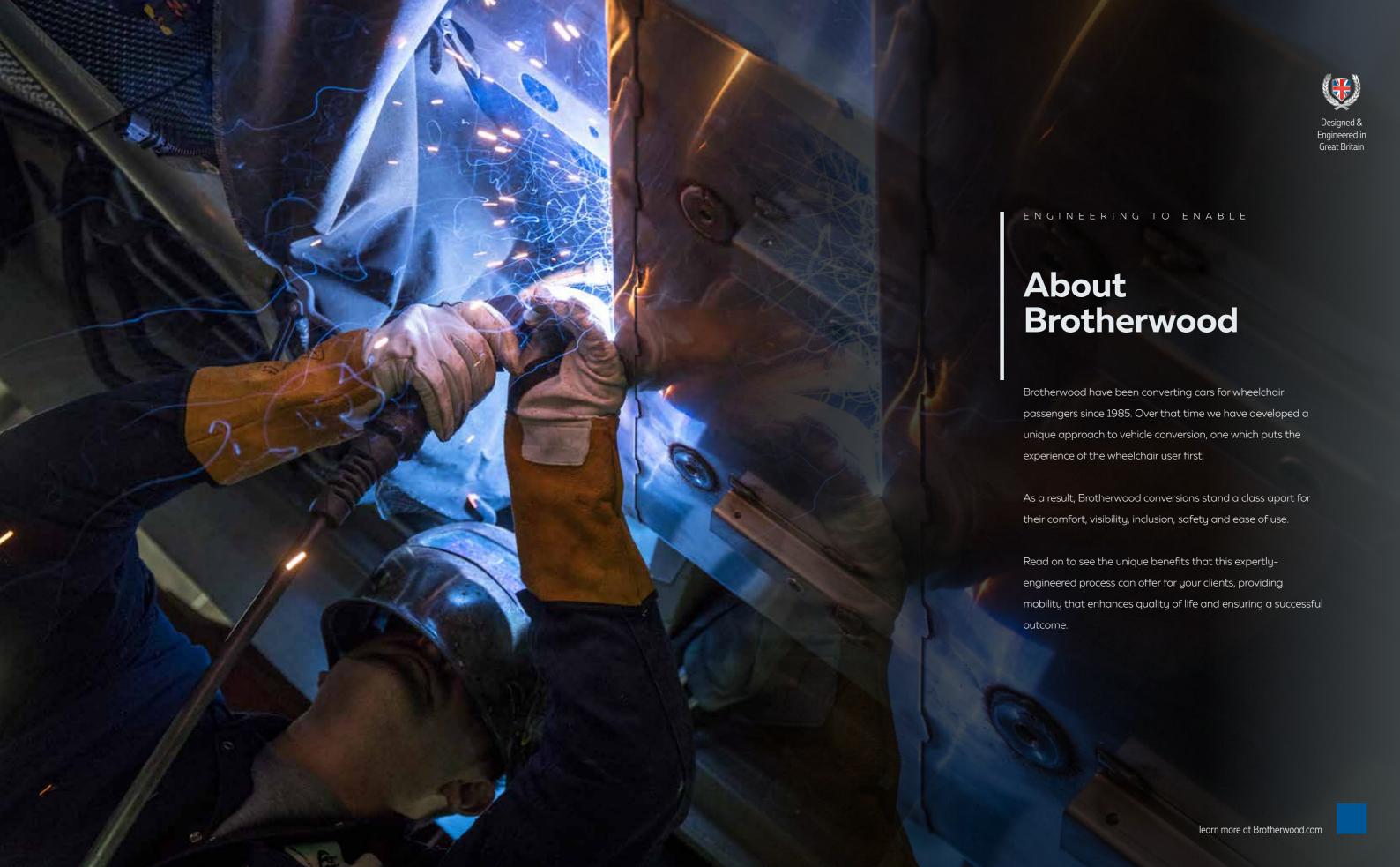


ENGINEERING TO ENABLE

The Brotherwood® Difference











"A longitudinally central location in which a person is seated as close to the vehicle chassis as possible, i.e. as low in the vehicle as possible, is considered to be the most comfortable position in which to be transported in a vehicle."

Posture & Mobility Group
"Best Practice for the Transportation of People Seated in Wheelchairs"

Ensuring that the wheelchair travels in the centre of the vehicle, on a **flat, level lowered floor,** contributes to **more comfort** for the wheelchair user. Sitting centrally in the car creates a **smoother ride**, with a naturally ergonomic seating position.

A lowered floor also reduces the **centre of gravity** of the wheelchair user. This is extremely important as it greatly reduces the feeling of 'body roll' as the vehicle corners, leading to a much more comfortable and enjoyable ride.



Space & Visibility



Ensuring that the wheelchair is positioned with all wheels on a level surface gives a much more natural seating angle, offering **improved visibility** out of the front and side windows.

By lowering the eyeline of the wheelchair user, it enables better outward visibility, without having to bend or crane their neck to enjoy the view. Combined with the flat, level lowered floor, **optimal posture** is maintained at all times, meaning that longer journeys can be made in comfort.

The lowered floor also creates **more headroom for the**wheelchair user - particularly useful for taller clients, but
creating a beneficial feeling of spaciousness for all passengers.

"

"The field of vision and visibility of the wheelchair occupant, for communication or attendance, are also important considerations when choosing the wheelchair position within a vehicle."

Posture & Mobility Group
"Best Practice for the Transportation of People Seated in Wheelchairs"





Many wheelchair users comment on how they have felt isolated travelling in other Wheelchair Accessible Vehicles. With a Brotherwood® conversion, the lowered floor and central wheelchair position enables wheelchair users to travel inclusively with family and friends as part of the social group.

An equal head-height for able-bodied and wheelchair seated passengers alike enables easier conversation and promotes the feeling of **inclusion and wellbeing** for the wheelchair user.

The extreme rear of the vehicle is not considered to be **the** safest position within the vehicle for the wheelchair user, who may feel more vunerable when seated too close to the rear door.

Moving the wheelchair position forward **reduces this risk** and enables the WTORS (Wheelchair Tie-Down & Occupant Restraint System) to affix at the recommended 45 $^{\circ}$ angle.

"Best Practice for the Transportation of People Seated in Wheelchairs"

Designed & Engineered in Great Britain

Easier Access



A lowered floor is not only better when travelling; the loading procedure is also made much easier for all. By lowering the floor, the gradient of the ramp is reduced.

This makes loading and unloading easier and safer for wheelchair user and carer alike, and means that the lightweight, counterbalanced rear ramp can be shorter, making it easier to deploy and use in almost any parking space.

The ramp is also durable and maintenance-free, and ensures reliable access at any time.

"

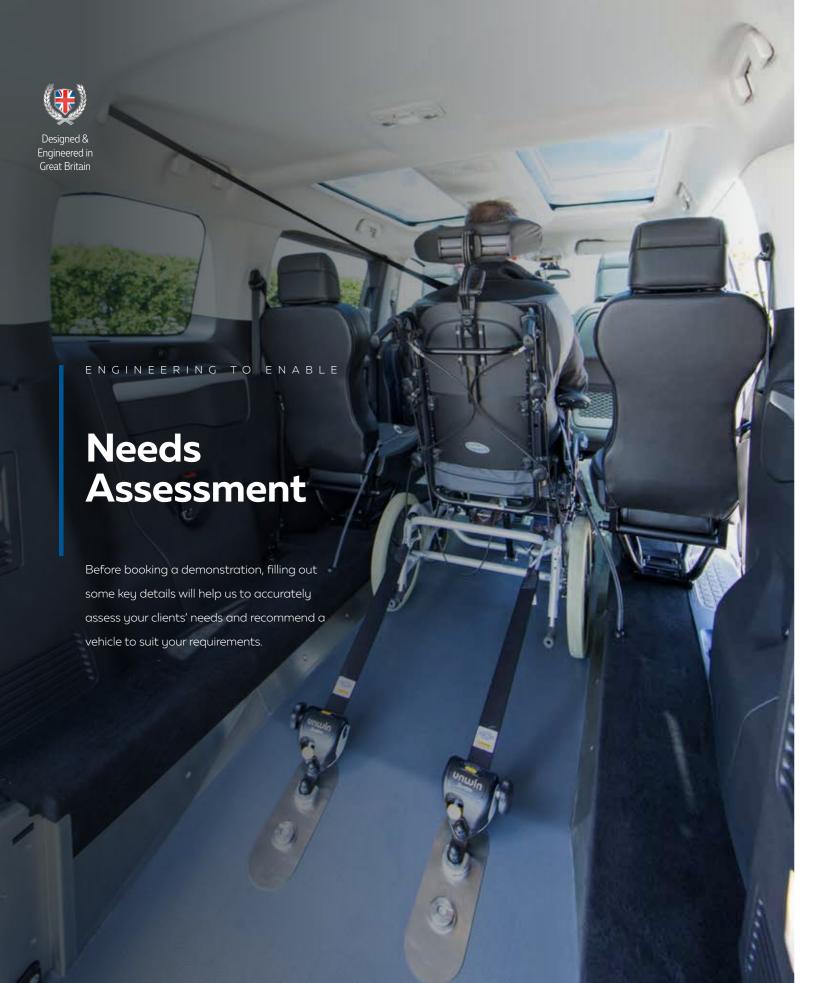
Passenger Lifts vs. Ramps

"Use of passenger lifts for access to vehicles has proven to be a high risk activity where wheelchairs and their occupants have suffered injury as a result of falling from a lift platform.

Passenger lifts are required by EU law to undergo a critical safety inspection every 6 months."

Posture & Mobility Group

"Best Practice for the Transportation of People Seated in Wheelchairs"



Wheelchair Type Enter the type of mobility device.	Push / Manual Wheelchair		Powered / Electric Wheelchair	Mobility Scooter		
Wheelchair Make Enter the Name of the Wheelchair imanufactu	urer.		Wheelchair Model Enter the Model Name or Number of the Wh	neelchair.		
Wheelchair Details	-					
Enter the Weight of the Wheelchair in kg.			Enter the Weight of the Wheelchair User in k	rg.		
Wheelchair Weight	kg		Occupant Weight	kg		
Weights						
Enter the Height of the armrests.			Enter the Width of the armrests.			
Wheelchair Armrest Height	cm/	in	Wheelchair Armrest Width	cm /	in	
Enter the Wheelchair Width at the front whee	ls.	Enter the Wheelchair Width at the front wheels.				
Wheelchair Front Track	cm /	in	Wheelchair Front Track	cm /	in	
Enter the Wheelchair User's Seated Height fro			Enter the Wheelchair Length from furthest r			
Seated Height	cm/	in	Wheelchair Length	cm /	ir	

Demonstration Details											
Date of Demonstration					Time of Demonstration						
Location					Client Name						
					Appointee						
					Client Disability						
					Age						
Vehicle D	etails										
Vehicle Make					Vehicle Model						
Transmission	Manual		Automatic		Registration						
Demonst	ration Note	S									



The UK's Wheelchair Accessible Vehicle Specialists | established in 1985



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