

Portaramp Aircraft Ramp Report

Making Air Travel Safer and Smoother for All



01953 681799



www.portaramp.co.uk



sales@portaramp.co.uk

Introduction

The idea for the Aircraft Ramp came from a simple but powerful observation. During a holiday trip, a member of the Portaramp team noticed the significant gap between the air bridge and the aircraft door.

It became clear that this small space could present a big challenge — particularly for wheelchair users and passengers with reduced mobility, as well as for the airport staff assisting them. Boarding and disembarking could be smoother, safer, and more dignified for passengers, and far easier for staff responsible for pushing aisle chairs across uneven or awkward thresholds.

That moment sparked an idea. If Portaramp could design a purpose-built ramp for this unique environment — one that was strong, lightweight, and easy to handle — it could make a real difference to accessibility in air travel.

From there, our team began developing a solution that would combine simplicity, durability, and safety, ensuring a consistent, reliable experience for passengers and airport staff alike. Our goal was, and remains, to make travel more accessible for everyone.

Key Features

Lightweight Aluminium Construction: Easy to handle and transport without compromising strength or stability.

Non-Slip Surface: Provides maximum traction in all weather conditions for passenger and staff safety.

Adjustable Design: Can accommodate different aircraft door heights and bridge configurations.

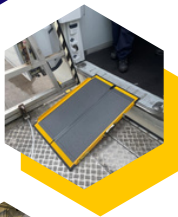
Quick Deployment: Simple to position and remove, reducing turnaround times and improving operational efficiency.

Durability: Built to withstand daily use in busy airport environments, with minimal maintenance required.



◆ Benefits:

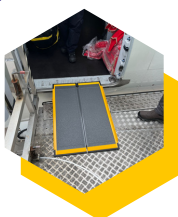
Enhances accessibility and comfort for passengers with reduced mobility.



Reduces strain and risk of injury for ground staff and crew.



Improves boarding efficiency and passenger experience.



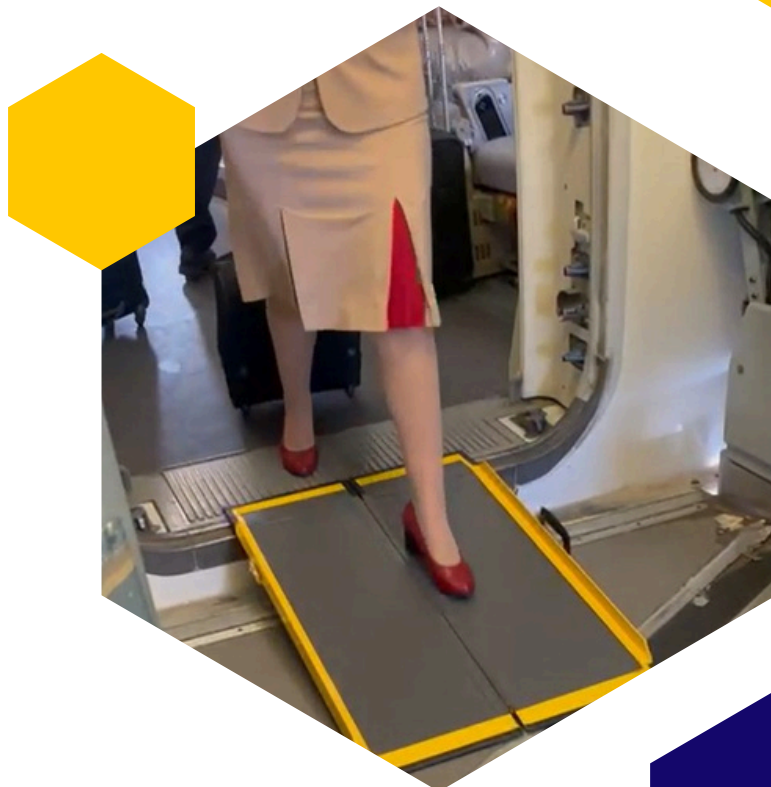
Demonstrates airline and airport commitment to inclusivity and compliance with accessibility regulations.

Our Solution

The Portaramp Aircraft Ramp is a lightweight, portable, and high-strength solution designed for aircraft boarding. It bridges the gap between the air bridge and the aircraft door, creating a stable, level surface that makes boarding safer for wheelchair users and easier for assisting staff.

Made from high-grade aluminium, the ramp is strong yet easy to handle, with a non-slip surface for maximum safety and a compact, foldable design for quick deployment and simple storage.

Designed as a universal product, it can be adapted to suit different aircraft types, air bridge setups, and airport layouts — providing a single, reliable solution that improves accessibility and streamlines operations across multiple gates.



ABM Partnership

The Aircraft Ramp was developed in partnership with ABM Aviation, one of the UK's leading aviation services providers.

ABM's expertise and feedback during testing were invaluable in refining the design to meet real-world operational challenges.

This collaboration ensured that the final product is practical, reliable, and perfectly suited to modern airport environments.

Results & Impact:

Following successful trials, the Portaramp Aircraft Ramp has been adopted across several UK airports. Early results show:

- 💡 A significant reduction in manual handling risks for staff.
- 💡 Faster and smoother boarding for passengers requiring assistance.
- 💡 Positive feedback from accessibility teams and airline partners regarding reliability and usability.

Summary of Ramp Delivery Sites

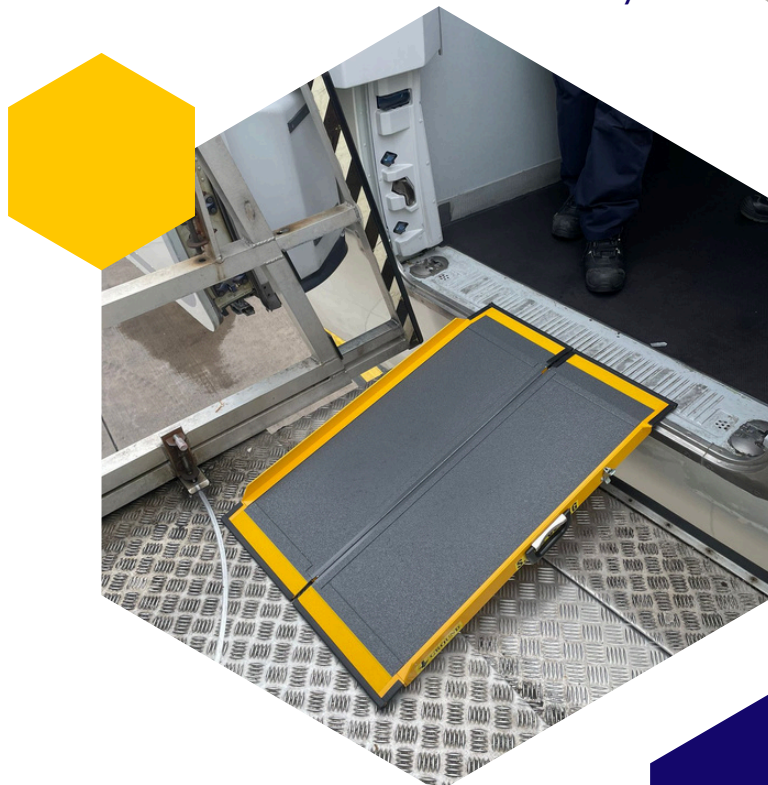


Conclusion

The Portaramp Aircraft Ramp represents our ongoing commitment to innovation and accessibility. By focusing on practical, user-centred design, we've created a product that makes air travel more inclusive for everyone involved – passengers, staff, and operators alike.

Key takeaways:

- Improved Accessibility: Provides a smooth, safe transition for passengers with reduced mobility.
- Staff Safety: Reduces manual handling risks and physical strain for airport and airline staff.
- Efficient & Practical: Lightweight, portable, and quick to deploy, supporting fast turnaround times.
- Proven Impact: Successfully trialled and adopted in multiple UK airports, with positive feedback from staff and accessibility teams.





Contact Portaramp:

 01953 681799

 sales@portaramp.co.uk

 www.portaramp.co.uk