

Further information can be found at <https://paraparanft.wixsite.com/fireflydrones>

|| FREIGHTSAFE LTD – Secure Truck Parking

the challenge

Truck parking has long been an issue within the logistics world. Truck stops today are designed to prioritise the sale of fuel, not the truck parking experience. However, the industry is increasingly realising how much of a problem this can cause. A lack of focus on safe, secure parking has led to over \$40bn in cargo stolen every year from the back of trucks, a number that continues to rise year-on-year.

There are many security shortfalls that result from this priority imbalance, such as a lack of suitable fencing, camera surveillance, or on-site guards, meaning that thieves can enter and exit the site in many cases without detection. On top of this, drivers are the ones who have to deal with these safety concerns, yet have no control of the quality of the parking area themselves. The result is an unsafe stay for the majority of a long-haul trucker's day-to-day life, especially with the potentially millions of pounds of cargo that they carry in their trailer, making them specific targets for armed thieves.

All of this can weigh on the mind of the trucker, causing long-term mental health issues due to stress and lack of sleep. Per a US DOT survey, 85% of drivers state finding truck parking as their No.1 cause of stress at work. In an industry where driver retention is already a huge problem for logistics companies, solving the problem of truck parking has to be one of the major priorities at this time.

the innovation

Freightsafe brings together multiple solutions to provide the most complete, unique, secure parking available. The primary aspect of the product is the modular bays in which the truck is parked securely overnight, or for any amount of time in the day, as the owner requires. This bay comes in the form of a steel sheet-cladded aluminium box, and has a full system of remotely-monitored CCTV cameras, with internal motion detection.



Our 10-bay site in Central Barcelona

Additionally, we have partnered with Bosch Secure Truck Parking to combine our security solution with the existing reservation platform that BSTP runs. This allows for trucks to be booked into specific bays ahead of time, to further enable the carriers' ability to co-ordinate logistics opportunities and increase accountability when it comes to potential cargo theft.



Each space is monitored individually to provide an elite level of security

Trucks are pre-booked into a certain bay so that when the driver arrives, they can let the dispatcher know they are at the location, and the access control door can be lifted, allowing the trailer to be parked inside the bay. The whole process is automatic and un-manned, reducing the level of human error and the increased risk of crime from direct human involvement.

Our site-locating process is designed to reduce carbon emissions as much as possible through upcycling existing sites, rather than building new greenfield locations. These suitable properties include sites such as depots, ports, malls and truck repair shops and therefore open up a whole network of new parking opportunities to solve the shortfall of secure truck parking spaces that we currently face.

how it was implemented

At Freightsafe, the absolute priority is the security of the bays, and in turn, the trucks inside them. To that end, there are multiple layers to the security of Freightsafe sites which can be put into 4 clear stages:

- Deter + Delay: Enclosed steel parking box
- Detect: Internal motion censoring
- Respond: 360° live CCTV monitoring
- Recover: Intervention escalation

Potential thieves are initially deterred by the structure itself, reducing visibility of the trucks as they are hidden within the Freightsafe box, and making it harder for thieves to target specific cargo/companies. Secondly, the 5m high walls are made from 0.7mm thick steel, delaying any attempt to break in and have any access to the trucks at all.

Should one be able to make it so far, both the detect and respond stages are managed by Bosch Security Solutions, which has a sophisticated camera surveillance system installed inside the bays, and is monitored remotely 24/7, including the aforementioned motion censoring.

The final stage, recovery, is managed by a local security team who are notified automatically in case of alarm and aim to be at the site within 5-15 minutes of notification. For current users of Freightsafe's solution, this step is key for the additional peace of mind for cargo owners and drivers alike. It is a unique offer for secure parking, replacing the traditional process of law enforcement reliance, which as many will know, can be a long wait due to the low priority cargo theft has within the policing world.

result

To date, Freightsafe has parked over 600 trucks park in our bays, with 5 sites upcycled and one more planned for operation by 2023. There have been zero incidents reported from these 600+ uses, protecting our customers' cargo for over 2 years now, valued at roughly €900m in total.

We work closely with insurance companies and cargo security organisations alike to ensure that our product meets the latest safety requirements for our clients. As our solution greatly reduces the



The gate can only be opened remotely by our innovative access control technology, with internal and external CCTV monitoring

number of claims from an insurer's customer, this can allow for premium reductions too.

This is what one of our key long-term clients, BAT, had to say on Freightsafe:

“With the requirement to move high-value freight across Europe, BAT is constantly looking for safe places to park for our already security-enhanced vehicles. The issue we face, in addition to scarce resources, is that the status of secure parking can change quickly; if a fence is destroyed, or a camera broken, it becomes just another vulnerable parking space.

I was introduced to Freightsafe a few years ago, and was excited by the concept of what Charlie [Anderson, Founder and CEO of Freightsafe] had put together. BAT have been working with them since and are pleased that we now operate our vehicles into a Freightsafe parking location in a designated hotspot.

Our carriers are very happy with the situation, it has shown us a reduced cost overall and we are confident that the further rollout of parking bays will yield both security and commercial benefits.”

conclusion

The world of logistics is progressing faster than ever, with new technologies and innovation bringing development within the industry. However, truck parking as a topic is still living in the past, causing problems for stakeholders at every level. Traditional truck stops provide hundreds of thousands of parking spaces for trucks every day within the EU, but new spaces take years to build, and cost millions of pounds.

For the industry to make up the 20,000 shortfall in secure parking spaces currently needed, truck parking needs to be reimaged. Freightsafe has done just that, with sites that can be built in just 3 months from first agreement, costing significantly less to procure and providing a more complete security program for users.

This added level of security provides users with a more safe and reliable service through 3 primary avenues:

1. Safer parking areas – more securely-parked freight deters thieves from stealing cargo, resulting in fewer criminal activities at parking areas.
2. Improved driver welfare – following on from previous point, Freightsafe's safer parking areas mean less stress on drivers to remain vigilant at all times, allowing drivers to have their rest in peace.
3. More secure cargo – logistics companies and shippers alike can be more confident in their plans for cargo to get from A to B safely. This can save millions of pounds and give them time to focus on other priorities such as efficiency, and decarbonisation.

Check out our solutions at <https://freightsafe.co/>

Park Smart, Freight Safe