TOC – OT Asset management

Prerequisites for the Course

- **Basic Understanding of IT and OT Systems:** Familiarity with the fundamental concepts and differences between Information Technology (IT) and Operational Technology (OT).
- **Technical Background:** Knowledge of networking, industrial control systems, and basic cybersecurity principles.
- **Experience in Asset Management:** Previous experience or exposure to asset management practices, particularly in an industrial or technological setting.

Day 1

1. **Introduction to OT Asset Management**
   - Definition and Importance
   - Key Components and Objectives
2. **Understanding Operational Technology (OT)**
   - Differences Between IT and OT
   - Common OT Systems and Devices

Day 2

3. **Building an OT Asset Inventory**
   - Purpose and Benefits of Asset Inventory
   - Key Components of an Effective Inventory
     - Hardware
     - Software
     - Network Details
     - User Accounts
     - Configuration Settings
4. **Data Collection Techniques**
   - Manual vs. Automated Data Collection
   - Best Practices for Accurate and Comprehensive Data

Day 3

5. **Asset Lifecycle Management**
   - Stages of the Asset Lifecycle
   - Strategies for Effective Management
6. **Risk Management and Compliance**
   - Identifying Vulnerabilities in OT Assets
   - Compliance Standards and Regulations
   - Implementing Security Measures and Controls

Day 4

7. **Maintenance and Monitoring**
   - Preventive Maintenance Practices

- o Real-time Monitoring Tools and Techniques
- o Incident Response and Management
8. **Case Studies and Real-world Applications**
   - o Successful OT Asset Management Implementations
   - o Lessons Learned from Industry Leaders

Day 5

9. **Future Trends in OT Asset Management**
   - o Emerging Technologies and Their Impact
   - o Industry 4.0 and OT Asset Management
10. **Conclusion and Review**
    - o Key Takeaways
    - o Continuous Improvement Strategies