Andea GUIDE: MES/MOM UPGRADE

Loading...

HOW TO UPGRADE?

1. Assess
- Scope
- Effort
- Timeline

2. Plan
- People
- Budget
- Schedule

3. Upgrade
- Tech Upgrade
- Guidelines
- Checklists

4. Schedule
- Detailed cut-over Schedule

5. Go Live

HOW TO UPGRADE?

Step 1 ⟶ **1. Assess**

Actions

- **Perform Assessment of**
  - Environments
  - MES Application
    - Functionality
    - Customizations
  - Database

Results

- **Assessment Report**
  - Upgrade Scope
  - Effort Estimation
  - Timeline

Did you know?

- **Upgrade effort can range from 30 - 300 Mandays and is dependent on:**
  - Source and target version
  - Amount of customizations
  - Data size
  - Solution complexity
  - Number of production sites

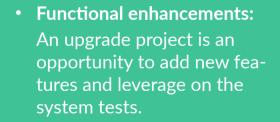- **Andea can help you perform an upgrade assessment at a fixed price in just a few weeks**

HOW TO UPGRADE?

Step 2 ....→ **2. Plan**

Actions

- **Identify Benefits**
- **Define the Upgrade Team**
- **Engage Internal Resources**
- **Prepare Project Plan**

Results

- **Business Case**
- **Approved Budget**
- **Mobilized Teams**
  - Internal / External
- **Agreed Schedule**

Don't miss the opportunity!

- **Functional enhancements:** An upgrade project is an opportunity to add new features and leverage on the system tests.

- **Testing approach:** Platform upgrade may require refactoring of some parts of the MES application. That may require partial or full regression tests. Automation of the tests could be considered as a part of the project.

HOW TO UPGRADE?

Step 3 .... **3. Upgrade**

Actions

- **Technical Upgrade**
  - Set up a Sandbox
  - Upgrade DB engine and OS
  - Upgrade DB structure
  - Upgrade the platform
  - Correct the MES application issues
- **Implement Functional Enhancements**
- **Perform System Testing**

Results

- **Upgraded System**
  - DB, OS, Platform
  - Operational MES App
  - New Features
- **Documentation**
  - Upgrade Guidelines
  - Checklists

HOW TO UPGRADE?

Step 4 ·········→ **4. Schedule**

Actions

- **Prepare Detailed Schedule**
  - Hour-by-hour plan around the downtime period
  - Assign actions to people
  - Coordinate all the engaged teams

Results

- Cut-over Schedule
- Rollback Plan

→ *Happy Weekend!*

- Upgrades are typically scheduled for the weekend
- Factories operating 24/7 have a few downtime periods a year: be aware of concurrent projects
- Downtime period can be as short as one shift

HOW TO UPGRADE?

Step 5 → **5. Go Live**

Actions

- **Execute the Cut-over Plan**
- **Hypercare (1-2 weeks)**
  - Monitor Performance
  - Knowledge Transfer to Support

Results

- **Upgraded and working solution**
- **Final PM Report**
  - Budget and Schedule Summary
  - Lessons Learned

Summary

✓ **Do not underestimate the effort and complexity of Apriso upgrade**

✓ **Assign an experienced team to complete the upgrade**

✓ **Start the upgrade project with adequate assessment**

✓ **Staff the project sufficiently**

✓ **Do not miss the chance to enhance the functionality during the technical upgrade**

✓ **Do not go overboard with new functional enhancements**

✓ **Communicate and synchronize the upgrade schedule with relevant third-parties**

Andea

GUIDE

www.andea.com