

AMR Deployment Checklist



1. Workflow Selection

- Identify one repetitive material transport workflow
- Confirm the route has clear start and end points
- Count average trips per shift
- Estimate average manual trip time
- Identify materials being transported
- Confirm load size, weight, and handling needs
- Assign a workflow owner

2. Facility Readiness

- Walk the proposed route
- Identify narrow areas and turns
- Mark high-traffic intersections
- Identify temporary obstacles
- Confirm floor surface is suitable
- Review doorways, elevators, or restricted areas
- Define no-go zones
- Define speed-sensitive zones

3. Robot Configuration

- Select the correct C2 configuration
- Choose shelves, trays, drawers, baskets, or organizers
- Confirm loading and unloading process
- Define waypoint names
- Configure route behavior
- Set return-to-base behavior
- Confirm charging location
- Configure Cloud Connect® access if applicable

4. Operator Training

- Train operators on dispatching
- Train operators on loading
- Train operators on emergency stop or pause
- Explain blocked-path behavior
- Train supervisors on monitoring
- Create internal support process
- Collect first-shift feedback

5. Pilot Validation

- Complete unloaded route test
- Complete loaded route test
- Complete multi-stop route test
- Observe robot during normal traffic
- Track delivery count
- Track time saved
- Document route issues
- Approve workflow for daily operation

6. Scale Planning

- Identify next route
- Review ROI estimate
- Decide whether to add more waypoints
- Decide whether to add more robots
- Evaluate integrations with ERP, WMS, MES, elevators, or doors
- Schedule follow-up optimization review