



# Municipal Waste Collection and Street Cleansing Course: Routes, Fleets and Contracts

4 – 8 October 2027

Barcelona - Eixample district four-star



## Municipal Waste Collection and Street Cleansing Course: Routes, Fleets and Contracts

**Ref:** 1721\_26782 **Date:** 4 – 8 October 2027 **Location:** Barcelona - Eixample district four-star **Fees:** 23500 SAR

### Introduction:

Municipal waste collection and street cleansing, covering routes, fleets and contracts, is a 5-day course for municipal cleansing managers, collection contractors, fleet and depot supervisors and contract monitoring teams that ends with a District Collection and Cleansing Improvement Plan. Missed bins, unbalanced rounds, dirty hotspots and contracts that pay for hours rather than results waste budgets and erode public confidence. Nominees already supervise daily rounds, sweeping crews, depots or service contracts, and they work through case files of round sheets, fleet logs, inspection scores and complaints. CoreConcept Training Center delivers this municipal waste collection and street cleansing course.

### Course Objectives:

- Define bin provision, collection frequency and cleanliness service levels for residential, commercial and high-footfall areas
- Redesign collection rounds and sweeping beats using vehicle routing logic, lift rates and tip distances
- Size and select collection vehicles and sweepers to match waste density, street width and service frequency
- Run depots and fleets with shift start checks, preventive maintenance plans and vehicle availability tracking
- Monitor performance-based cleansing contracts with output specifications, joint inspections and deduction mechanisms
- Turn complaint, missed collection and street survey data into targeted operational fixes for a district

### Target Audience:

- Managers responsible for municipal refuse collection and street cleansing operations in a city or district
  - Contractor operations managers accountable for delivering collection and sweeping services under municipal contracts
  - Fleet and depot managers responsible for collection vehicles, sweepers, workshops and crew deployment
  - Contract monitoring managers who inspect cleansing performance and apply contract deductions
  - Service planning managers who design rounds, beats and resource levels for cleansing services
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## **Course Outline:**

### **Day 1: Collection and Cleansing Service Baselines**

- Refuse Collection Service Chain From Bin to Disposal Site
- Street Cleansing Service Types Covering Sweeping, Litter Picking and Washing
- Bin Provision Ratios, Container Sizes and Placement Rules
- Collection Frequency and Service Level Definition Matrix
- Current-State Operations Baseline Using Tonnage and Crew Data

### **Day 2: Routing Models, Vehicle Types and Cleanliness Grading**

- Capacitated Vehicle Routing Model for Collection Rounds
- Arc Routing Logic for Street Sweeping Beats
- Rear Loader, Side Loader and Front Loader Selection
- Mechanical Broom, Vacuum and Regenerative Air Sweeper Comparison
- Litter Cleanliness Grading Scale and Street Survey Method

### **Day 3: Daily Collection, Sweeping and Depot Operations**

- Round Balancing Using Lifts per Hour and Payload
- Vehicle Sizing Calculation From Waste Density and Tip Distance
- Manual Sweeping Beat Design and Crew Productivity Norms
- Depot Layout, Vehicle Turnaround and Shift Start Checklist
- Preventive Maintenance Schedule and Fleet Availability Tracking

### **Day 4: Cleansing Contracts, Complaints and Service Failures**

- Output-Based Cleansing Specification and Service Standards Schedule
- Performance Deduction Mechanism and Default Points Calculation
- Joint Inspection Regime and Rectification Time Tracking
- Complaint Logging, Missed Collection Analysis and Hotspot Mapping
- Fly-Tipping, Overflowing Bins and Event Cleansing Contingency Plans

### **Day 5: Case Study on a District Collection and Cleansing Improvement Plan**

- Case District Baseline Review and Service Gap Register
  - Case Route Redesign and Fleet Requirement Estimate
  - Case Sweeping Beat Plan and Cleanliness Targets
  - Case Contract Scorecard and Inspection Schedule Draft
  - District Collection and Cleansing Improvement Plan Completion and Defence
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## **Skills You Will Gain:**

- Collection Round Design
- Sweeping Beat Planning
- Collection Vehicle Sizing
- Depot and Fleet Supervision
- Cleanliness Survey Grading
- Output-Based Contract Monitoring
- Missed Collection Root Cause Analysis
- Cleansing Hotspot Mapping

## **Why Attend This Course:**

- Deliver a District Collection and Cleansing Improvement Plan to the head of cleansing services or the contract board, with routes, fleet numbers, beats and inspection schedules
- Decide how many vehicles, crews and sweepers a district truly needs and which rounds or beats to merge or split
- Avoid paying for missed collections, overfilled bins and unswept streets that weak specifications and loose inspections let slip
- Coach supervisors and inspectors on round balancing, street grading and deduction calculation using the case templates

## **Conclusion:**

Back at work, the participant gives the District Collection and Cleansing Improvement Plan to the head of cleansing services and the contract monitoring team. They use it to approve round and beat changes, confirm fleet and crew numbers and set the inspection and deduction regime for the next contract period. After the first two months of operation, the unit should compare missed collections, cleanliness grades, vehicle availability and complaint volumes against the plan and adjust routes, crew levels or targets where the evidence shows a gap.

## **Frequently Asked Questions FAQ:**

### **What should participants know before the municipal waste collection and street cleansing course?**

Participants should already supervise collection rounds, sweeping crews, a depot or a cleansing contract. Bringing a sample round sheet, fleet list, inspection report or complaint summary helps them apply the case work to their own district.

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## **How does the municipal waste collection and street cleansing course differ from a circular economy or recycling strategy course?**

This course covers the daily running of refuse rounds, sweeping beats, fleets, depots and cleansing contracts. A circular economy course covers material flows, composition studies, recycling markets and treatment choices, which appear here only where they affect collection operations.

## **Why does municipal waste collection and street cleansing planning start with service levels before routes?**

Routes, vehicle numbers and crew sizes all follow from how often each bin is emptied and how clean each street must be kept. Fixing those service levels first prevents rounds being designed around current habits rather than agreed standards.

## **What do participants take back from the municipal waste collection and street cleansing course?**

Participants take back a District Collection and Cleansing Improvement Plan with a service level matrix, redesigned rounds and beats, a fleet requirement estimate, a contract scorecard, an inspection schedule and a complaint hotspot map.

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