



Concept: TruckSAFE - Comfortparking Motorway parking 4.0

TruckSAFE - Comfortparking focuses on drivers and travellers as people. This is because comfortable, relaxed and safe parking for buses, trucks and cars not only increases the well-being of the passengers, but also road safety.

This convenient parking of buses and trucks makes it possible to rethink the design of existing parking areas, which have long since ceased to be up-to-date and thus have to be adapted to the requirements of modern drivers. In addition to lateral adjustments or the reversal of the parking lot markings, this includes the parking of the buses and trucks with the orientation of the rear to the roadway, which is particularly important in the first truck parking row on rest areas, as well as the laying of the existing car parking spaces. In addition to a reduction in noise pollution compared to users, the emission loads are also reduced compared to users, especially if additional noise barriers are installed as well as an extended greening of the noise barriers and the support structures of the parking towers. An optional ventilation system would also be conceivable, which would be of benefit to trucks in particular without stationary air-conditioning systems, e.g. by a canopy in the form of a photovoltaic system.

At the same time, TruckSAFE - Comfortparking's latest findings and innovations are intended to ensure an efficient interplay between safety, effectiveness, well-being and mobility for all users.

With "TruckSAFE," in addition to top security for drivers and trucks, we also offer innovative basic security and monitoring of the open areas for cars, motorcycles and camping vehicles. * In addition, the design and nature of TruckSAFE also ensures the safety of adjacent residential and industrial areas. In addition, the Comfortparking extension offers an automated supply as well as a unique overnight system with an equally unique wellness and health system, which not only improves the waiting times for charging for drivers of electric vehicles, but also demonstrably improves their attention and health.

Note on *: For so-called private teams (cars with trailers and/or followers) and larger camping vehicles, an additionally designated area should be planned for the parking space design. In order to prevent misuse by commercially used commercial vehicles, these special parking areas should be planned within the TruckSAFE areas. To this end, we have created an innovative solution on the parking lots.

Overall, our parking concepts are the construction of combined parking spaces for all motorway-accessible motor vehicles with the integration of separate commercial and truck areas. Basic security or monitoring of the free areas for cars, motorcycles and camping vehicles * is guaranteed by the design and condition of TruckSAFE as well as the additional safety of adjacent residential and industrial areas.

TruckSAFE - Comfort should also be understood as an extension of the existing infrastructures. These include both managed and unmanaged rest areas, which, due to the extensions as Truck SAFE areas, receive not only safety and economic added value but also particularly high added value in the extraction of areas for the construction of new parking areas in the population.

On the following pages we want to bring you a little closer to the future. A future from which we all benefit and which not only makes our world safer but also cleaner and somewhat liveable and, as a side effect, also accelerates logistical processes, relieves truckers and protects freight. Thus, our concepts not only secure the life and limb of people, but also stabilize the European economy, especially as the number of cargo thefts is significantly reduced.



Concept: TruckSAFE - Comfortparking Motorway parking 4.0

The problem of the lack of parking facilities for trucks has now also reached the media and is generally known. Missing truck parking spaces and the tightening of the adherence to driving and rest times require more and more truckers to drastic parking maneuvers, which usually mean massive and above all life-threatening interventions in the flowing traffic on motorways, especially in and before the entrances and exits of rest areas. Unlit trucks in entrances and exits, which continue in long rows on the narrow side strips of many motorways are increasingly part of everyday life, but also to everyday rear-end collisions, which all too often end fatally.

The new parking space for buses and trucks must be created, all people should actually agree on this, if there were not too often Karl the Beetle, Fluppi the threatened snail and other pseudo-alibis against the development of extended rest areas. Too often, already begun developments fail because of natural good-rage-against-everything - citizens and unscrupulous local politicians, for whom voter capture over trendy eco-topics is more important than actual human lives.



Death trap rest area

Unfortunately, the grievances in the existing parking lots are less well known due to the lack of protection of the park users. Again and again, truck drivers and now also mobile campers are victims of violence by gangs of thieves, which always proceed unscrupulously to steal a cargo or valuables.

In addition to the increasing number of accidents of trucks due to fatigue, it is all the more frightening that truck drivers or trucks become the focus of terrorists, as the attacks in Berlin, Barcelona, Nice and Stockholm showed most vividly. The truck as a weapon is a scenario that is not yet conceivable in its overall extent. For these reasons, it is now all the more important to act immediately and to initiate preventive measures in order to protect not only the truck drivers (which would be long overdue) but the general good of the general public. It is also particularly important to gain an overview and control of small trucks and transporters.



Further criteria are inadequate or missing sanitary facilities, affordable accommodation as well as social and medical facilities. This is particularly important considering the current legislation on driving and rest periods.

At the same time, more and more resistance is forming on the part of the population. Often in the form of citizen movements with signature collections and/or online petitions against all development projects for new parking spaces or rest areas, especially for buses and trucks. Burglaries as well as robbery and sexual offences in residential and industrial areas adjacent to rest areas are repeatedly and frequently recorded. In most cases, these rest areas are used as confusing and fast escape routes by criminals, who can hardly be caught. At the same time, contamination of the rest areas as well as the surrounding area and prostitution also play an essential part in forming public opinion.

In addition to the creation of new parking space, our goals in the object and personal protection of rest facilities are primarily in the protection of buses and trucks through video surveillance and the use of security personnel and/or police as well as cost-minimized (max. €25.00 incl. shower) accommodation and sleeping possibilities, especially for registered drivers of vans and trucks without Create sleeping cabin. Furthermore, our concept includes comfortable additional elements such as recreation zones, social rooms, small fitness centers, a health room and automated supply units for unmanaged rest areas in the form of beverage and food vending machines with microwave ovens. Optional are also vending machines for disposable bedding, hygiene and care items, towels, things of daily life, merging dicing, etc. Also the introduction of LASI vending machines with the most necessary things should be considered.



Concept: TruckSAFE - Comfortparking Motorway parking 4.0

Based on the advancing electromobility, the optional integration of our Mobility Trucker concept, which you will find in the annex, is also planned.

Additional protection of car parking spaces is provided by extended flight maneuvers of the intended drones and their thermal reconnaissance options. The system also prevents burglary in adjacent residential areas. See extended additional measures!

The technical measures

:

1. Automated entry controls with transponders or extended driver cards
2. All-round shut-off system with automated restriction system including X-ray system and emergency lock
3. Dimmable illumination of the entire area
4. Automated registration system
- 5.
6. 20 St. Solar Tower for Truck
7. "ThermoFly" drone system
8. Lighting and video system
9. Doorman's cabin with surveillance technology
10. 2 st reception and service robots
11. 1 st. Safety and service robot
12. 2 St. Module as social and/or medical room
13. 4 pcs. sanitary modules (SPACE one *)
14. 6 pcs. automatic SALE modules (SPACE one *)
15. 3 St. Rest modules (SPACE one *)
16. 1 st Wellness VR module (SPACE one *)
17. 30 overnight modules (SPACE two *) incl. filter and cleaning system

The personnel measures

1. Inspection passes on the site
2. Patrol service with the vehicle
3. Cleaning, maintenance and repair service (outsourced)
4. Optional patrol service via manned drones



Concept: TruckSAFE - Comfortparking

Automated parking for cars against lack of parking space for trucks

The "TruckSAFE Comfortparking" parking concept is the construction of combined parking spaces for all motorway-accessible motor vehicles with the integration of separate commercial and truck areas. Here, a basic security or monitoring of the free areas for cars, motorcycles and camping vehicles * is guaranteed by the design and nature of similar Truck-SAFE as well as the additional safety of adjacent residential and industrial areas.

"TruckSAFE Comfortparking" should also be understood as an extension of the existing infrastructure. These include both managed and unmanaged rest areas, which, through the extensions as "TruckSAFE Comfort Parking" areas, receive not only safety-related and economic added value but also particularly high added value in the acquisition of land for the construction of new parking areas in the population.

Note on *: For so-called private teams (cars with trailers and/or followers) and larger camping vehicles, an additionally designated area should be planned for the parking space design. In order to prevent misuse by commercially used commercial vehicles, these special parking areas should be planned within the "TruckSAFE Comfort Parking" areas.

Foreword to the situation regarding the expansion of existing truck parking areas at rest stops and car parks

The expansion of existing truck parking areas on motorways has already proven to be very difficult for several years. Again and again, expansion plans encounter resistance on the part of citizen movements and/or misguided politicians for whom the welfare of individual blades of grass is more important than the welfare and safety of people.

Too often, expansion plans for truck parking spaces come to a standstill with the argument of nature conservation, because an expansion naturally also requires land area. Land areas on vegetations on the edge of motorways, but of course also always somehow declared by resourceful and overzealous people in the most peculiar ways as a nature reserve to do only one thing, namely to prevent parking areas for hated trucks, even if sometimes only a short time later for the same areas, voted by the same people, for example for a leisure park.

De facto, an expansion solution must be created that not only satisfies all participants, offers maximum safety and hygiene, but also in no way offers an ecological-political attack surface.

The solution is automated parking garages

Especially on larger rest areas, the car parking spaces are usually very generous and, above all, large. In most cases, these are also arranged with additional lanes, very large access areas (over-wide footpaths) and green areas. Unfortunately, these nicely meant oases of well-being offer the car drivers a very great comfort that is at the expense of the usually very barren truck parking spaces and their drivers.

Concept: TruckSAFE - Comfortparking

Automated parking for cars against lack of parking space for trucks

Costs for expensive soil assessments, drainage of the soil, additional soil and earth construction measures are eliminated. Since most existing truck parking areas on motorways can be based on an area aligned with the roadway, ascents and descents can be directly linked to the ascents and descents of the rest areas. Thus, civil and political countermeasures in terms of environmental and nature conservation can be circumvented in most cases.

Construction costs can be significantly reduced by installing prefabricated automated parking towers. That would reduce the area of sealed floors and abruptly almost double the parking areas.

In order to give the whole thing a "green" coat of paint, the noise barriers and the support structures of the park towers could be greened. Climbing plants are planted in troughs that stand on the ground and are also watered there. This could be taken over by the cleaning staff who look after the toilet facilities anyway. The open side surfaces are "latticed" with steel cables so that the plants can grow up.



With the truck snout full of noise and dirt can soon be a picture of the past



Concept: TruckSAFE - Comfortparking

Entry controls with the Autobahn MultiCard

Inlet control with the biometric "Highway MultiCard"



The basis is the biometric payment card of one of the leading companies in the payment card industry. It is also the world's first biometric payment card that allows customers to authorize payments via a fingerprint sensor and otherwise legitimize themselves.

Technology is changing the way individuals can prove their identity. Using biometrics improves the security and usability of our identities with the simple pressing of a finger or scan of a face or iris, ensuring that our identities remain our own.

Proving our identity is particularly important when it comes to payment processing and other identity-related transactions. With the biometric highway MultiCard, people authorize payments via a fingerprint sensor embedded in the card in addition to unique identification at the entrance. But also a variety of other important things of everyday life, which require proof of identity can now be handled absolutely safely. To ensure privacy, the biometric data is securely stored in the chip and never leaves the card.

Apart from increased security, nothing changes for the cardholder, the merchant, the authority, the service provider, etc. With this fully EMV compliant card, transactions will continue to be made by tapping or inserting the card into a merchant POS terminal. With the Autobahn MultiCard, however, the transaction is authenticated at the same moment as the card is tapped. This means that the contactless entry, identification and payment method can be used regardless of the amount of the transaction or threshold. This makes transaction security even more convenient and hygienic. This applies in particular to contactless access to the TruckSAFE comfort parking areas and their areas.

Multifunctionality of the Autobahn MultiCard

Application diversity through biometrics

Each motorway MultiCard is unique as you are and therefore flexible in the application and use of personal and confidential data.

Precisely for these reasons, the Autobahn MultiCard offers many possible applications, which relieves you of a lot of effort, time and unnecessary ballast.

No more additional ID cards for access control to the TruckSAFE Comfortparking areas and all access areas, such as toilets, showers, wellness and relaxation areas as well as the SPACE apartments, which can be booked and billed directly via the cards, as well as all other paid options and purchases.



Concept: TruckSAFE - Comfortparking

Entry controls with the Autobahn MultiCard

An overview of the possible applications:

- Admission control to the TruckSAFE comfort parking areas
- Check-in incl. overnight stays with time recording
- Preventive access monitoring of the individual areas to protect users and equipment against damage and crime
- Convenient payment processing of paid options as well as for machines and equipment

The advantages at a glance:

- High security against abuse and crime
- Reliable verification possibility, e.g. for driving personnel vis-à-vis dispatchers
- High personal and property protection against abuse
- Increased insurance coverage
- Reliable means of proof against abuse and criminal acts

That's why the Autobahn MultiCard offers so many possible applications

Since each card can be retrieved absolutely forgery-proof by the biometrically confirmed data in the form of a fingerprint of the verified user, any data protection concerns are eliminated.

Additional application possibilities of the Autobahn MultiCard

The special card for hazards or persons with suspicions

Since each card is absolutely forgery-proof by the biometrically confirmed data in the form of a fingerprint of the verified user, these data are also reliable evidence, which also exist before each court as evidence. This is particularly important for so-called hazards and/or. People with suspicions, especially since in this way not only reliably controls the cash flows. But can even be interrupted.

In addition, reliable positioning systems can be integrated into the maps and thus also allow direct control. Thus, special activities can also be documented overall.

The issue of the Autobahn MultiCard

Via road traffic offices to customs

The motorway card for every motor vehicle user using German federal motorways shall be issued free of charge via customs upon entry into the Federal Republic of Germany and the road traffic authorities against proper registration on presentation of a valid driving licence and identity card or passport. For postal delivery, e.g. after an online registration, a processing fee may be charged. Passengers are required to identify themselves at check-in. In this case, a valid identity document is to be photographed, for example via the receiving robot, and assigned to the motor vehicle user in order to be able to investigate any damage and losses.

Concept: TruckSAFE - Comfortparking

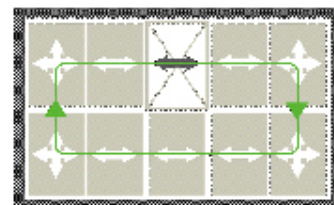
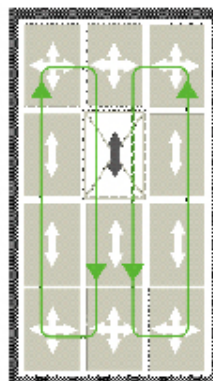
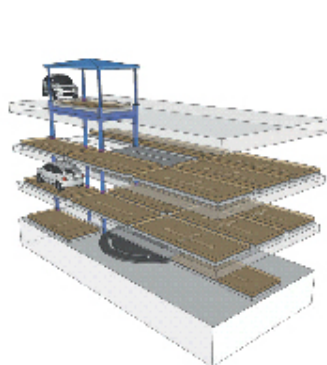
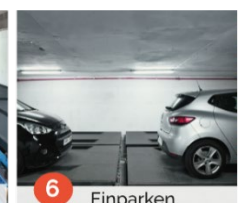
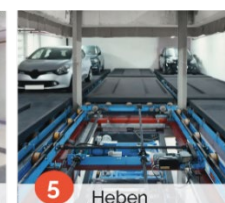
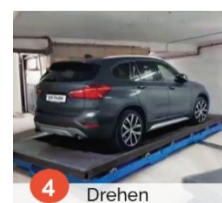
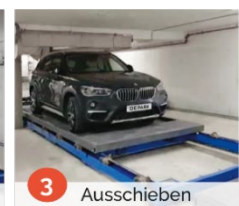
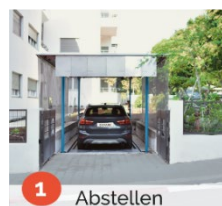
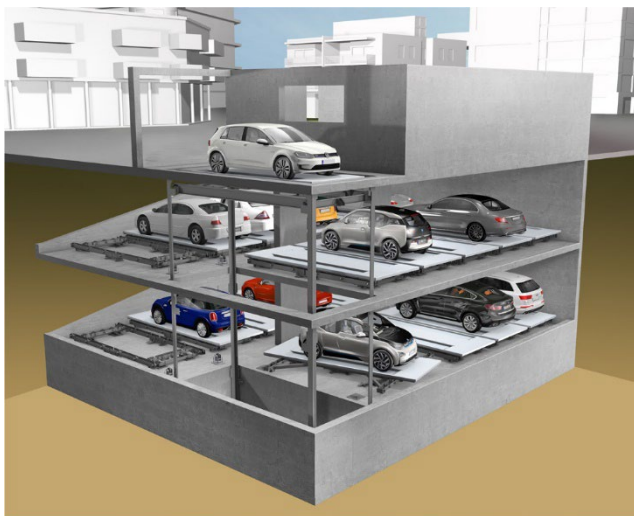
Automated parking levels for cars against truck parking shortage

At TruckSAFE Comfortparking, passenger cars will be used in fully automated robot-controlled parking towers in the future. The space savings compared to the original parking areas and the associated access areas are between 80 and 85%. The areas thus released can thus be converted into truck parking spaces with little effort, which leads to an increase in the capacity of truck parking spaces of at least 45%. Thus, the current problem of missing truck parking spaces could be solved without having to create additional infrastructures or without having to use additional land areas.

Automated parking systems create the highest possible parking density, with maximum space utilization, using the latest technology in development and production. In addition, the annoying search for a parking space is eliminated. The vehicle only has to be parked in the transfer cabin and the system automatically transports the vehicle to a free space within the system.

Furthermore, the individual cabins can be equipped with a charging device for electric vehicles and thus the grid expansion of electromobility can be significantly expanded.

The parking levels and the lift system are equipped with an innovative conveyor system for rearranging the vehicles on pallets in the X Y direction. This results in fully automatic parking in the XY puzzle principle on 1 to 4 parking levels for up to 50 vehicles in at least 2 rows in succession.



For more information, please refer to the enclosed automated parking system!

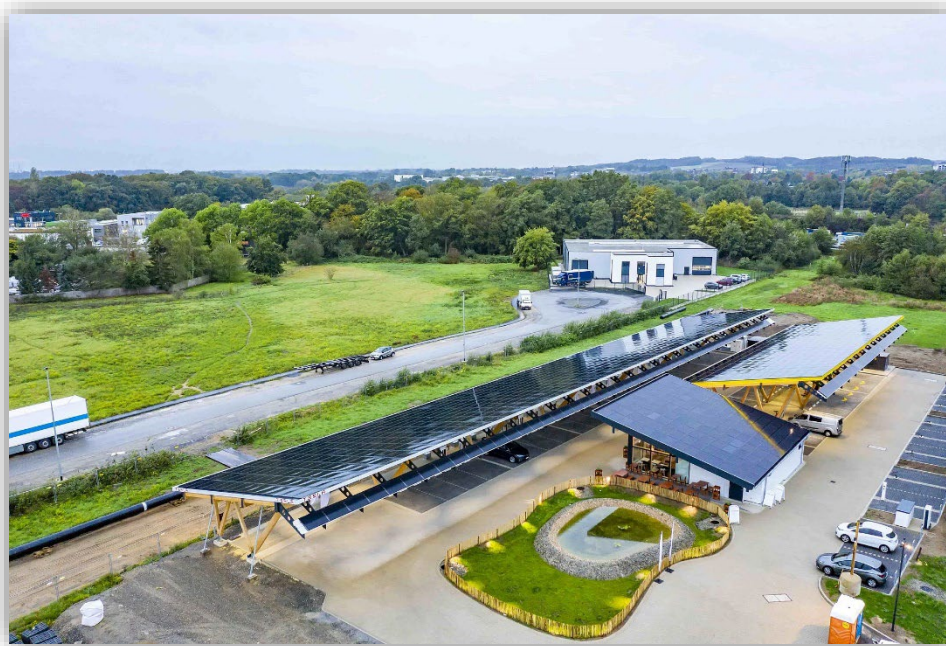
Concept: TruckSAFE - Comfortparking

Automated parking for cars against lack of parking space for trucks

Extension of the parking areas incl. parking facilities for car combinations and additional options for safe driving

In order to provide enough parking space for so-called passenger cars, i.e. cars with trailers, without blocking the lower parking spaces for buses, trucks and heavy transport, we have planned specially designated parking bays for this purpose. The separate parking bays are placed in such a way that the users are exposed to minimal maneuvering effort.

A typical example, German wrong planning



Maximum wasted space for whatever, only too few parking spaces for trucks, that is the current picture, German parking space design on motorways, despite known problems of lack of truck parking spaces

In order to prevent the criminal transport of chemical and biological substances, such as narcotics, drugs, medicines, etc. as well as people and weapons, the entrances to the TruckSAFE comfort parking areas are additionally equipped with special vehicle scanners that go beyond the usual X-ray.



Concept: TruckSAFE - Comfortparking

Autonomous recreational and gastronomic culture incl. "SPACE DeLux Apartments"

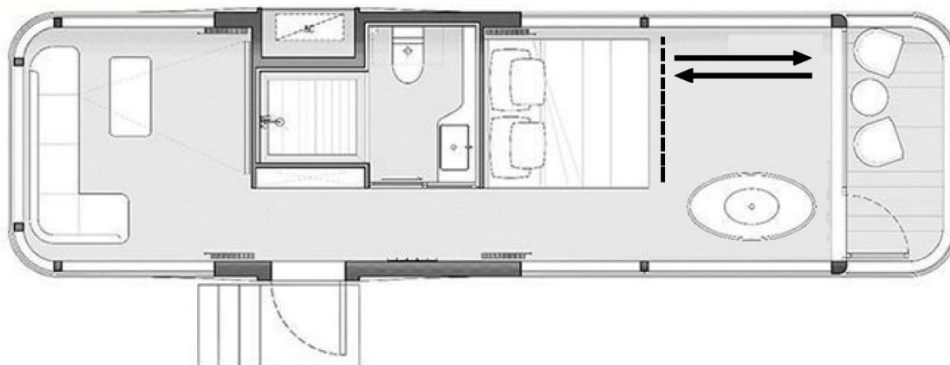
The sanitary and accommodation modules in question are commercially available prefabricated house modules that are adapted to the requirements of "TruckSAFE Comfortparking."

Details on the application modules:

With a space requirement of only 40 square meters, the SPACE modules offer optimal use of the edge surfaces, especially on rest areas. In addition, the structure of the individual modules offers generous design options. So it is even possible to distribute several smaller units instead of a single overnight complex.



In addition to self-sufficient electricity and TV, the individual cabins also offer WLAN and LED window fronts for relaxed privacy.



In the sleeping area, the double bed can be comfortably converted into two single beds via rails. Foot to foot separated by an integrated retractable room separator, two truckers can also share a module. In addition to a spacious living room with large-screen TV and comfortable seating area as well as a bathroom with shower, toilet and washbasin, an inviting veranda invites you to a relaxing evening

Concept: TruckSAFE - Comfortparking

Accommodation upgrade "Apart DeLUXE"

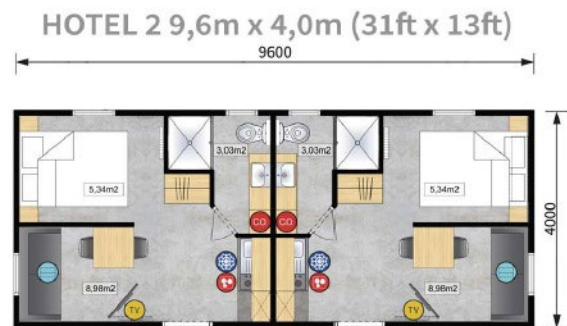
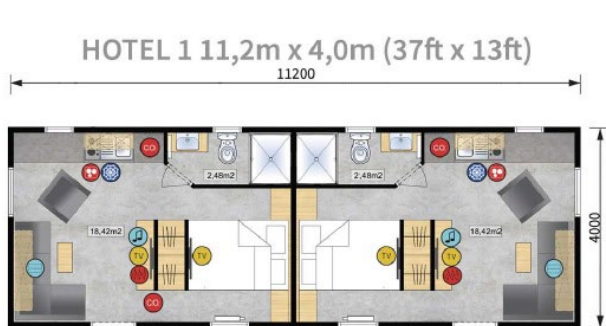
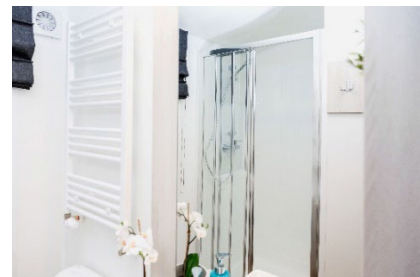
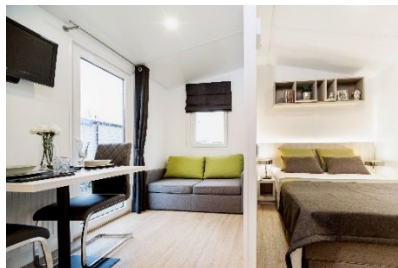
Automated rest areas Safety level 5

The equipment features at a glance:

- own bathroom with shower cubicles and WCs
- Separable double beds with rail system and extendable room separators
- Comfortable seating groups
-
-
-
- Self-cleaning toilet seats
- Sensor-controlled wash fittings
- Sensor-controlled disposable towel and soap dispenser
- Switchable air purification systems including decontamination units that clean and sterilize the room air and remove bacteria, viruses, fungi, spores, particulate matter and toxic gases.

Our modular system "SPACE Apart DeLUXE"

Variable in size and equipment



Concept: TruckSAFE - Comfortparking

Accommodation upgrade "SaniSAFE DeLUXE"

Automated rest areas Safety level 5

For the reasons mentioned above, we also offer our practical luxury alternative "SaniSAFE DeLUXE" to our original CUBUS sanitary modules, which in addition to the comfortable aspects above all offer hygienic and disabled-friendly advantages.

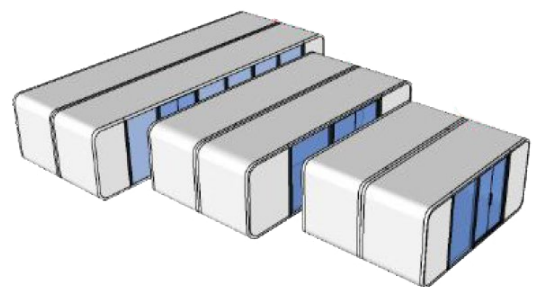
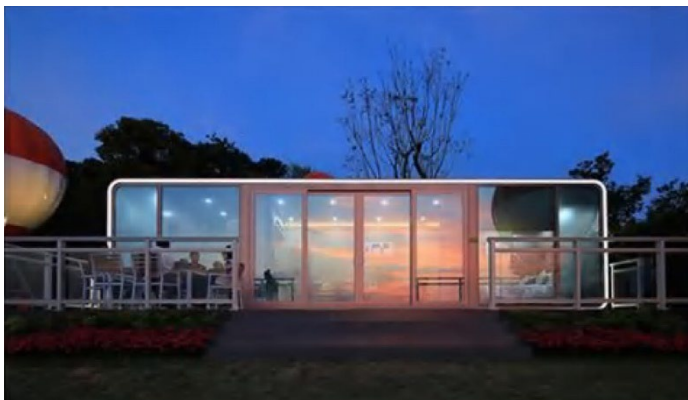
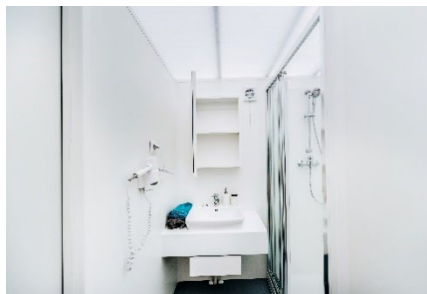
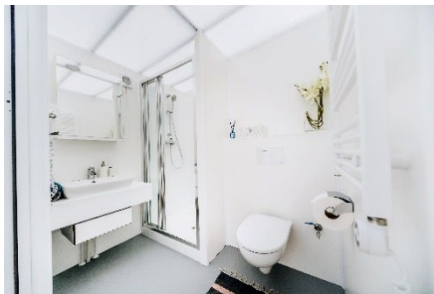
In addition, this system is fully compatible with our module system "Apart DeLUXE."

The equipment features at a glance:

- Single modules with optional double occupancy for professional drivers
- Self-cleaning toilet seats
- Self-disinfecting and cleaning shower cubicles
- Single shower cabins with fixed access elements (no shower curtains)
- Sensor-controlled wash fittings
- Sensor-controlled disposable towel and soap dispenser
- Switchable air purification systems including decontamination units that clean and sterilize the room air and remove bacteria, viruses, fungi, spores, particulate matter and toxic gases.

Our sanitary module system "SaniSAFE DeLUXE"

Variable in size and equipment



Concept: TruckSAFE - Comfortparking

Accommodation upgrade "FittWell DeLUXE"

Automated rest areas Safety level 5

Introduction/justification

The shortage of professional drivers has been seen for years as a "growth brake" in the transport and traffic business and the demographic development will further exacerbate this situation.

In addition to the structural scarcity, there are other reasons for the lack of bus and truck drivers, which are largely due to the work situation. The situation of professional drivers is often characterized by long working hours, low pay and a high degree of psychological and physical stress. In addition, drivers often find the appreciation on the part of employers inadequate.

In this article, we look at ways to improve one aspect of the work situation, namely physical health.

What is the health situation of truck drivers?

A frightening number of truck drivers suffer from various physical ailments, especially from back pain. Due to lack of exercise and the unnatural posture when driving, tension arises, which, if left untreated, can lead to chronic changes in the skeletal and muscle apparatus. Nutrition also plays a very important role in the health of drivers, as unbalanced nutrition combined with lack of exercise leads to obesity.

These poor health conditions of professional drivers also cause serious problems for the employer. The retirement age of people from transport occupations is on average below the statutory retirement age and long-term sickness losses are becoming increasingly common. Especially in view of the lack of young talent, this is very problematic for employers.

Why promote the health of truck drivers?

By improving the work situation, the health and working capacity of current drivers can be maintained and younger employees can be interested in the profession. Fitness and health ensure long-term desirable results, fewer illness losses and more satisfied employees. The increase in the appreciation of drivers, which would be felt through health offers, is of great importance especially in today's world, as employees increasingly exchange ideas about employers on social media and the competition for drivers is currently very high. In addition, job matching platforms, as well as TruckJobs, enable the easier change of employer, since the promotion of health can be a very strong argument for the possible stay with that same company.

The considerable potential of health management to counter the current problems in the transport and forwarding business legitimizes the effort for employers.

Concept: TruckSAFE - Comfortparking

Accommodation upgrade "FittWell DeLUXE"

Autonomous rest facilities safety level 5

Are there tax advantages for the health promotion of truck drivers?

The state offers every employer an opportunity, of which only very few know. In addition to the remuneration, each employer has the option of paying tax-free and non-contributory health promotion grants to employees. In order to improve the general state of health and workplace health promotion, €500 per employee and calendar year is available tax-free and thus also contribution-free. Workplace health promotion includes measures to change exercise habits and work-related physical stress, but also for nutrition and company catering. The employer can either offer the measures directly himself or have them carried out externally.

Health promotion as a competitive advantage in the fight for personnel

In view of the shortage of drivers, due to the lack of attractiveness of the profession and the demographic development, the improvement of the working conditions of truck drivers is now more important than ever. The study by the University of Stuttgart clearly shows that health promotion has great potential for improving the work situation. With the measures we have proposed, you could make your offer more attractive for companies with relatively little effort in order to stand out in the competition for professional drivers. On job platforms, just those offers can be the beating argument for future employers.

The same applies to sales representatives, assembly workers and businessmen.

Concept: TruckSAFE - Comfortparking

Accommodation upgrade "FitWell DeLUXE"

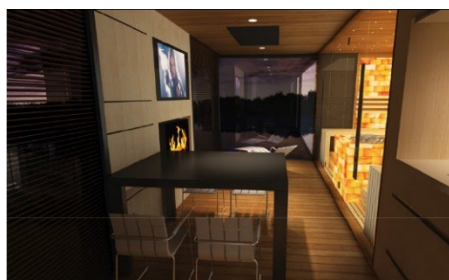
Automated rest areas Safety level 5

The module system offered here is of course also completely compatible with our two previous systems "SPACE Apart deLux" and "FitWell DeLUXE" and can be integrated directly into a single construction. Alternatively, the individual module systems can also be set up individually depending on the space available.

The equipment features at a glance:

-
- Whirlpool with LED screen for the presentation of relaxing video sequences. However, advertising sequences can also be recorded here in order to generate further sales not yet taken into account in our calculation.
- Relaxation modules with 5 D massage chairs incl. heat treatments
- VR modules for the massage chairs or LED films on the window fronts incl. relaxation sounds
- Proton generators for the degradation of electrosmog and for the generation of the bio-household
- Air conditioners with humidifiers that spray natural flavors.
- Switchable air purification systems including decontamination units that clean and sterilize the room air and remove bacteria, viruses, fungi, spores, particulate matter and toxic gases.

Adjacent SaniSAFE DeLUXE modules ensure thorough and almost perfect hygiene.



A whole piece of comfort and well-being on the way to a deserved evening off



Concept: TruckSAFE - Comfortparking

Automated catering culture including "check-in robots"

From check-in to equipment parks

From entrance control to check-in to automated gastronomy and wellness culture, with your identity you are a welcome guest and enjoy a comfortable stay. For your own safety, you can use it either via your driver card or via your personal Park ID card, which you can obtain comfortably and free of charge by registering (of course also free of charge) your identity card or passport immediately at one of our terminals in the Truck-SAFE Comfort areas, all the amenities that our areas offer.

In addition to an automated check-in to the apartments, the area of Gastrokultur offers a variety of accesses and equipment parks that should make the stay as pleasant as possible.

From the classic hot beverage machine to comfortable Automatic menu and snack machines up to individual material vending machines, which e.g. disposable bed linen, sanitary and Hygiene articles and much more. should include the concept as far as possible fulfill many wishes. - Also vending machines with the necessary The most durable lesions and wear articles should Apply

Convenient and safe access via the motorway MultiCard, which the users directly after Registration will be regulated.

A multilingual briefing ensures professional Receiving robot!



A small insight into the future of contemporary parking on motorways



Through safety, comfort and relaxation to a better journey and fewer accidents

Concept: TruckSAFE - Comfortparking

The "TruckSAFE" safety concept

The safety systems "Thermo- u. ThermoFlyCom"

With mobile handheld devices and thermal cameras pre-mounted on drones, we can record and evaluate the finest temperature fluctuations in conjunction with a sophisticated computer system and sensitive, intelligent software. This allows additional risk factors to be identified at an early stage. The system is supported by microwave, UV and infrared sensors to ensure all-round protection.

In addition to material, gaseous and chemical substances, such as, for example, narcotic gases, drugs, explosives, weapons, etc., the detectable risk factors are also tense situations, such as increased willingness to use violence and/or alcohol consumption, fear, panic, etc.

In addition to visual monitoring, the flying safety system includes the following services:

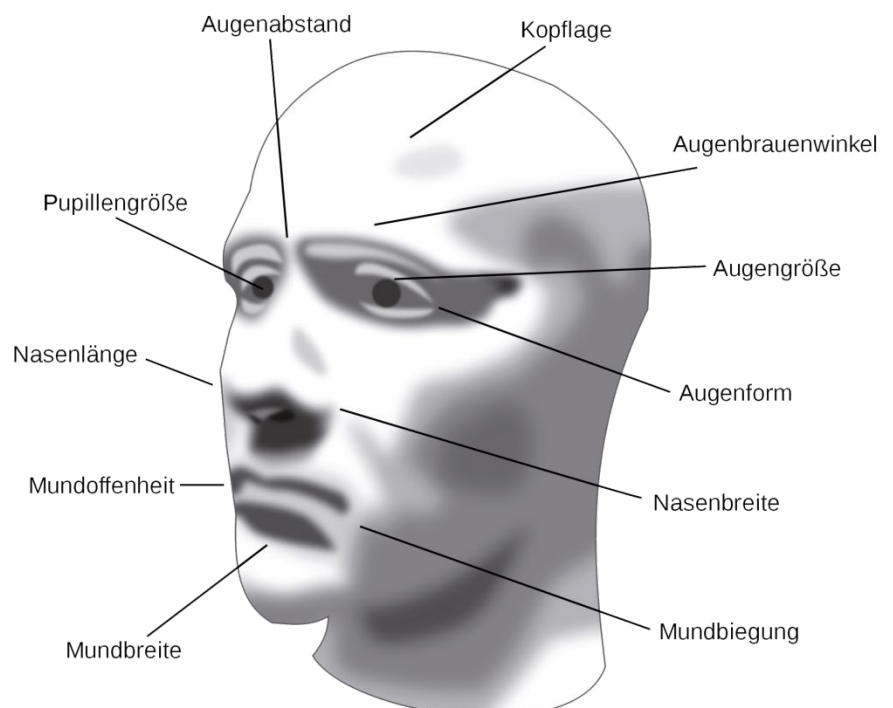
1. Infrared and microwave-based human ethology * taking into account multicultural behavioral, gestural and facial patterns
2. Audiovisual emotion induction including proven facial and gestural recognition according to the latest prosody classification ** (see graphic)
3. Detailed thermographic representation and monitoring of emotion induction under biospectral observation and evaluation of temperature-chemical behavior processes
4. Material and shape detection, e.g. nature and composition of explosives, gases, chemicals, weapons etc.
5. Ensuring emergency communication through an independent, independent announcement and communication network which is pre-installed on the drones
6. EMP - Converter In this way, non-cooperative vehicles can be braked in a controlled manner at short notice, e.g. when breaking barriers

Human ethology *

Human ethology is a department of ethology that deals with proximal, i.e. direct characteristics human behavior and its deeper Causes dealt with.

Prosody classification **

Automatic detection of set mode accent and Phrase boundaries in a speech-understanding system.



Concept: TruckSAFE - Comfortparking

The "TruckSAFE" safety concept

The safety system "Thermo- u. ThermoFlyCom"

The hand-held thermal monitoring devices are professional thermal imaging cameras with infrared and microwave sensors, which can optionally be supplemented with human ethological software.

Details on the deployment models:

With a temperature measuring range from -20°C to $+600^{\circ}\text{C}$, a therm. Sensitivity of only 0.05°C (at 30°C) and a detector resolution of 384×288 pixels, this thermal imaging camera trumps very large.

These thermal cameras feature a real image camera, a photo light and DuoVision display options for real-time display of superimposed infrared and real image.

Advantages for practice:

1. Fully radiometric IR cameras from original EU production
2. 50 Hz real-time measurement and real-time image reproduction guarantee clear, high Qualitative thermal images
3. High thermal sensitivity
4. High geometric resolution
5. Precise temperature measurement on the whole picture
6. Dual button touch display control
7. 5-megapixel digital camera for brilliant real image recording
8. Robust, shock-proof design in two-component design with protection class IP54
9. Folding 3.5 inch touch color display
10. DuoVision function for picture-in-picture display
11. Integrated laser pointer
12. Diverse measuring functions
13. Bluetooth voice recording possible (optional)
- 14.



Recordings of students with the thermal imaging camera. Already here, the individual facial parameters be recognized quickly. Fear, stress and aggression can be assigned with the appropriate software.

Concept: TruckSAFE - Comfortparking

The "TruckSAFE" safety concept

The safety system "Thermo- u. ThermoFlyCom"

The drones in question are professional precision drones with additional rotors, which are used, among other things, for surveying and search. They also easily raise heavy equipment. Created for practice, they can therefore be equipped with thermal monitoring in the form of professional thermal imaging cameras with infrared and microwave sensors, which can optionally be supplemented with human ethological software. In addition, these drones can also be supplemented with real image and UV cameras. **Optionally, the drones can be programmed for fixed flight paths and times with fully automated take-off and landing maneuvers. A fully automated algorithm in the temporal sequences makes the system almost unassailable.**

Details on the deployment models:

With a lifting power of up to 40 KG and a flight time of up to 360 minutes, the drones in question are particularly suitable for monitoring the forest edges, which are usually adjacent to the rest areas.



The special requirement profile for security personnel

In addition to a flawless reputation, the security personnel are taught in a 40's instruction, in weapons science, in first aid and in the direct use of the technical equipment. Alternatively, applicants with a commercial instruction under 34a are also eligible.

After successful information, the applicants take an additional examination in addition to the official examinations in the handling of the technical equipment, in particular in the handling of the drones at the operator. In addition to controlling the drones, this also includes the acquisition and evaluation of thermal data. Furthermore, applicants complete training in escalation management.

In addition, applicants are subject to a review in order to be able to exclude possible extremist activities and/or connections. Of course, foreign language skills and/or a possible military career are an advantage.

Optionally, the security personnel can also carry out additional checks during driving and rest periods.

Concept: TruckSAFE - Comfortparking

The "TruckSAFE" safety concept

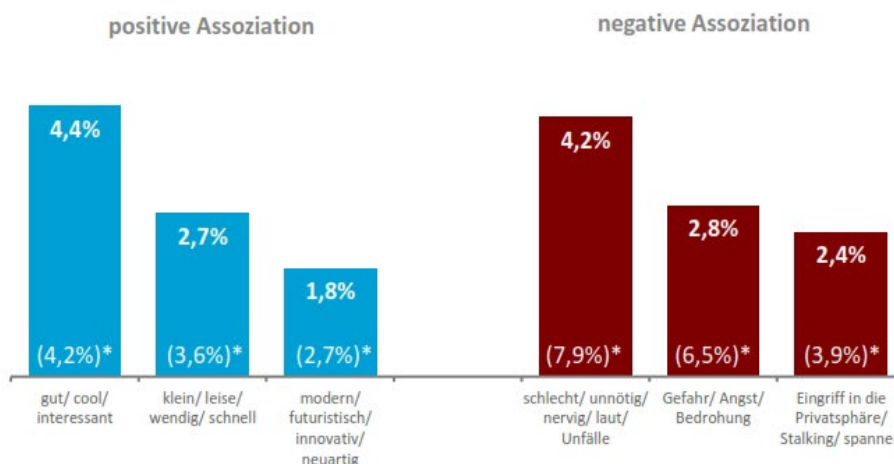
**Excerpt of the survey by the Unmanned Aviation Association:
"What do Germans think about unmanned aviation"**

Already today, the desire for security is clearly evident

The figures shown here clearly show that acceptance of drones for education and preventive measures against crime are also the top priority among the population. Securing our borders with drones is also clearly on the wish list of the German population.

Begriff „Drohne“: Negative Assoziationen sinken

Erste Assoziationen mit dem Begriff „Drohne“



*(Wert aus 2019)

23.06.2022

5

Methodological notes:

The data used is based on an online survey by YouGov Deutschland GmbH, in which people participated in 2020 between 24 and 26 October 2017. The results were weighted and are representative of the German population aged 18 and over. The YouGov Panel Germany currently includes 200,000 panelists.

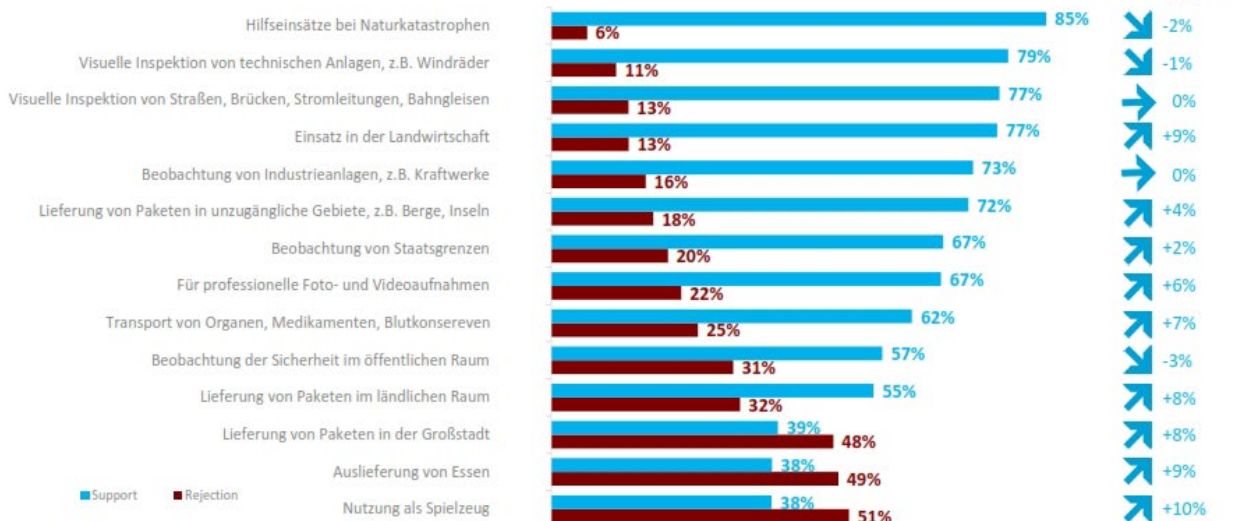
The sampling is done by chance from the population of the panel. The resulting sample is weighted in addition to the quota in order to ensure a population-representative target distribution. When defining quotas and weighting, we align ourselves with the data of the microcensus - based on the characteristics of age, gender and region.

Concept: TruckSAFE - Comfortparking

The "Truck SAFE" safety concept

Befürwortung von Drohnen steigt in fast allen Anwendungsszenarien

Einsatzzwecke ziviler Drohnen

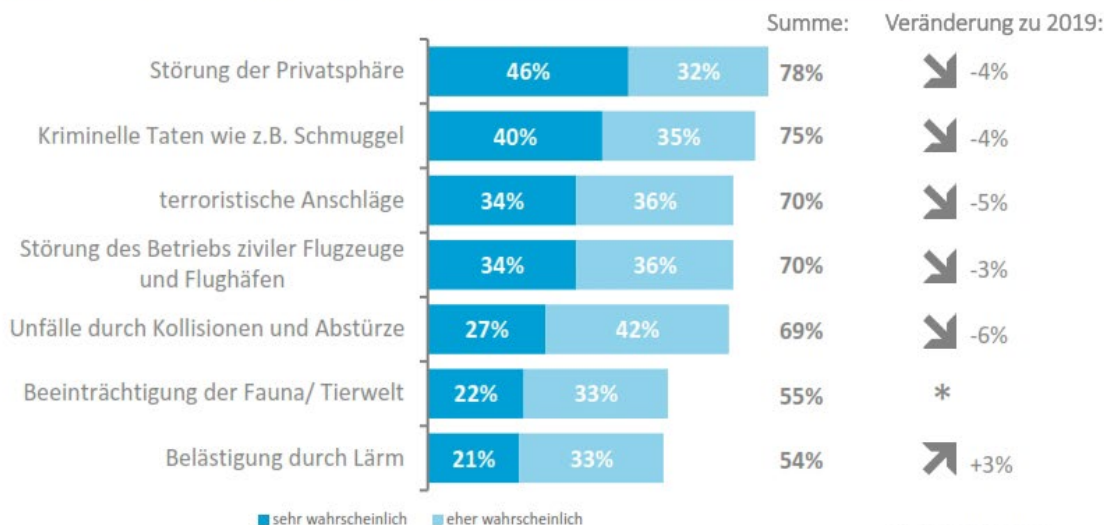


23.06.2022

6

Skepsis gegenüber Drohnen sinkt

Herausforderungen durch zivile Drohnen



23.06.2022

* in 2019 nicht abgefragt

7

Concept: TruckSAFE - Comfortparking

The "TruckSAFE" safety concept

Optional additional options for the benefit of the transport industry

After additional basic qualification of the authorities concerned, the security personnel can also carry out any additional checks on driving and rest times, vehicle condition and load securing. Support from the authorities would be envisaged here and should not be regarded as a substitute for them. In the case of gross violations and/or unlawful acts, the security personnel is only entitled to arrest the driver concerned together with the vehicle until official personnel of the authorities arrive, which must be notified immediately at the moment of suspicion by the security personnel. Furthermore, the intake control points could be expanded with vehicle scales and any violations could be immediately recorded and reported electronically. A screening of the vehicles for conspicuous substances and persons can also be carried out by the provided thermal scanners.

The conclusion is that the above-mentioned measures would relieve the burden on the highway police and the FOPH and allow them to concentrate their activities more on flowing traffic.

In cooperation with the job offensive "Next Heroes" (see BGV driver recruitment under: www.BGV-ev.de), a driver pool with category 1 and 2 drivers, i.e. with little driving experience, can optionally be established. The drivers from this pool would then be on call or ggfl. directly on site at various rest areas, which have social rooms available as jumpers. In practice, this would mean that drivers who have too long driving times agree to a driver change after consultation with the respective disposition and the driver can drive home with the too long driving time after an appropriate break. Processing can take place directly on site in the existing social rooms.

Additional options with Bosch Secure Truck Parking

In direct partnership with Bosch Service Solutions, we have also been offering a digital parking guidance system for buses and trucks since 2018, which we want to expand with a special messenger for professional drivers from 2024. Here, drivers have the opportunity to book and even reserve a secure parking space on and around motorways and in industrial areas as well as a charging station for electric vehicles on TruckSAFE areas. One of the many advantages is the correct coordination with the driving and rest times.

The advantages of this solution are in detail:

- Real-time information about available pitches
- Reservation of pitches
- Secure parking areas with security ranking
- Access control via number plate recognition
- Cashless payment
- Transparent reporting of parking processes
- Live notification of the dispatcher about parking processes
- **Direct alerts to police and affiliated security services in emergency situations**

Extended parking space

In addition to parking spaces on motorways in car parks and rest areas, from 2018 the FahrGut Club and Bosch Solutions will increasingly address logistics, industrial and commercial companies in the immediate catchment area of motorways and federal highways in order to release additional parking space volume there.

If the above-mentioned providers meet the framework conditions specified by Bosch Solutions or Bosch Secure Truck Parking, they will be equipped with additional technology to meet the safety criteria of the new de minimis funding as of the funding period 2018 and to be able to use the service offer of Bosch Secure Truck Parking.

Concept: TruckSAFE - Comfortparking

Mobility expansion "Mobility Trucker"

In view of the new regulation of 2018 of the statutory Driving and Rest Time Ordinance for professional drivers and the resulting ban on overnight stays in their own vehicle on public holidays and weekends as well as the limited overnight capacity at car and rest stops, clever mobility solutions for affected professional drivers are urgently necessary so that they can reach a suitable overnight accommodation option.

For these reasons, the FahrGut Member Club has developed its latest project "Mobility Trucker," taking into account innovative car sharing offers and in coordination with various rest area operators.

What is "Mobility Trucker"?

Mobility Trucker is the corporate car sharing of the future. Because with this clever mobility solution for professional drivers, you as a freight forwarder not only save cash (no expensive taxi or car rental costs) but also have only one cost center nationwide as well as a monthly billing. At the same time, your driver remains mobile and independent even within his breaks in order to possibly make small errands or, for example, to be able to go out for food at low cost.

Another added value at Mobility Trucker is, of course, the enhancement of your job description in personnel search or personnel maintenance.

Where should Mobility Trucker be placed?

In the first phase of our pilot project, the vehicles for mobility truckers are to be placed at service stations coordinated with you.

After successful completion of our joint pilot project, we are expanding the network nationwide. In addition, larger industrial areas such as airports, ports, etc. are to be equipped with mobility trucker bases.

Optional added value

Based on the current mobility change in terms of e-mobility, in which Tank & Rast can also participate or should especially the vehicles for mobility truckers have an electric drive, especially since this is fundamentally suitable for limited use with regard to driving and rest periods for bus and truck drivers. In this way, the expansion of the supply network for electric vehicles, especially in rural areas, can also be further advanced, which can certainly also benefit an additional subsidy of the project.

Additional added value consists in upgrading the profession of bus and truck drivers and thus making the much-discussed working conditions more attractive for urgently needed young people and directing the public focus more on the safety of drivers than on freight, especially since the mobility package is currently being renegotiated at European level on these topics.

Concept: TruckSAFE - Comfortparking

Mobility expansion "Mobility Trucker"

What would mobility truckers look like in practice?

You register your company and your truck drivers with our online portal. You will then receive the access cards for your drivers within a few days. You can get started and your drivers can use Mobility Trucker on their tours.

Your drivers then park their trucks at the selected rest stops and secure them. After that, their drivers can use the car-sharing vehicles provided. Before the drivers then board your trucks again, they simply park the car-sharing vehicles back in their designated places. - The billing then runs centrally and automatically accurately.

How much does it cost to use Mobility Trucker?

The use of Mobility Trucker is primarily billed according to a minute price from 0.19 EURO. For one of 4 hours at a fixed price from 29.90 EURO and a use of 24 hours, a daily lump sum of 79,00 EURO will be charged.

What is the billing at Mobility Trucker?

Here, especially for freight forwarders, the advantages lie in a monthly collective settlement. A further advantage is the possibility of differentiating between commercial and private use on the part of the driving personnel, for example if the driver has additionally used a vehicle on a vacation day.

Furthermore, the de minimis funding directive applies here to parking spaces with increased safety precautions, since, for example, a collective invoice could be prepared with the rest area operators. Optionally, it must still be checked to what extent the possibility of implementing external overnight accommodation is possible. For this purpose, it would have to be checked whether, for example, processing via an association or an external billing office via which all overnight stays of bus and truck drivers are recorded and billed is possible.

Information on the eligibility of expenses for the use of parking spaces with increased safety precautions "safe parking" according to No. 1.10 of the catalogue of measures (Annex to No. 2 of the de minimis funding directive) from the funding period 2018 according to the decision of 14.11.2017

Concept: TruckSAFE - Comfortparking "Hitch Mobility" mobility expansion

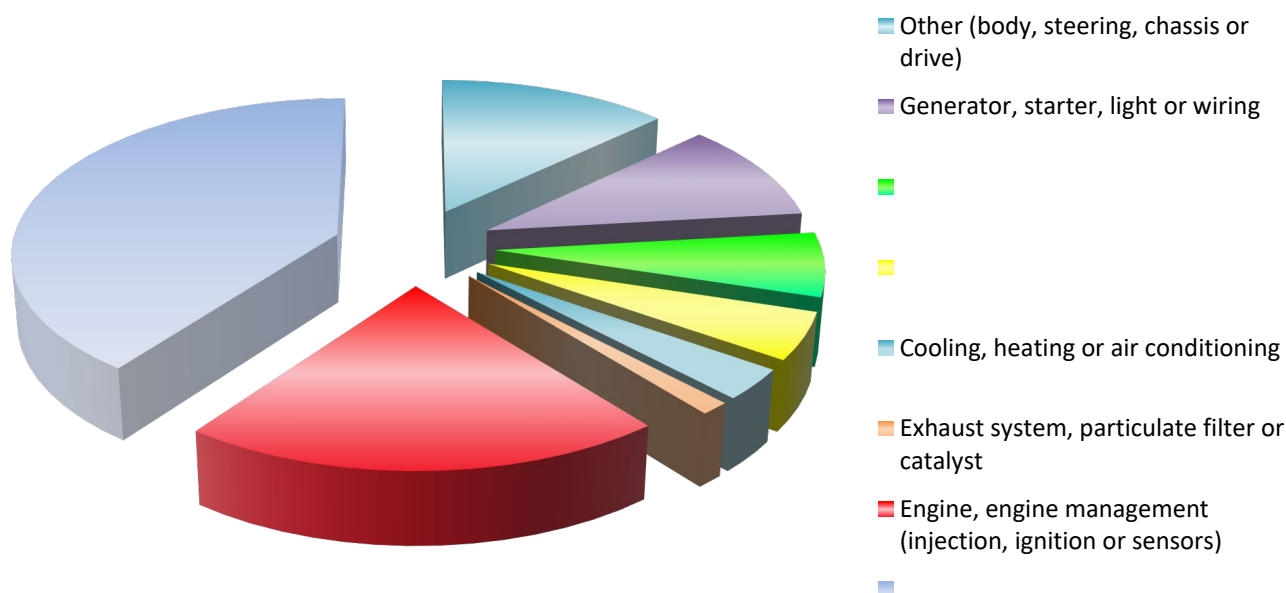
After the successful beta phase of the pilot project "Mobility Trucker," the following expansion under the title "Hitch Mobility" would make sense to ensure long-term utilization and resulting revenues.

Based on the ADAC motorway breakdown statistics published in 2023 and the fact that occupancy of the car-sharing vehicles is only guaranteed for professional drivers on weekends and public holidays in accordance with the applicable Steering and Rest Time Ordinance, these offer an additional great potential for a general car breakdown as replacement vehicles sharing at rest stops

According to ADAC breakdown statistics, there were well over 4 million car breakdowns on German motorways in 2022. Almost every 8. The vehicle had to be towed and repaired in a workshop. For every 3rd of these vehicles, the repair took longer than 2 working days and a rental car was used.

If it is assumed that the carrying of unauthorized persons in a tow truck is only permissible to a limited extent or not at all and if the tow truck driver allows this out of goodwill, this is also possible only to a very limited extent in terms of space, it is obvious that a transport solution should already be offered at the next option, i.e. at the next rest stop. So far, there is only the possibility of ordering a rental vehicle, where there are currently additional waiting times of at least 2 to 4 hours on average.

The most common breakdown causes in 2022



Source ADAC 2023

Concept: TruckSAFE - Comfortparking "Hitch Mobility" mobility expansion

How can Hitch Mobility be handled in the event of a claim?

In the event of a breakdown or accident, the use of car-sharing vehicles from Hitch Mobility should be able to be handled in the same way as rental cars via the automobile clubs and comprehensive insurance. Registration and comparison of user data can be anticipated in the long term by expanding the customer cards of automobile clubs and insurance companies. These could then be activated at short notice in the event of damage. A Schufa of the user is therefore not necessary since in the event of damage the respective automobile club or the respective comprehensive insurance is a contractual partner.

Furthermore, in the long term, the option to convert to a rental car contract should be available depending on the useful life. For example, a traveler who has to take his vacation on a fixed arrival date could handle the vehicle after his return.

Optionally, the return of car-sharing vehicles from Hitch Mobility should also be made possible at stations and airports, so that travellers in the event of damage can alternatively continue their journey by train or plane.



Concept: TruckSAFE - Comfortparking

What does this project mean in sales figures?

Let's assume that all Tank & Rast petrol stations and service stations are equipped with 10 car-sharing vehicles at an average workload of only 3 hours per day and a borrowing fee of 4.00 EUROS over a year, resulting in the following sales figures:

440 rest areas x 10 car sharing vehicles x 3 hours x 4.00 EURO x 365 days = 19,272,000.00 EURO

Let's assume a mixed calculation between Mobility Trucker and Hitch Mobility, in which the professional drivers take full advantage of the car-sharing offer on 52 weekends and on the 17 national holidays of which 9 fall within the week and the average occupancy in the remaining time over Hitch Mobility 3 hours is the following sales figures:

Turnover by Mobility Trucker (24-hour bookings of 50.00 EURO each): 52 WE + 9 public holidays x 440 rest areas x 10 car sharing vehicles x 50.00 EURO = 13,420,000.00 EURO

Sales through Hitch Mobility:

440 rest stops x 10 car sharing vehicles x 3 hours x 4.00 EURO x 304 days = 16.051.200,00 EURO

Total turnover 29.471.200,00 EURO

Additional sales expectation due to TruckSAFE Comfortparking

Mobility Trucker

(24-hour bookings of 50.00 EURO each)

52 weekends + 9 public holidays x 1,500 rest areas x 10 car sharing vehicles x 50.00 EURO = 45,750,000.00 EURO

Hitch Mobility

304 days x 1,500 rest areas x 10 car sharing vehicles x 3 hours x 4.00 EURO = 54,720,000.00 EURO

You should still know that!

Through a partnership with Tank & Rast, Mobility Trucker can subsidize the costs of freight forwarders as follows:

Information on the eligibility of expenses for the use of parking spaces with increased safety precautions "safe parking" according to No. 1.10 of the catalogue of measures (Annex to No. 2 of the de minimis funding directive) from the funding period 2018 according to the decision of 14.11.2017

By integrating automobile clubs and insurance companies, the costs for Hitch Mobility can also be allocated. An additional added value or advantage lies in the simplified processing or registration of the users, since these can be processed in the event of damage via the aforementioned automobile clubs and/or insurance companies.

Concept: TruckSAFE - Comfortparking

The "TruckSAFE" safety concept

Additional options for the health well-being of truckers I

As part of our partnership with the Truckerslife Foundation, stationary fitness equipment is mounted on each rest area. Since the most common diseases of truckers are back problems (41%), overweight (22%), joint problems (14%) and stress symptoms (13%), these diseases can be counteracted very successfully in this way. In addition, stress-related aggression behavior can also be reduced in this way and thus also has a positive effect on the operation of the systems. Changing fitness coaching sessions and events round off the offer in the long term.

Healthy truckers are safe truckers



Additional options for the health well-being of truckers II

Direct cooperation with Doc Stop and the ADAC Truck Service is also envisaged, especially as a medical room is planned for each system. In this way, cost-conscious and effective action can be taken on the health of all truckers and thus also counteract the accident risks of sick truckers.

Concept: TruckSAFE - Comfortparking

Extract from the FOPH on the topic of promoting safe parking

Information on the eligibility of expenses for the use of parking spaces with increased safety precautions "safe parking" according to No. 1.10 of the catalogue of measures (Annex to No. 2 of the de minimis funding directive) in the funding period 2018

Date 14 November 2017

Amount of funding:	80% of eligible expenditure will be supported.
Eligible expenditure:	Net total expenditure in the approval period
Object of conveyance:	Expenses for the chargeable use of a parking space in secure parking spaces in Germany for commercial vehicles intended exclusively for road haulage and their GVA. at least 7,5 tonnes.

Expenses for the chargeable use of parking spaces with increased security measures in the Federal Republic of Germany will be funded in the funding period 2018 if the parking spaces meet at least the following requirements:

- enclosure and access restriction,
- Camera/video surveillance for all entrances and exits,
- sanitary facilities within walking distance and
- uniform illumination of the entire parking lot.

These requirements must be proven by identification on the invoice or by a proven certification.

Billing requirement:

The expenses for safe parking can only be claimed if the sum of the individual amounts reaches at least **a total amount of 125.00 euros (net)**. The individual amounts should be settled by means of one or more collective invoices.

Please also note the provisions on settlement of longer-term contracts (also framework contracts).

In terms of form and content, documents must comply with the requirements of Section 6.4 of the General Ancillary Provisions for Grants for Project Funding (ANBest-P). It must contain the information and attachments customary in commercial transactions. The supporting documents must contain in particular:

- the payee;
- reason and date of payment,
- intended use and
- proof of payment (receipt of the invoice issuer with date and company stamp, confirmed bank or postal transfer or unconfirmed transfer medium together with the associated bank statement).



Concept: TruckSAFE - Comfortparking

Extract from the FOPH on the topic of promoting safe parking

Only expenses for external operators, i.e. no internal expenses (even within a group of companies), may be invoiced.

By submitting the proof of use, the applicant confirms by signature the existence of the minimum eligibility requirements for the reimbursement of fees for the use of secure parking spaces.

Concept: TruckSAFE - Comfortparking

With TruckSAFE - Comfort, safety actually meets maximum comfort for drivers. How this should look in detail we want to summarize at this point again in short words.

Security through detection

The use of TruckSAFE Comfort areas is generally free of charge, but requires admission control.

Admission is checked by recording and storing the official vehicle registration plates. A declaration of consent of the users takes place automatically with the use of the designated parking areas and serves the own and inland security.

When driving on the park areas, the users accept the publicly accessible terms and conditions of use. These will be made publicly available as follows:

1. Signs in the entrance area and on the park areas
2. Publicly displayed folders on the areas in the most important European languages with the terms and conditions and terms of use
3. Publicly available folders in the most important European languages with the terms and conditions and terms of use at car and service stations, petrol stations, etc.
4. Publicly available folders in the most important European languages with the terms and conditions and terms of use at border crossings
5. Publicly available folders in the most important European languages with the terms and conditions and terms of use at road traffic authorities and facilities, such as road traffic authorities, TÜV, DEKRA, ADAC, etc.
6. Own websites as well as information from external websites of authorities, ministries and automobile clubs

Comfort services against registration (partly chargeable)

All comfort services are only accessible to registered users. The registration takes place via terminals in the check-in of the park areas where a scan of the identity card or passport is carried out.

Registration allows access and use of the following areas:

1. Social rooms (free of charge)
2. Shower and apartments
3. Toilets with all-round service and high hygiene standards (free of charge)
- 4.
5. Equipment vending machine parks

Note on registration measures

The registrations are intended to create particularly high safety standards in prevention. At the same time, this should also prevent any kind of damage to property, in particular vandalism and criminal acts.

Furthermore, in the event of damage, damage settlement in the interest of both parties can be handled almost completely, e.g. via time stamps

Concept: TruckSAFE - Comfortparking

Optional charging of electric vehicles

With the Health PLUS option

The parking towers for cars enable direct charging of the vehicles and can therefore also be used as an electric filling station PLUS. Here, the well-being oases with the massage chairs offer not only a pleasant opportunity to spend the loading time, but also to promote it especially health-wise, especially through the use of our exclusive proton irradiation there. According to a BESA study, motor vehicle users generally feel much more relaxed and significantly less sleepy after applying this option.

Hosts and service

Innovative reception and service robots, in addition to a friendly welcome and check-in, serve the users as a guide and contact person in almost all questions as well as give a brief instruction in the equipment not only round off the overall concept of TruckSAFE Comfortparking, but also make it much safer, especially since these AIs break almost all language barriers and thus there can be no communication problems.