

Integrated Amenity Cabinets at Al Wajh Airport

CASE STUDY

A case study in bespoke restroom design, integrated technology, and efficient project delivery. C3 Construction partnered with Lumos Mirrors to design, manufacture, and install a series of fully bespoke integrated amenity cabinets — delivering a seamless combination of modern design, functionality, and user convenience across Al Wajh Airport's passenger restroom facilities.

10

Cabinets Installed

Fully bespoke integrated units delivered across the facility

100%

On-Time Delivery

All units completed within the agreed project timeline

5

Integrated Features

Per cabinet: lighting, drying, dispensing, towels, signage

Project Objectives, Challenges & Innovative Solution

The project was driven by a clear set of objectives aligned with modern airport standards — enhancing the passenger experience, integrating multiple restroom amenities into a single streamlined unit, and maintaining bespoke design consistency across all installations. Delivering within an active airport environment introduced distinct engineering and logistical challenges that demanded close coordination across design, manufacturing, and installation teams.

Project Objectives

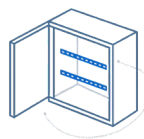
- **Enhance Passenger Experience**
Create a clean, intuitive, and premium restroom environment for modern travellers.
- **Integrate Multiple Amenities**
Combine essential restroom functions into a single, streamlined unit to improve usability.
- **Deliver Bespoke Design**
Meet unique design specifications while maintaining consistency across the facility.
- **Ensure Efficient Delivery**
Complete on time and within budget without compromising quality or finish standards.

Key Challenges

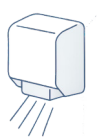
- Custom Design Requirements**
Each cabinet was fully bespoke, requiring precise coordination between design, engineering, and manufacturing teams to meet exacting specifications.
- Multi-Function Integration**
Combining lighting, drying, dispensing, and signage into a single unit required meticulous technical planning and prototyping.
- Strict Project Timelines**
Airport deadlines demanded efficient production scheduling and installation processes with zero tolerance for delays.
- Consistency Across All Units**
Maintaining uniform quality and finish across all 10 cabinets was essential to meet the airport's high presentation standards.

Innovative Solution: Fully Integrated Amenity Cabinets

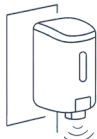
Lumos Mirrors responded to these challenges with a tailored solution consisting of 10 integrated amenity cabinets, each engineered to house multiple features within a single, cohesive unit. The design philosophy prioritised seamless visual integration — ensuring that every functional component appeared as part of a considered, unified whole rather than a collection of retrofitted fittings. The result is a restroom environment that feels purposefully designed from the ground up.



Integrated Lighting Systems
Built-in illumination enhances visibility while contributing to a modern, premium aesthetic throughout the restroom environment.



High-Performance Hand Dryers
Efficient drying technology integrated directly into the cabinet design for convenience and hygiene without protruding hardware.



Touchless Soap Dispensers
Promote hygiene with easy-to-use, contactless functionality — reducing touchpoints and maintaining a cleaner surface appearance.



Hand Towel Dispensers
Provide flexibility for users while maintaining a clean and organised space with fully concealed paper storage.

Results, Client Feedback & Conclusion

The project achieved strong outcomes across all key metrics, demonstrating that bespoke, multi-function restroom solutions can be delivered to the highest standard within the demanding constraints of an operational airport environment. From initial design coordination through to final installation, the collaboration between C3 Construction and Lumos Mirrors produced a facility upgrade that is both functionally excellent and visually cohesive.

On-Time Completion

All 10 cabinets were delivered and installed within the agreed project timeline, meeting the airport's operational scheduling requirements.

On-Budget Execution

The project was completed within budget while meeting all design, engineering, and performance requirements without compromise.

Seamless Integration

All amenities function cohesively within a compact, user-friendly design that presents as a single, unified fixture.

Enhanced User Experience

Passengers benefit from a modern, efficient, and visually appealing restroom environment that reflects the airport's commitment to quality.

"The delivery of fully bespoke units, completed on time and within budget, reflects a high level of coordination and quality."

— C3 Construction

Conclusion: Precision, Performance, and Design Excellence

This project demonstrates how bespoke integrated solutions can meaningfully transform airport restroom environments. By combining multiple amenities — lighting, drying, dispensing, and wayfinding signage — into a single, well-designed unit, Lumos Mirrors delivered both functional efficiency and elevated design. The result at Al Wajh Airport is a restroom experience that meets the expectations of modern international travellers: clean, intuitive, and built to perform under continuous use.

For airport facility managers, architects, and procurement stakeholders, this project offers a compelling blueprint. Bespoke integration does not require longer lead times or inflated budgets when the right manufacturing and design partnership is in place. Every element of this project — from initial specification through to final sign-off — was executed with precision and accountability.

✔ **Lumos Mirrors** continues to deliver tailored solutions that bring together innovation, craftsmanship, and reliability — one project at a time. For enquiries regarding bespoke integrated amenity solutions for airport and commercial facilities, contact the Lumos Mirrors project team.