



Commercial and Central Laundry Operations Management Course: Tunnel Washers, RABC and Cost per kg

13 – 17 June 2027

Jeddah - Corniche four-star



Commercial and Central Laundry Operations Management Course: Tunnel Washers, RABC and Cost per kg

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Introduction:

Commercial and central laundry operations management is the subject of this 5-day course for managers of central, hospital, hotel and industrial laundry plants, ending with a Laundry Plant Improvement and Cost per kg Plan for a case central laundry. Many laundries lose hygiene control and money: soiled and clean flows cross, tunnel washer batches run underloaded, wash formulas drift and the true cost per kilogram stays unknown. Nominees already supervise wash floors, finishing lines or laundry contracts and learn through an inspection walkthrough of a case plant. CoreConcept Training Center delivers this commercial and central laundry operations management course.

Course Objectives:

- Map a laundry plant layout with a physical barrier between soiled receiving and clean finishing areas and correct flow crossings
- Set tunnel washer and washer-extractor batch loading, wash formulas and dosing checks using the Sinner circle factors
- Apply thermal and chemothermal disinfection settings and an EN 14065 RABC hazard analysis with monitoring points for processed textiles
- Run RFID linen tracking for circulation counts, customer deliveries, loss rates and textile lifespan reports
- Measure water per kg, energy per kg and kg per operator-hour and rank heat recovery and water reuse options
- Build a cost per kg model and service level schedule for in-house or contracted laundry services

Target Audience:

- Managers responsible for running central or commercial laundry plants serving several hospitals, hotels or industrial clients
 - Managers responsible for on-premise hospital or hotel laundries and their wash, drying and finishing lines
 - Managers responsible for production shifts, batch scheduling and finishing line output in a laundry plant
 - Managers responsible for laundry hygiene control, wash process validation and textile quality release
 - Managers responsible for outsourced linen and laundry service contracts, pricing and supplier performance
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Course Outline:

Day 1: Laundry Plant Landscape, Flows and Current-State Baseline

- Central, Commercial, On-Premise and Industrial Laundry Operating Models Compared
- Linen Rental, Customer-Owned Goods and Workwear Service Contract Types
- Soiled-to-Clean Flow Mapping Across Receiving, Sorting, Washing and Finishing
- Plant Layout Barrier Wall, Pass-Through Washers and Air Pressure Zones
- Laundry Plant Baseline Sheet for Throughput, Utilities and Rewash Rates

Day 2: Washroom Technology, Wash Chemistry and Thermal Disinfection

- Tunnel Washer Counterflow Design, Compartments and Batch Transfer Logic
- Washer-Extractor Fleet Sizing for Small Batches and Special Items
- Sinner Circle Factors Applied to Wash Formula Design
- Automatic Chemical Dosing, Titration Checks and pH Neutralisation Steps
- Thermal Versus Chemothermal Disinfection Settings and Holding Time Records

Day 3: Hygiene Control, Finishing Lines and RFID Linen Tracking

- EN 14065 RABC Hazard Analysis for Laundry Processed Textiles
- RABC Control Points, Monitoring Limits and Microbiological Surface Checks
- Water Extraction Press, Tumble Dryer and Flatwork Ironer Throughput Balancing
- Garment Tunnel Finishing, Folding and Clean Linen Packing Standards
- RFID UHF Textile Tags for Circulation, Loss and Lifespan Tracking

Day 4: Productivity, Utilities, Costing and Laundry Failure Cases

- Kg per Operator-Hour Measurement and Shift Staffing Model
- Water per kg Benchmarks, Rinse Reuse and Press Water Recovery
- Energy per kg, Steam Losses and Flue Gas Heat Recovery
- Cost per kg Model for Labour, Utilities, Chemicals and Textiles
- Rewash, Stain Reject and Torn Linen Root Cause Analysis

Day 5: Inspection Walkthrough and Laundry Plant Improvement Plan

- Case Central Laundry Walkthrough Against Flow and Barrier Criteria
 - Case Wash Formula and Disinfection Record Audit Findings
 - Case RFID Loss Report and Customer Delivery Discrepancy Review
 - Case Cost per kg and Productivity Gap Calculation
 - Laundry Plant Improvement and Cost per kg Plan Completion
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Skills You Will Gain:

- Laundry Flow Segregation
- Tunnel Washer Batch Planning
- Wash Formula Control
- RABC Hazard Analysis
- RFID Textile Circulation Analysis
- Laundry Utility Benchmarking
- Cost per kg Modelling
- Laundry Contract Pricing

Why Attend This Course:

- Deliver a Laundry Plant Improvement and Cost per kg Plan for a case central laundry to the operations director and finance lead for approval
- Decide which wash formulas, batch sizes, finishing line changes and heat recovery options to fund first
- Avoid hygiene failures from crossed soiled and clean flows, unrecorded disinfection cycles and unpriced contract volumes
- Coach shift supervisors and washroom operators with the flow map, dosing check routine and kg per operator-hour board

Conclusion:

Back at work, the participant presents the Laundry Plant Improvement and Cost per kg Plan to the operations director, the finance lead and the hygiene or infection prevention adviser. They use it to approve layout corrections, wash formula changes, RABC monitoring points, RFID roll-out scope and the price per kg offered to internal or external customers. After the first month under the plan, the unit should review rewash rates, water and energy per kg, kg per operator-hour, linen loss and any disinfection records that fell outside their limits.

Frequently Asked Questions FAQ:

What should participants know before the commercial and central laundry operations management course?

Participants should already supervise a wash floor, finishing line or laundry service contract and read basic production figures. No engineering degree is needed; a laptop with a spreadsheet application is used for the batch, utility and cost per kg exercises.

How does commercial and central laundry operations management differ from housekeeping management?

It treats the laundry as a production plant: washroom machinery, wash chemistry, disinfection records, RFID circulation and cost per kg. Housekeeping courses cover room standards, inspections and linen par levels on the floors, while infection prevention courses cover clinical precautions and surveillance rather than processing textiles.

Why does RABC matter in commercial and central laundry operations management?

RABC gives the laundry a structured way to identify where processed textiles can be recontaminated, set control points and limits, and keep monitoring records. Hospital and food-sector customers that require documented hygiene control can then be shown this evidence when contracts are awarded or renewed.

What do participants take back from the commercial and central laundry operations management course?

Participants take back a Laundry Plant Improvement and Cost per kg Plan for a case central laundry, with a flow map, wash formula audit, RABC monitoring points, RFID loss review and a productivity and cost gap calculation they can adapt to their own plant.
