

SAMIRODEEH

ENGINEERING SOLUTIONS

Progressive Reliability Centered Maintenance RCM Level II *Strategies & Methodologies*

On 16-20 Dec, 2018 in Jeddah, KSA



About Samir Odeh

Our goal is simple; to be the leading provider of automotive and industrial spare parts. We believe that at the core of every challenge lies new opportunities, it is within those opportunities that we find new grounds to succeed and grow. We endeavor to find new ways to further enhance and expand our business and services while offering our clients an unrivalled standard of service.



Automotive Parts

Automotive transport plays a huge role in every business, disruptions can create inefficient and costly gaps in productivity that could result in unwanted repercussions for you and your clients. It is for this reason that we are so well equipped to handle any parts related issue, giving you the confidence you need to get back on the road in a timely and cost-effective fashion.



Industrial Parts

Industrial sector is renowned for its high demand for efficiency, often putting a lot of strain on used machinery, it is for this reason that having a safety net is of pivotal importance. Being able to quickly exchange damage or faulty parts ensures that your business keeps moving. At Samir Odeh, we have all of the parts you'll need to confidently push forward at full steam, knowing that all of your spare part needs are entirely catered for. We cover all major industrial applications including oil and gas, cement, steel and beyond.



Samir Odeh Condition Monitoring (SOCM) Service

Samir Odeh is the first parts distributor in the Middle East to Incorporate Condition Monitoring into their service portfolio as an additional value proposition for our esteemed clients.



Samir Odeh Engineering Solutions

SOES provides extensive Technical Engineering & Human Resource Management specialized corporate training across the Middle East and beyond. Amongst our Training options includes both In-House and Public Training Courses.

We have tailored In-House Solutions for our clients aimed at helping them achieve short-term training wins or long-term strategic requirements.

Timeline

- 2018
50 Years Anniversary
- 2017
Jordan New Facility
- 2016
Salalah Branch
- 2016
Launch of SOCM
- 2015
SAP HANA Software
- 2013
SAP Software
- 2012
Sohar Branch
- 2008
Sitra Branch
- 2007
Kuwait City Branch
- 2006
ISO Certification
- 2005
Muscat Branch
- 2004
Doha Branch
- 2000
Manama Branch
- 1998
Oracle Software
- 1992
Abu Dhabi Branch
- 1988
Jebel Ali & Dubai Branch
- 1972
Dammam Branch
- 1970
Jeddah Branch
- 1968
Riyadh Branch



SO Training Service Segments

In-House & Public



Mechanical Engineering



Electrical Engineering



Reliability & Maintenance



Instrumentation & Control Engineering



Oil & Gas Engineering



Project Management



Supply Chain Management



Health & Safety



Human Resources



Finance & Budgeting

The Sectors We Serve

For over 50 years, we have been a trusted supplier to countless clients across the globe, keeping governments and private institutions running for the benefit of their employees and customers. We have the technical knowledge coupled with the highest quality products to aid any sector of operation.





Progressive Reliability Centered Maintenance RCM Level II

COURSE OVERVIEW:

Reliability Centered Maintenance (RCM) is a process used to determine what must be done to ensure that a physical asset (Machine – production stage – etc.) continues to do what its users want it to do in its present operating context, for the longest possible period, and at the highest possible efficiency. It poses the following questions:

- What do its users want it to do?
- In what ways can it fail?
- What causes it to fail?
- What happens when it fails?
- Does it matter if it fails?
- Can anything be done to predict or prevent the failure?
- What if we cannot predict or prevent the failure?

RCM has a long and rich history of success in improving asset performance for industries and companies around the world and in many different industries. With so many different ways to follow how can a company interested in adopting RCM determine what approach to take? RCM II is the more rigorous development of RCM.

In this course participants will learn from about RCM's history and its founding principles. We will gradually build a maintenance system based on RCM principles. Interactive sessions simulating an RCM analysis will provide participants with some appreciation of the RCM process and its relation to other maintenance methodologies. Case studies will be presented throughout the course to relate to practical side.

COURSE OBJECTIVE:

- Make operating plant and equipment more Reliable and Available for utilization to reach to Optimization Condition.
- Audit Operational and Maintenance Performance to identify Improvement Opportunities.
- Design Optimum Maintenance Strategies for in-the-field Plant, Equipment, and Sub-systems.
- Make proper use of RCM results to deliver the High Performance Maintenance Activities.
- Identify a clear approach to Reliability improvement for both Fixed Plant and Moving Equipment.

Awareness Training

Certified Training

Customized Training



Progressive Reliability Centered Maintenance RCM Level II

COURSE LANGUAGE:

The Presentation, supplied documents, and workshop exercises of the course are in English

COURSE DURATION: FIVE DAYS

PERSONAL IMPACT:

- To enable delegates to understand the underlying principles of failure analysis and the identification of failure modes and causes and the associated risks.
- To enhance the understanding of delegates of how to implement site and organization wide in the shortest possible time frame without sacrificing the integrity of the process and still enjoy the long-term benefits of the process.

WHO SHOULD ATTEND?

- General Managers
- Plant Managers
- Operations, Engineering and Maintenance Managers
- Senior / Junior Operations and maintenance Engineers
- Senior Technicians with potentials for higher responsibilities in Maintenance Management



Awareness Training

Certified Training

Customized Training



Progressive Reliability Centered Maintenance RCM Level II

COURSE OUTLINE:

Module (01) Background

- Introduction
- Historical Evolution of RCM
- RCM II vs RCM
- Reliability Centered Maintenance Goals
- Types of Maintenance

Module (02) Understanding Failures

- Failure
- System and System Boundary
- Function and Functional Failure
- Failure Modes
- Failure Characteristics
- Preventing Failure

Module (03) RCM foundation: Root Cause Analysis, RCA

- Chronic vs. Sporadic Problems
- What RCFA is and why it is done?
- 7 Generic Steps in an RCFA
- Failure Analysis Methods
- FMEA Procedure
- The Ishikawa Diagram
- Fault Tree Analysis
- Pareto Charts

Module (04) The RCM Process

- Building RCM process
- RCM Decision Diagrams
- Implementing RCM recommendations

Module (05) Other RCM Program

Components

- Work place organization: 5S and Visual Management
- Statistics in Maintenance
- Specifications for New/rebuilt Equipment
- Precision Installation
- Failed-Part Analysis
- Rebuild Certification/Verification
- Age Exploration
- Recurrence Control

Module (06) Putting it into action:

- Maintenance Planning & Scheduling
 - Measuring workload
 - Planning Principles
 - Scheduling Principles
 - Periodic Maintenance Scheduling (Daily – weekly – other)

Module (07) Checklists for RCM Quality Assurance

- Planning
- Design
- Construction
- Equipment Procurement
- Maintenance and Operations

Module (08) Measuring your progress: Key Performance Indicators (KPIs)

- Selecting Key Performance Indicators
- Rules to follow in applying metrics
- Effective usage of Dashboards
- RCM Metrics

Module (09) RCM relation to other Maintenance Methodologies

- Total Productive Maintenance (TPM) Basics
- Maintenance outsourcing
- Documentation excellence for RCM



Progressive Reliability Centered Maintenance RCM Level II

COMMERCIAL PART

COURSE FEE INCLUDES THE FOLLOWINGS:

Course Fee : SAR 3750 Saudi Riyal (08 participants)

- Design, Preparation and Presentation of Training Materials
- Course Training Handouts for all Participants
- All Training Administration
- Attendance Certificates Issuance to all participants
- Training Venue: Hotel with coffee breaks and lunch
- Instructor: Air Ticket, Hotel, Prof.Fees

TERMS & CONDITIONS:

- Cancellation within five Working Days - 100% of fees.
- Cancellation within seven Working Days - 90% of fees.
- Cancellation within ten Working Days - 75% of fees.
- Cancellation within fifteen Working Days - 50% of fees

ADDRESS & CONTACT DETAILS:

Samir Odeh Engineering Solutions
P.O. Box 12991
Airport Road, Dubai, UAE
Phone: +971 42821762
Fax: +971 42821762
Email: info.service@sosgroup.com
Website: www.samirodeh.com

Training Instructor:

Eng. Moataz Gomaa is a Consultant and Trainer in the fields of Maintenance Management systems and Technical Operations. His experience of twenty years, up to Technical Manager positions in several projects, covers several technologies in Industrial Automation, Electromechanical Engineering, Information Technology and Technical Training. He got his B.sc in Electrical Engineering in 1992 and his post graduate studies in Management from the American University in Cairo in 2003. He is CAPM certified and holder of Dale Carnegie "Art of Training" certification.



**Maintenance
Management Trainer**

Awareness Training

Certified Training

Customized Training

COMPETENCE DEVELOPMENT - TRAININGS

Professional knowledge transfer in compliance with standards.

The training programs of SAMIR ODEH are offered jointly with the independent SECTOR Certification centers, of MOBIUS INSTITUTE and the SCHAEFFLER GROUP, are completed with an accredited certificate.

Training and certification are in accordance with DIN ISO 18436 2, have been proven to be professionally competent, in compliance with legal as well as normative requirements and at the highest possible level internationally.



SAMIRODEH
ENGINEERING SOLUTIONS

Our Global Reach

Equipped To Assist You However We Can



KSA UAE BAHRAIN OMAN OATAR KUWAIT JORDAN ITALY GERMANY

info@samirodeh.com

www.samirodeh.com

