

# Commercial Solutions

**2018** | Safe and reliable products for accessible vehicles.











# Autoadapt Group.

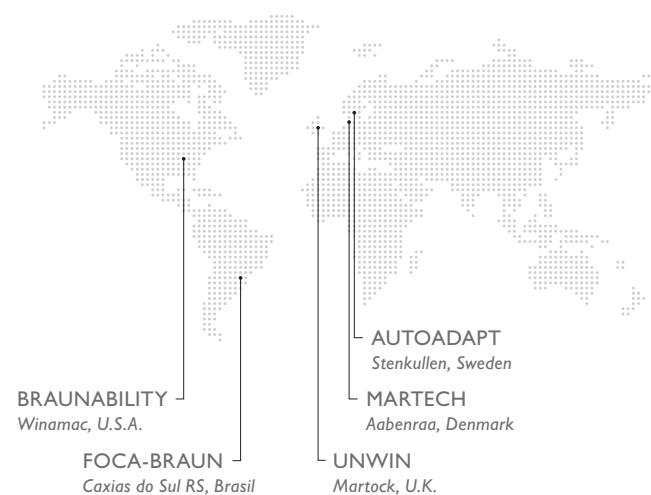
As the largest corporate group in our industry we provide high quality and reliable mobility solutions to vehicle body builders and OEM worldwide.

**THE GROUP EMPLOYS** over 1400 people dedicated to creating mobility solutions. Included in our group are Autoadapt, BraunAbility, Foca-Braun, Martech and Unwin.

With a combined production area measuring up to over 100 000 square meters and an annual turnover above 5 billion SEK; we have the foundation on which

to continue to lead the industry into higher levels of reliability, safety and innovation.

When it comes to accessibility solutions within commercial transport applications, Autoadapt has the product range to stand out as the most complete supplier. With a combined history of nearly 200 years in the business of providing a means of transport for people seated in wheelchairs, we know that reliability is critical. Whether it is Flooring Systems, Wheelchair Tie-downs, Wheelchair Lifts, Wheelchair Ramps or Occupant Restraints; we offer quality products and on-time delivery worldwide.





# Our Products.

**WE PRIDE OURSELVES** in being able to provide the most complete selection of solutions for accessible vehicles. In the following pages we will present some of the highlights from our extensive product catalogue.



Ensuring safety and accessibility from the ground up.

- *Flooring Systems*
- *Wheelchair Tie-downs*
- *Wheelchair Lifts*
- *Wheelchair Ramps*
- *Occupant Restraints*
- *Seating Systems*





# Floor and rails.

**INDUSTRY PIONEER UNWIN** offers a wide array of leading products in aluminium flooring, wheelchair tie-downs and occupant restraints.

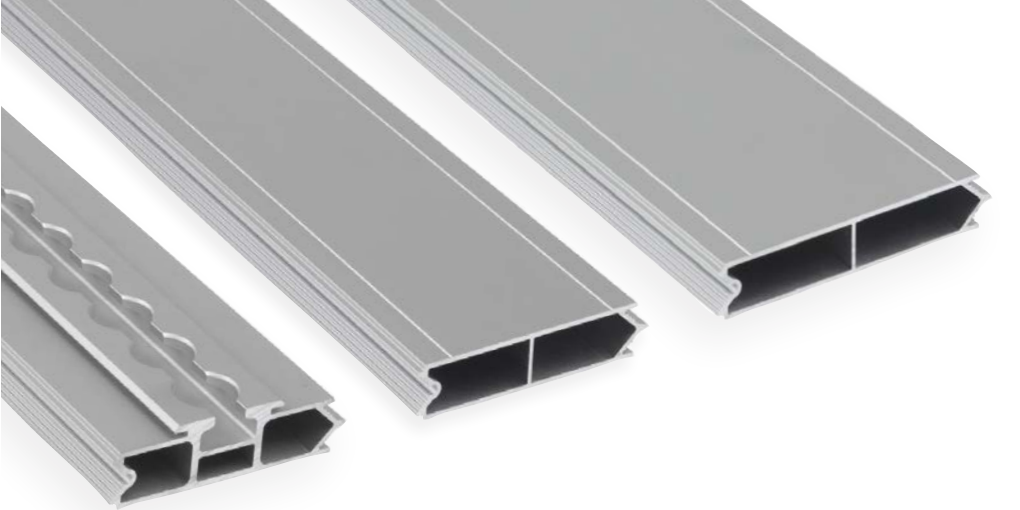


## SpaceFloor

*SpaceFloor is a floor system developed for all means of transportation where a flexible, safe installation of passenger seats is required.*

*The system is based on a range of aluminium sections bonded together to form a tailored floor. The aluminium sections can be extruded with integrated pipes or channel, which can be used for floor heating or cables.*

*If special needs or requirements regarding fixture is necessary, the system can be modified without any considerable increase of costs.*



## Innotrax

*The system is based on five plank types each available in five different lengths. This makes it possible to tailor each floor to the desired specification. Installation is quick, simple and quality assured. In short, the Innotrax rails will always be perfectly parallel to each other.*

*Innotrax is fully compatible with all Unwin products and tested to M1 standard. It offers certified approval across 18 different vehicle models from 11 major manufacturers.*

*Please contact us for a tailored floor design that fits your vehicle and requirements*



## Low Profile Rail

*The Low Profile rail is easy to install and can be recessed into the vehicle floor for a neat finish, with a height above the finishing floor of only 4 mm.*



## Surface Rail

*The Surface rail is designed for vehicles where flush-fitted rails are not possible. It is quick and easy to install into most vehicle floors, with a finished height of only 14 mm above the floor. Surface rail is a popular solution for 3rd point passenger restraint tment (cant rail).*





# Securement and belts.

**UNWIN INVENTED THE** product segment of wheelchair tie-downs in the 1950's and has since continued to lead the industry in the aspects of safety and innovation.



## Tie-downs

*Much like a passenger using a seatbelt in order to safely travel, a wheelchair must be secured with tie-downs when being transported in a vehicle. Unwin wheelchair tie-downs come in several variants where each model has its own set of advantages depending on the requirements.*



## Occupant restraints

*Seatbelts are essential for safe travel in a vehicle. We provide a number of solutions that will ensure flexibility and optimum safety.*



# Seating.

A **FLEXIBLE SEATING** layout is a great way to maximise the use of a vehicle. Our Unwin seating systems in combination with our flooring systems makes it possible to quickly and easily convert a standard vehicle to a Wheelchair Accessible Vehicle.



## TwinLock

The TwinLock console is a joined set of seat legs with a mechanism to secure the seat in the door or rail. It's easy to use and requires only one hand for operation. The low friction surface under the Twin-Lock allows seats to slide back and forth effortlessly in the rail. Once in the locked position, the seat is tensioned into the rail so there is no rattle.

Each console is a complete set of legs with a locker, all you need to add is your seat. A complete set weighs no more than 5.5 kg. The optional wheels enables moving seats around the vehicle without lifting.



## Seat Locker

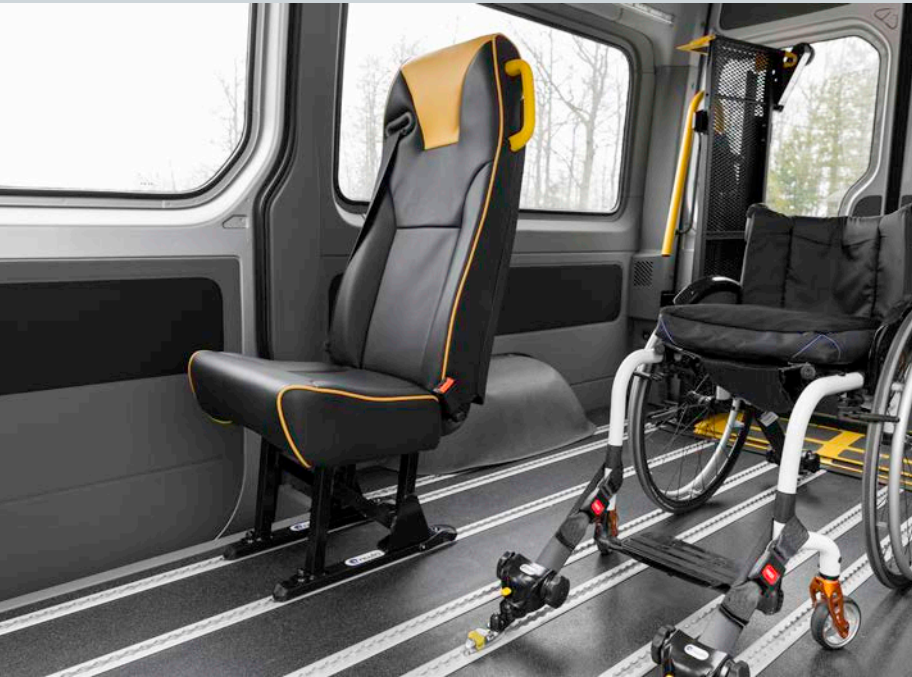
The Unwin Seat Locker is a device that locks the seat legs into a vehicle's floor tracking. It's main purpose is to add flexibility to a vehicle's seating configuration. Being the category's premium solution, the Unwin Seat Locker is a discreet low built lockable, engineered to be rattle free. A simple step on the actuator locks the seat into the tracking.



## U-Seat

The U-Seat is a cost effective and versatile seat. Available in two versions, a discreet standard version in all black and a public version with highly visible details. It has ISOFIX anchor points for child safety seats as well as an integrated 3-point seatbelt.

The U-Seat is designed to stay nice and clean even after years of heavy usage. The leatherette upholstery is durable and will not absorb liquids. The back ABS shell provides good protection from scuffs and marks. Both materials can be easily wiped cleaned with a wet cloth.





**Inboard lifts.**

**AS THE SINGLE** largest manufacturer of wheelchair lifts in the world U.S. based BraunAbility has provided high quality lifts for the last 40 years.



**Q-SERIES**  
Completely quiet premium wheelchair lifts.

*Building on the reliability and robustness synonymous with BraunAbility while incorporating a smart design that excels above all others in three dimensions: quiet while driving, structural rigidity and design aesthetics. Honored with Golden A' Design Award 2017.*



**GLOBAL**  
A lightweight and economic wheelchair lift.

*The Global is ideal for transit providers looking for a lowcost and lightweight lift without sacrificing BraunAbility's reliability and efficiency.*



**MILLENNIUM**  
A strong, solid platform wheelchair lift.

*The solid platform Millennium series have a unique double security roll stop, powered by hydraulics and locked mechanically, providing additional safety.*



**CENTURY XT**  
Extra long telescopic platform wheelchair lift.

*Century XT features a telescopic stacking platform that will extend up to 152 cm, but still fit inside a medium sized transport vehicle.*



**VISTA**  
A stacking platform wheelchair lift provides good visibility.

*The stacking platform is stowed below the vehicle's windows, providing good visibility for both passengers and driver.*



**VISTA SPLIT**  
A split platform wheelchair lift with a clear path for both visibility and access.

*When not in use the unique split platform is stowed in parallel to the vehicle's sides, leaving an unobstructed view and good access.*



# Cassette lifts.

**YEARLY THOUSANDS OF** UVL cassette lifts are delivered directly to the assembly lines of a large number of bus and coach OEMs, such as Evobus and Iveco. They are also commonly retrofitted to fulfil improved accessibility regulations.



## UVL-Series

The BraunAbility UVL lifts mounts in your existing step configuration or a dedicated compartment, out of sight and out of the way.

## A-Series

The BraunAbility A-Series lift was developed by Autoadapt for the European public transport market. Key focus lies on quick installation, low weight, reliability and ease of service..





**Ramps.** **SWEDISH FEAL HAS** been specialising in ramps for consumer and professional applications for over 20 years. FEAL Ramps are known for their high quality and durability.



Aluminium tailboard ramps

*Designed to meet the special requirements of ambulances and the community transport market, the commercial tail-board ramps from FEAL are unmatched in performance, quality and price.*

*Features include reinforcements for up to 600 kg loading capacity, highly reflective side profiles and and kick-out wheels for emergency evacuation. The kick-out wheels will allow the ramp to be deployed from within the vehicle in case of an emergency. Additionally the wheels make every day ramp operations easier.*



iRamp Portable

*iRamp Portable is a ramp which folds lengthways. It provides a full surface required for electric wheelchairs and three-wheeled scooters. It is very lightweight, made from a durable material and is capable of supporting heavy loads. The iRamps are only 5.5 cm thick when folded up.*



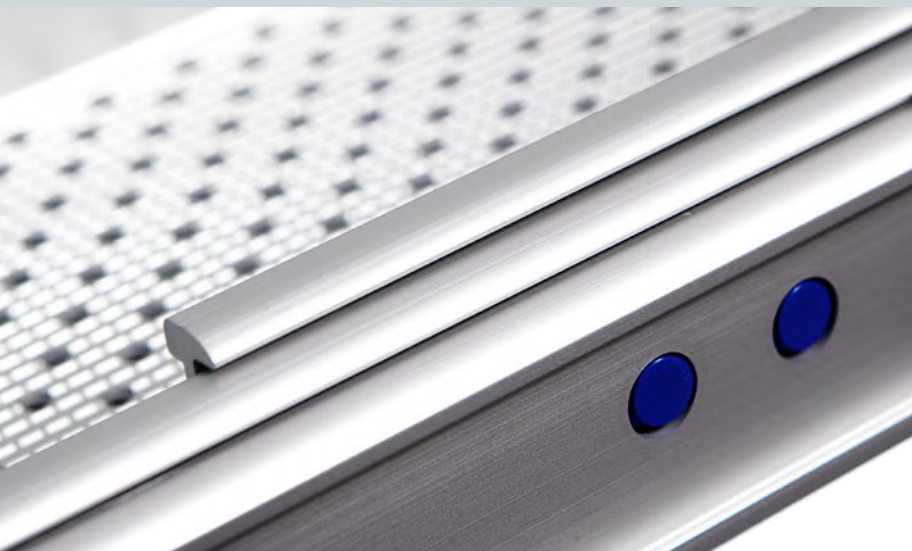
iRamp Carbon

*The iRamp Carbon series is even lighter, 30% lighter than the competitors' counterparts. As the name suggest these ramps are manufactured from carbon bre, a material that is extremely light, rigid and strong.*



Portable aluminium ramps

*Fixed, folding or telescopic. Our portable ramps are available in a variety of different shapes and sizes. They're easy to bring along on trips or to places that do not have fixed ramps. Features include handles that retract effortlessly, simple locks that you can open and close in one easy step, and superior slip resistance.*







” Meeting all employees during the dealer event made me understand Autoadapt’s uniqueness. My only regret is that I wasn’t able to shake everybody’s hand.  
— Gerd Schmees,  
KAM at Volkswagen Commercial Vehicles

” We congratulate Autoadapt on supreme quality UVL Wheelchair Lifts rendering a top score in our yearly vendor evaluation.  
— Michał Andrzejewski,  
Purchase Specialist at Solaris Bus & Coach SA

” The demand for products that promote greater independence and quality of life for people with disabilities has grown considerably in recent years, especially since there are a number of incentives for people with a disability to better be included in the labor market and in society.  
— Carlos Cavenaghi,  
Owner of Cavenaghi (Autoadapt Dealer)

” Our guests with impaired mobility can comfortably enjoy the beauty and wonders of Namibia from our specially designed bus with a Turny Seat Lift.  
— Heidi van Eck,  
Managing Director of Sunbird Tours CC

” In Japan we have the oldest population in the world. As an Autoadapt dealer we have a great foundation of solutions that help us meet the needs of our senior citizens.  
— Atsushi Shimizu,  
CEO at Office Shimizu

Our sales and support organisation serve over 64 countries on a daily basis. On-time delivery around the world, quality assurance and training are all part of the Autoadapt package.

# Serving the World.





# Local Manufacturing.

All the members of the group have a strong local presence.

**AN APPROACH THAT** goes hand in hand with rigorous quality control and short lead times. Everything from product design to manufacturing takes place at the respective main facilities in the United States, the United Kingdom, Denmark and Sweden. By keeping manufacturing in-house we can ensure a high level of

quality. Not only do we have the possibility to perform random quality controls but should a problem arise the source of the error can be found and eliminated quickly.

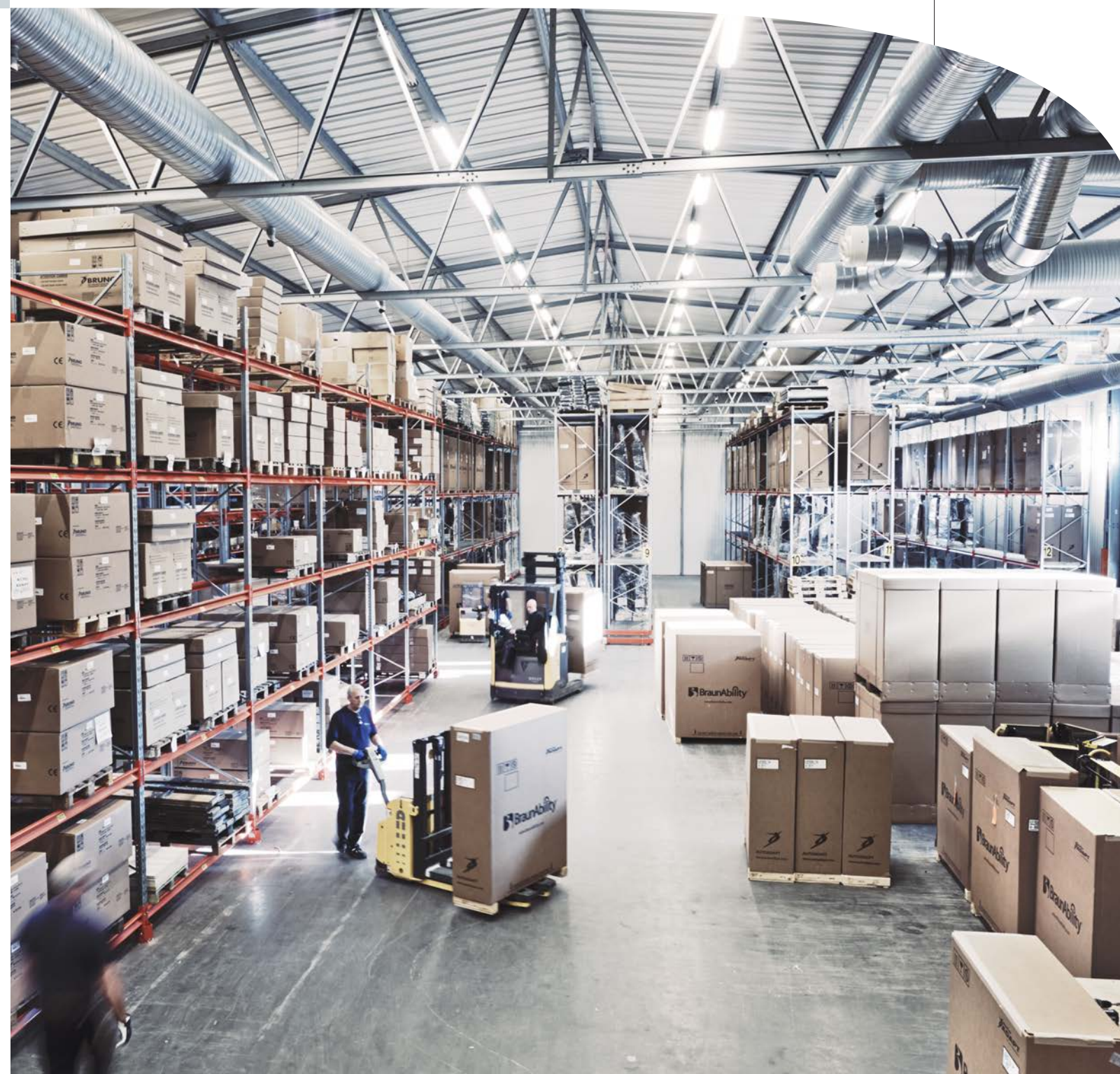
Short lead times are another great benefit of local manufacturing that allows us to quickly implement changes in production and handle custom orders.

” When we design a new solution ”Reliability” is one of our key mantras. Why? Well, for our end users our product isn’t just another technical gizmo, it’s their arms, their legs or their hands. Failure is simply not an option.

— Hasse Slungare,  
Design Engineer, Autoadapt



The 4 000 square metre warehouse serve our global customer base on a daily basis.







Climate, Vibration, Durability, Crash and Pull tests are examples of what our products have to endure before going into production. In 2007 we invested in a Pull test rig.

# Quality and Safety.

” Autoadapt’s testing and documentation procedure is a benchmark for the car adaptation industry.

— Lars-Åke Johansson  
Owner and CEO Bilinredarna i Växjö AB  
Board member Swedish Association of Vehicle Adaptation

Everything we do is carefully tested and documented.

**AS SAFETY DEMANDS** are constantly increasing, we remain in the front line among producers of safe and reliable vehicle adaptation products. Climate, Vibration, Life Cycle, Crash and Pull tests are examples of what our products have to endure in order to meet current standards in the vehicle industry. Certification under the quality system ISO 9001:2015 in the areas of design, development and production plus our final checks and testing, provide documented peace of mind for everyone.

In May 2009 the Autoadapt Safety Centre became the first accredited Pull test lab in our industry, accredited by SWEDAC according to ISO/IEC 17025. In 2011 Unwin Safety Systems opened the Unwin

Dynamic Testing Laboratory, complete with a Crash test bed and sled.

## Standards and Paperwork

As the rules and regulations regarding vehicle building and upfitting differ widely all over the world we support our customers with extensive documentation. We will provide you with all the necessary certificates and documents required by road authorities and vehicle inspection agencies.

## Training to Ensure Quality

Vehicle adaptation is highly responsible work that demands a great deal of technical expertise and a strong focus on safety. The Autoadapt training department perform training on location or in-house at Autodapt, free of charge.



Autoadapt Safety Centre.  
Accredited test laboratory.











Worldwide Vehicle Accessibility Solutions

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