpur, M. (2006). Using Physics of the System in Verification and Validation of Simulating Overhaul Procedures of a Typical Aeroengine. In Proceedings of MESM Conference, Alexandria, Egypt

Azadegan, R. Solimanpur, M. (2006). Analyzing Overhaul Cycle Time of a Typical Aeroengine Obtained from Simulation. In Proceedings of MESM conference, Alexandria, Egypt

Azadegan, R. Pursafar, A. Heydari, N. Mohammadlou, T. Zarifkar, B. (2006) Effect of welding Type on Intergranular Corrosion Behavior of AISI304 Stainless Steel in Food Processing Machines. In Proceedings of AMPT Conference. Las Vegas, USA

Books   Currently working: Zuashkiani, A. Azadegan, R. Hoseinian, L. Computerized Asset Management and Support systems.

Zuashkiani, A. Azadegan, R. Varmazyar, M. (2019). Root Cause Analysis. Aryana Group Publication. Tehran (In Farsi)

Zuashkiani, A. Azadegan, R. Rabee, M. (2015). Maintenance Storeroom and Spare Parts Management. Aryana Group Publication. Tehran (In Farsi)

Translation to Farsi: "Reliability-Centered Maintenance" by John Mubray. As the co-translator of Dr. A. Zuashkiani. Aryana Group Publication. Tehran (2010)

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Certificates

Jul 2017	English Language: IELTS 8
Mar 2013	RCM Analyst Certificate (Aladon Network)
Nov 2011	Boeing MD-80 Airframe FAM (Ata Airlines)
Nov 2011	Human Factors (Priority Aero Maintenance)
Nov 2011	Fuel Tank Safety (Priority Aero Maintenance)
Apr 2011	Certificate of Attendance: Rotax 912 Aero-Engine Familiarization, Service and Line-maintenance workshops
Feb 2003	Aircraft Maintenance License (A&P Rating) from Iranian Civil Aviation Organization