

ABOUT

Develop maintenance strategies utilizing Reliability-centered maintenance (RCM) principles.
 Provide training on Reliability and Asset Management essentials.
 Support development of Engineering procedures and standards.
 Provide support and guidance on strategies for the implementation of Industry 4.0 technologies.
 Develop effective equipment Bill of Materials (BOM), balancing risk, cost and performance.
 Provide guidance on building cross functional relationship synergies.

ALLEN ACTIVITIES

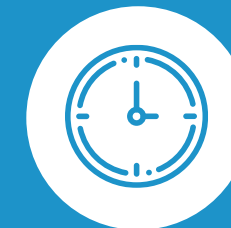
- Creating system and equipment maintenance task lists.
- Assembling effective equipment bill of materials (EBOM)
- Facilitating Reliability FMECA's and Preventive Maintenance Optimization exercises.
- Developing Project Specific Procedures (PSP)
- Research and investigate providers of Predictive Maintenance technologies suitable for an Industry 4.0 implementation.
- Provide expert guidance on 3D accessibility assessments.
- Perform RAMS study during the construction phase to ensure maintenance activities can be performed safely and effectively
- Determine an appropriate plan of action where accessibility and safety risks are identified, either through design improvements, additional time allocation, special tools & lifting devices

STANDARDS & TOOLS

ISO 55000 Asset Management
 ISO 14224 Collection and exchange of reliability and maintenance data for equipment
 ISO 31000 Risk management
 ISPE GPG - Maintenance
 ISPE GPG – Applied risk management for commissioning and qualification
 ICH Q9 Quality Risk Management
 RCM II Reliability-centered maintenance



5 Engineers



Since 2018



Toronto (Canada)



Managed Services

ALLEN ADDED VALUE

- ▶ Maintenance programs created using Reliability principles.
- ▶ Maintenance teams coached on failure elimination theory, methods and techniques.
- ▶ Standard approach to Maintenance activities.
- ▶ Prepared for the introduction of Industry 4.0 technologies and ways of working.
- ▶ Team assembled with various level of experience going from Junior/Fresh out of school engineers to seniors with 30+ years of Pharmaceutical engineering experience.
- ▶ Cost & Work allocation optimization