



FreightShield

Securing freight across the world

Trilogical's FreightShield solution is a freight securing and land monitoring solution that provides a reliable, robust and smart IoT service to protect valuable cargo during transportation across the world.

For over 25 years Trilogical is in the business of providing solutions for tracking, managing and analyzing fleets of mobile assets by land, air and sea. We understand the challenge of finding an end to end solution that is reliable, can be fitted to the customer needs and yet simple to operate and provides high value to the customer.

➤➤ FREIGHT SECURITY

Add security to each valuable freight shipment

➤➤ MONITOR SHIPMENTS

Follow shipment location, alert on lock opening

➤➤ IMPROVE CUSTOMER SERVICE

Provide customer access to shipment status

Key Features



Heavy-duty ruggedized locks



IP67



Anti-tempering alert



Real time location



Weeks of operation time



Remote un-locking



Mobile application



Event logging

So how does it work?



Container lock



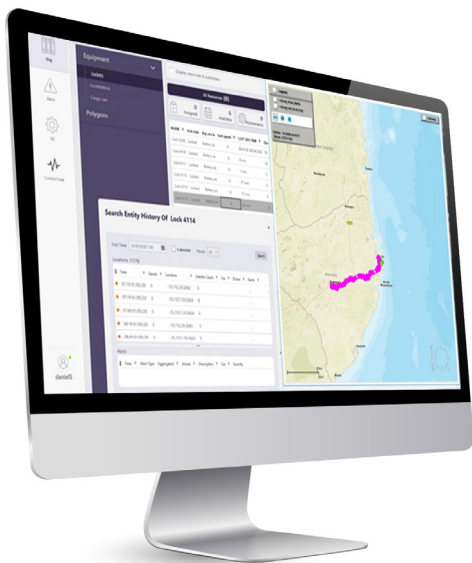
Pad lock



Wire lock

Electronic locks

These robust locks are designed specially for the freight industry transportation. Ruggedized, build for all weather conditions, with large battery to provide extended communication time over cellular network with a high end GPS for positioning. The locks are locked mechanically but opened electronically either from the central IoT managing system or by a Bluetooth application providing total security of who and when opens the lock. Deploying this steel lock deters thieves and makes stealing much more difficult.



IoT management system

The IoT management system is a cloud based solution provided as a service that enable total real-time control over all shipments and freight transportation. The system enables to track all the freight in real-time, generate alerts for lock tampering, lock status (open, close, battery level), exiting planned routes and more. It keeps a log of all the history of the locks location, opening/closing events and a snail trail for reporting. The system integrates with the **Lock Manager** application to manage the authorized personnel who can open the Locks.

Lock Manager application

The **Lock Manager** application enhances the ability to smoothly manage the freight shipments security. The application enables authorized only personnel to access it and open the locks in the vicinity of the user. The application further controls the timeslot that the user can open the lock to further secure the operation. All unlocking events are recorded and logged full user details for future debriefing.

