

# Professional Solutions

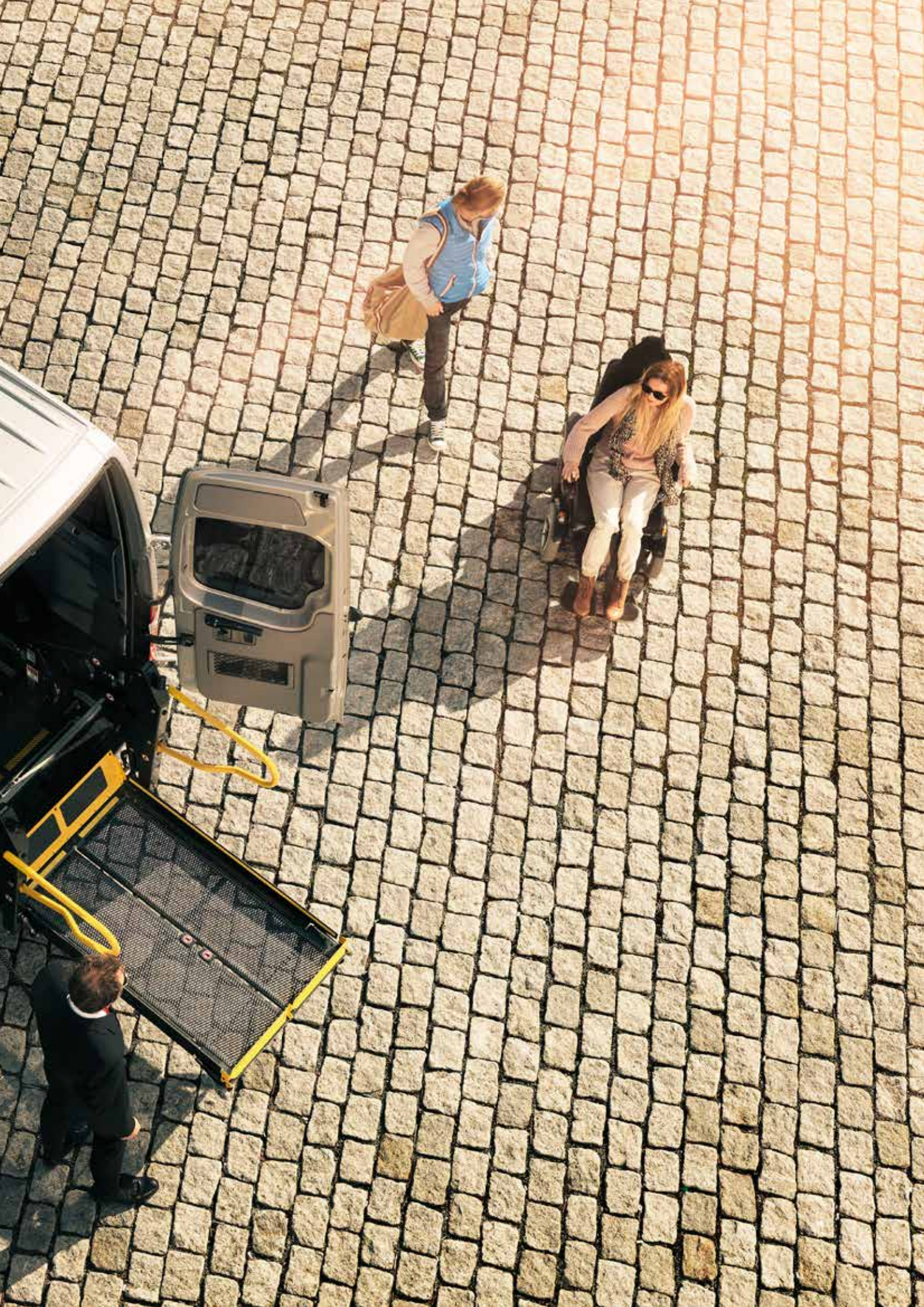
**Autoadapt** | Safe and reliable products for Wheelchair Accessible Vehicles.















# 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 1500 people dedicated to creating mobility solutions. With a combined production area measuring up to over 100 000 square meters and an annual turnover above 2.5 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.

Included in our corporate group are BraunAbility, Bruno Independent Living Aids and Unwin Safety Systems.

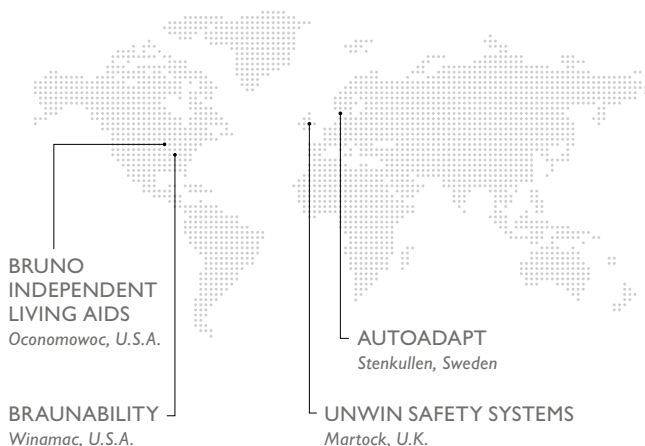
## Business Areas

### PROFESSIONAL

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

### CONSUMER

- Getting Seated
- Independent Driving
- Lifting and Stowing
- Wheelchair Lifts





# Our Products.

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

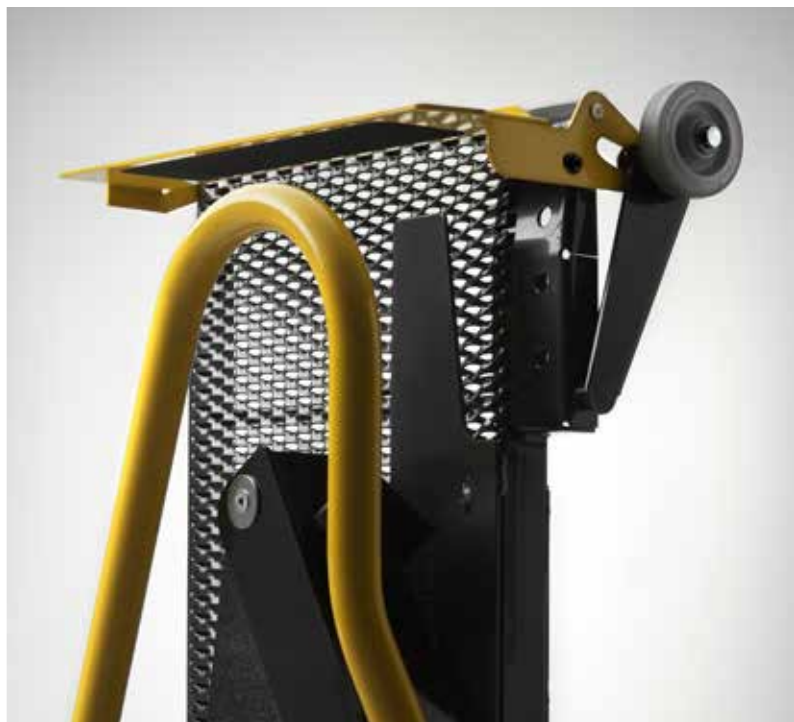






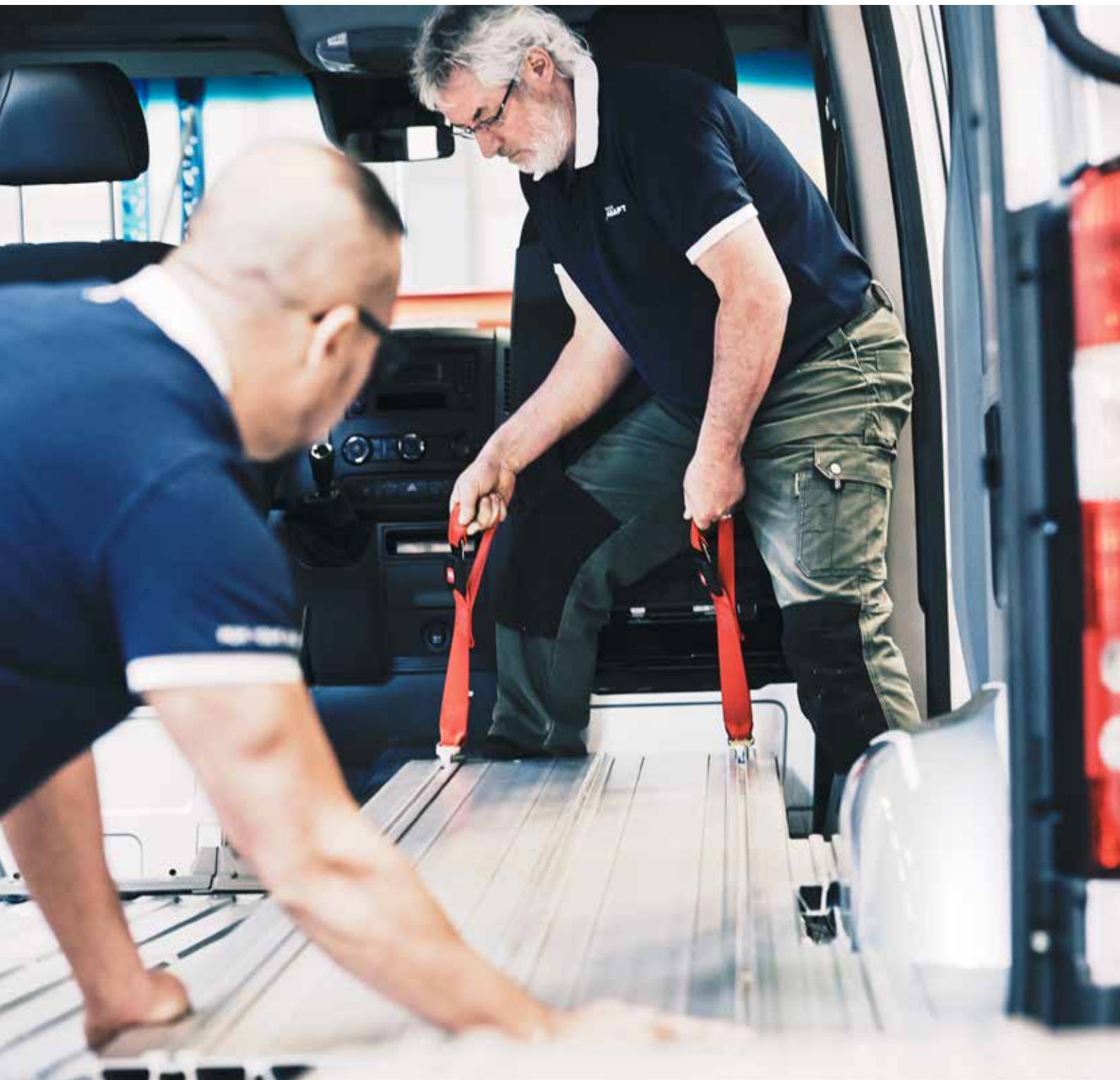
## Ensuring safety and accessibility from the ground up.

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



# Flooring Systems.

**INDUSTRY PIONEER UNWIN** Safety Systems offers a wide array of leading products in aluminium flooring, Wheelchair Tie-downs and Occupant Restraints.





## Innotrax

A new generation of bonded aluminium flooring system that 'clicks' together to form a perfect vehicle floor base.

Fully compatible with all Unwin products, Innotrax is available in various panel lengths to create the ultimate flooring design, and can be tailored to suit individual vehicles.

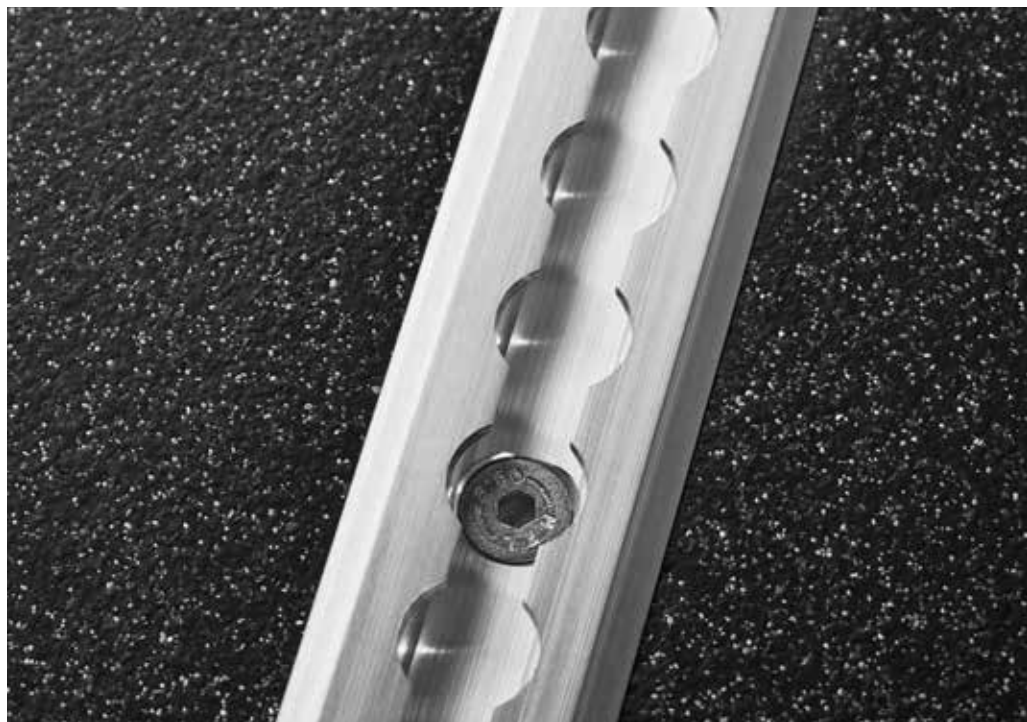
- Provides flexibility in floor design
- Quick and simple quality assured installation
- Tested and approved in combination with Unwin Wheelchair Tie-downs and Occupant Restraints as well as Unwin Seating Systems
- Modular system with different sizes of plain and rail planks
- Can be tailored according to specifications or for specific vehicle models



## Low Profile Rail

Its ease of installation and inherent strength makes it the first choice for many specifiers and vehicle converters.

- Cost efficient lengthwise anchoring system
- Flexible
- Tested and approved in combination with Unwin Wheelchair Tie-downs and Occupant Restraints



## Surface Rail

Suitable for cant rail installations and for floor mounting in vehicles where a conversion using a flush fitted rail is not possible.

- Quick installation
- Tested and approved in combination with Unwin Wheelchair Tie-downs and Occupant Restraints





# Wheelchair Tie-downs and Occupant Restraints.

**UNWIN SAFETY SYSTEMS** 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.







## Wheelchair Tie-downs

All our standard Unwin Wheelchair Tie-downs are crash tested and approved to hold a 120 kg wheelchair. So why do we exceed the current industry standard ISO 10542 by over 40 percent? Simply because few existing powered wheelchairs weigh 85 kg or less. Unique safety, for real world applications.

- Crash tested and approved to 120 kg
- Standard Systems for simplicity
- Mix and Match for flexibility
- Unlike hooks, karabiners cannot fall off at recoil
- Easy to fit and remove Tie-downs from Rails or Solo anchors
- Crash tested and approved in combination with Unwin Flooring Systems



## Occupant Restraints

When the primary task of securing the wheelchair is done, we naturally extend the unique safety offered by us to the passenger as well.

- Crash tested and approved 3 point belts in combination with Unwin Flooring Systems
- Intuitive Tongue and Buckle design makes fastening and freeing a passenger easy for anyone, adding an increased level of safety in case of an emergency
- Easy to fit and remove from Rails or Solo anchors



# Seating Systems.

**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.





## Seat Fixtures

All Seat Fixtures, removable or semi-permanent are crash tested and approved in combination with our Flooring Systems according to MI Standards.

- Standard Removable Seat Fixture – simple and flexible
- Simple T-bolts for semi-permanent layouts
- Crash tested and approved
- Optional wheels for easy movement of seats



## HAL

HAL (Hand Actuated Lockable) is a new removable seat fixture designed to ease quick changes in seating layouts.

- Single release hand trigger
- Fits any seat leg
- Integrated wheel facilitates movement of the seats inside the vehicle
- Optional transit wheels for easy movement of seats outside the vehicle
- Crash tested and approved in combination with Unwin Flooring Systems



## EasiSit

The Unwin EasiSit is a combined Seat and Wheelchair Tie-down. The seemingly ordinary seat can within seconds be transformed into a safe wheelchair station.

- Ordinary seat and wheelchair station with head and neck protection
- Wheelchair Tie-downs and Occupant Restraint integrated in the seat
- Quick, flexible and simple





# Wheelchair 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.





## Platform Types

BraunAbility Wheelchair Lifts are available in a wide range of platform types for any kind of application. All lifts are CE marked and EMC test approved.



### VISTA – A clearer view

*When stowed the stacking platform resides below the vehicle's windows, providing a free line of sight for both passengers and driver.*



### VISTA SPLIT – Out of sight and out of the way

*The split platform is stowed in parallel to the sides, keeping the door accessible for loading and unloading, as well as providing a clear view.*



### MILLENNIUM – A well proven workhorse with hydraulic roll stop

*The strong solid platform of the Millennium series provides stability and reliability to users all over the world. It also offers the smallest footprint.*



### CENTURY – Extra long telescopic stacking platform

*To fit a long platform inside low vehicles the Century XT series features a telescopic stacking platform that will extend well beyond its own height.*



### GLOBAL – Lightweight and economic

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



## 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 Lift

The UVL855 mounts in your existing step configuration or a dedicated compartment, out of sight and out of the way.

- Automatic lift, operated by an attendant
- Discreet and out of the way when not in use
- Smooth quiet operation
- Manual back-up system as a standard feature
- EMC test approved
- CE marked





# 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.





## Tailboard Ramps

Our FEAL Tailboard Ramps have a unique surface treatment that provides excellent grip and makes loading and unloading simple and safe. The two part or three part folding ramps are available in a number of different lengths.

- Non-slip surface
- High loading capacity, up to 600 kg in select models
- Can be ordered tailored to specific dimensions
- Specific mounting brackets for many vehicles and rail floor
- Easily removed for cleaning or loading
- Anodized aluminium surface protects against scratches and corrosion
- 5 years warranty



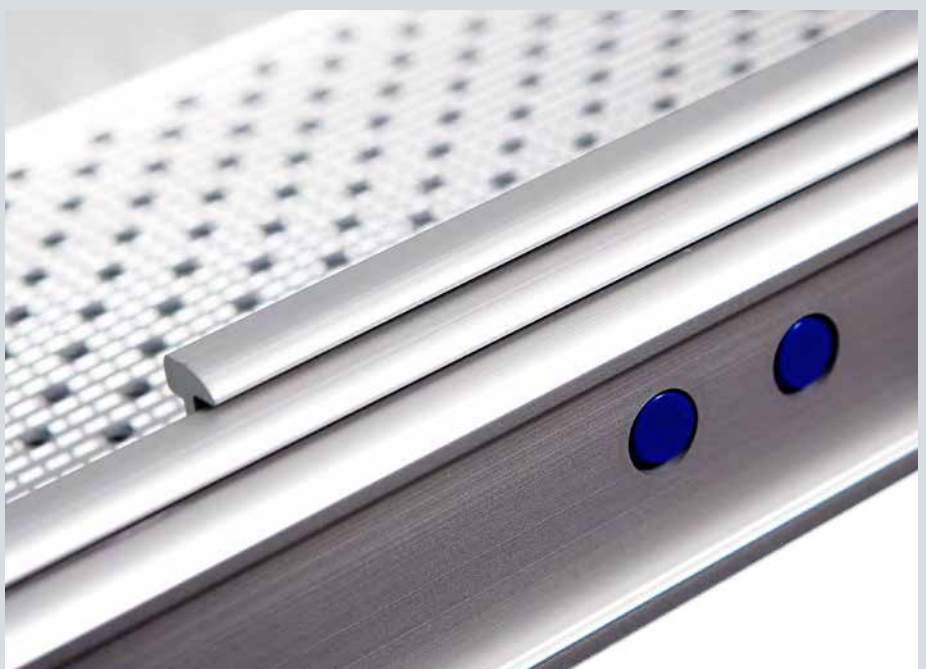
The Quick Release mechanism can be mounted without drilling by using specific mounting brackets or bolted directly in the vehicle floor for a more permanent installation.



## Portable Ramps

Fixed, Folding or Telescopic. Our FEAL Portable Ramps are available in a variety of different shapes and sizes. They are the perfect ad-hoc solution in vehicles that have no other means of loading a wheelchair.

- Non-slip surface
- High loading capacity
- Anodized aluminium surface protects against scratches and corrosion
- 5 years warranty



” When we were looking for a European partner to increase the market share of BraunAbility Wheelchair Lifts, Autoadapt was the natural choice.

– Nick Gutwein,  
CEO at BraunAbility

” 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

” 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

Serving the  
**World.**





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



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 55 countries on a daily basis. On-time delivery around the world, quality assurance and training are all part of the Autoadapt package.



# Local Manufacturing.

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

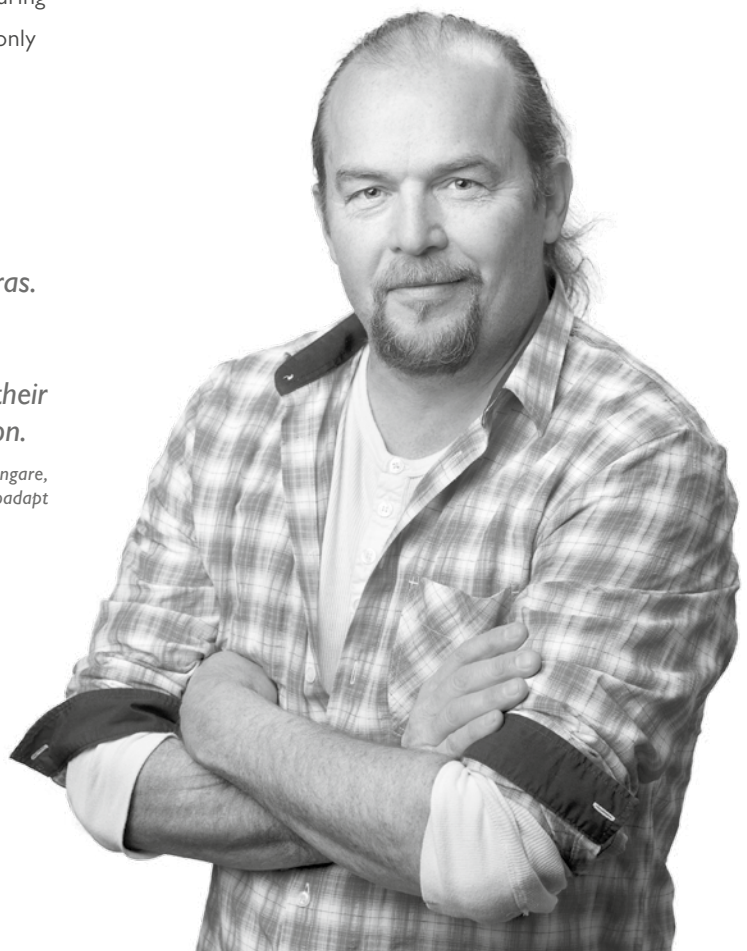
**AN APPROACH THAT** goes hand in hand with rigorous quality control and short lead times. Everything from product design to manufacturing takes place at the respective main facilities in the United States, the United Kingdom and Sweden. By keeping manufacturing in-house we can ensure a high level of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

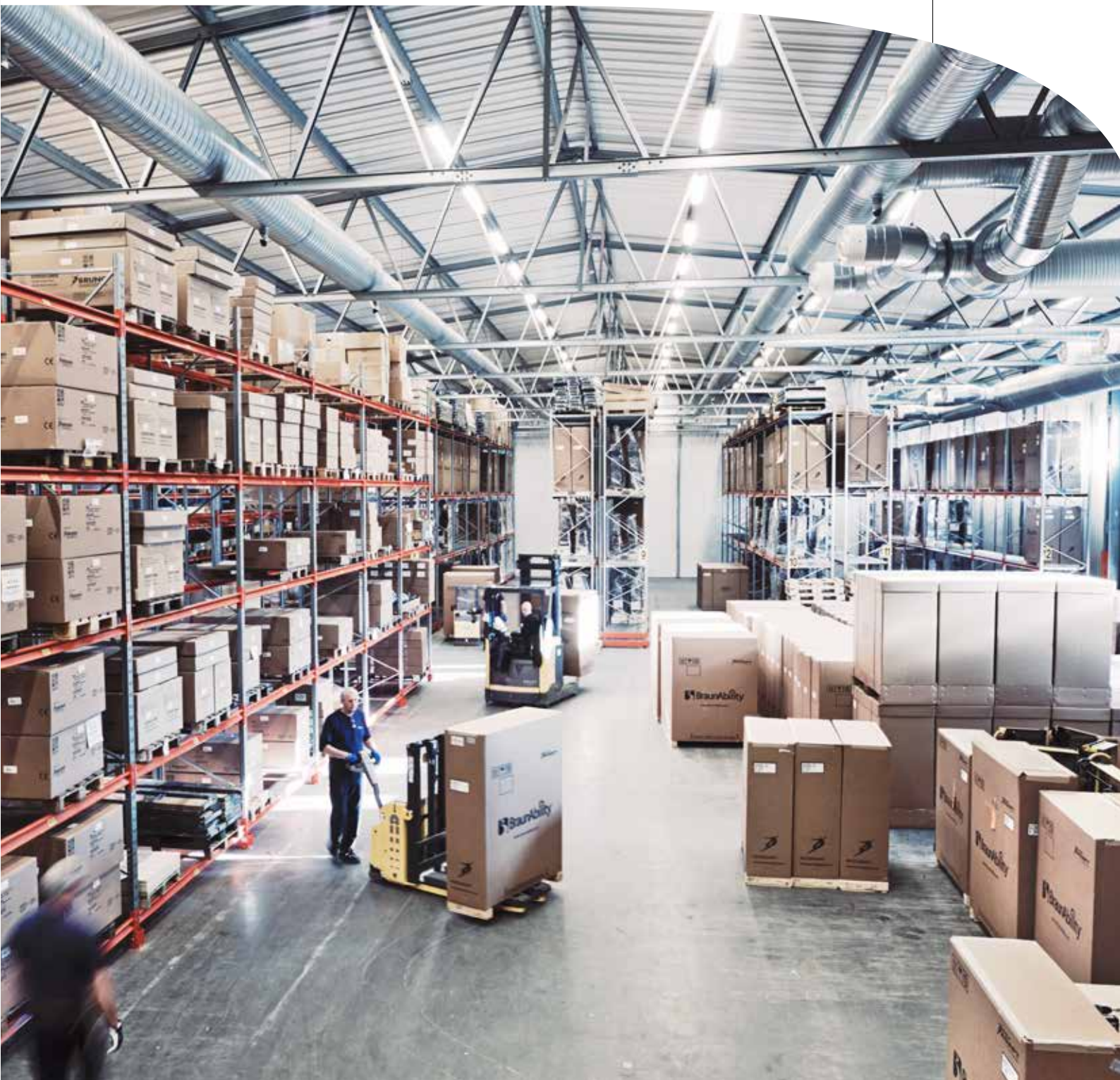
” When we design a new solution ”Reliability” is one of our key mantras. Why? Well, for our end users our product isn’t just another technical gizmo, it’s their arms, their legs or their hands. Failure is simply not an option.

– Hasse Slungare,  
Design Engineer, Autoadapt





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





# Quality and Safety.

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 9001:2008 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 Autoadapt, free of charge.

Autoadapt Safety Centre.  
Accredited test laboratory.  
[www.autoadapt.com/safety](http://www.autoadapt.com/safety).

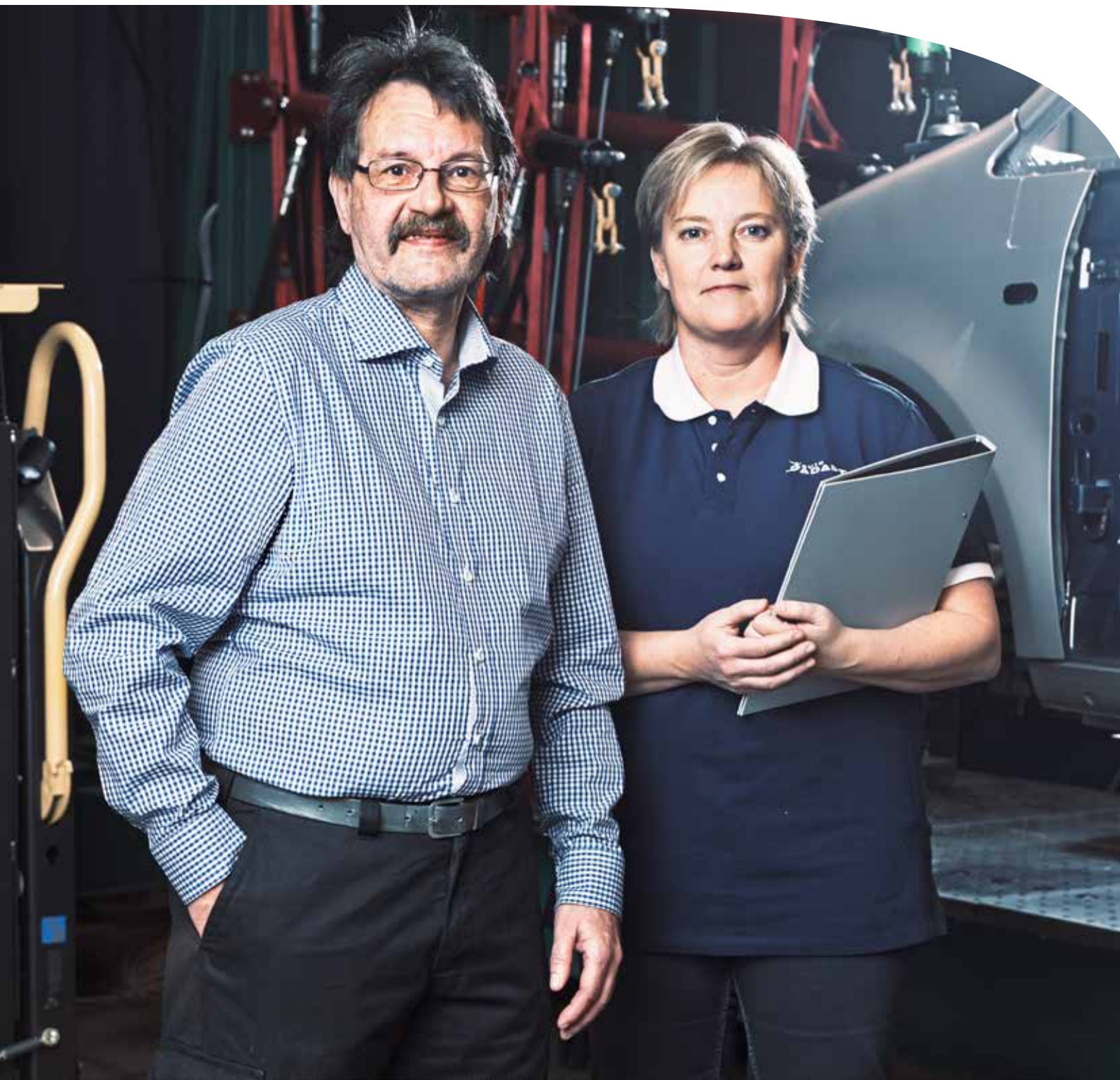




Climate, Vibration, Durability, Crash and Pull tests are examples of what our products have to endure before going into production. In 2007 we invested in a Pull test rig.

” 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











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