

Fork Truck control

Personal Issue iFobs

traka
ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

Traka key and asset management products are sold around the world into a wide variety of organisations from prisons to casinos, including large retailers and distribution centres. Traka provides a unique fork truck management solution, now installed on over 8,000 trucks in the UK alone.

This document describes the personal issue iFob solution designed for an organisation where a driver is required to retain his personal issue iFob.



The iFob and the Traka Data Download Station

The Traka iFobs (our silver bullets) become the intelligent key to start a truck, replacing a conventional key or PIN code. Each driver is assigned his own personal issue iFob, which he can attach to his keys, simply keep in his pocket or attach to his belt hoop.

Using this solution, iFobs are no longer stored in the Traka Download Station (pictured left) instead the driver need only return once a day to reinitialise their iFob and at the same time download any truck data. This enables a much faster shift start-up as there is no queuing to access the cabinet to take, or return, an iFob. The driver can access the Download Station at any convenient time and still use their iFob to start each truck for which they have permission to drive. However, the iFob will expire after a period of defined time.

The system checks the validity of the driver's licence and even gives a countdown from 30 days before the licence is due to expire.



Every time the driver uses the iFob to start the truck, the truck ID and the time is written to the iFob, which accumulates the information until returned to the Traka Download Station.



The Pre-Op Acceptance Button

When the driver inserts the iFob into the truck dash the Acceptance button automatically flashes for two minutes. It is waiting for the driver to press it, thereby acknowledging that all pre-op safety checks have been completed. This is the driver's acceptance of the truck condition. Printed reminders should be strategically placed near the download station or even in the truck to confirm what is required of the driver in performing his checks. When the driver presses the button, the action writes a software token to his iFob which remains with the iFob until returned to the download station.

If the driver fails to press the button, the truck will stop at the end of the two minutes (variable). Should this happen, the driver must take out the iFob and re-insert. This will start the timer again.



Reporting vehicle faults

If the driver finds a fault either at this time (or during his shift) he can record the event by holding down the acceptance button for 10 seconds. This will prevent him, or any other user, from driving the truck. It is now quarantined and cannot be used until reset by a maintenance engineer or supervisor.

Reporting the fault is done by returning the iFob to the Traka cabinet. At the cabinet screen the driver will be asked to key in a code specifying the nature of the fault. A list of these should be printed and fixed adjacent to the Traka cabinet.

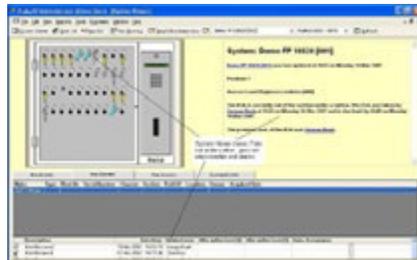


The download station buffers these transactions until it is convenient for the computer system to receive the data. This could be within moments or minutes depending on network traffic. The transactions include any faults and the acceptance of each truck and this information is then permanently stored in the database. Faults are clearly presented to the site engineer showing the truck, nature of the fault, who reported it and when. The engineer will carry a Service iFob that will activate any truck, so he can retrieve the truck to the workshop and carry out any repairs. The engineer should record the repair work done on the truck within the Traka32 software and then clear the truck of its fault using the Service iFob.



The Shock Sensor

The shock sensor (optional component) can detect if a truck has been subject to an excessive G Force. This force is configurable within the Traka32 software on a truck by truck basis. The special Traka software inside the shock sensor contains algorithms designed to ignore shocks from



expansion joints, old railway lines etc but to detect metal to metal contact. Whenever a shock is detected, the shock sensor records the shock value to the iFob and can optionally stop the truck immediately or after a determined period of time. A shock can require the supervisor to check the safety of the site before clearing the driver to continue his duties. Details of the shock are held in the iFob until returned to the download station.

Management override

With all systems a Service iFob is used to allow supervisors or maintenance staff to drive any truck and also to perform certain management tasks.

Ease of installation with full training and after sales support

The Traka Immobilisor is easily fitted to a truck by one of your own engineers in about one and a half hours. The Traka cabinet (download station) is installed by a Traka engineer and a full training service, as well as ongoing maintenance is offered. Traka engineers have expertise in installing Traka cabinets and software in organisations of all sizes. All Traka products are developed and manufactured in our factory near Milton Keynes.



Don't delay for your own peace of mind and simple economics

Traka allows you to implement an effective and proven health and safety process to manage your trucks. By making your drivers accountable for the trucks they drive they will take more care and you can expect a reduction in your damage bills too, sometimes over an 80% reduction.

Other MHE applications

Traka have unique solutions for the management of Arm Mounted Terminals (as used by drivers for their picking instructions) and for managing data terminals and other mobile computing equipment. In addition Traka have a unique dock door management system to help the safety of your drivers during loading and un-loading operations.

Traka's iFob per person/personal issue system, users are also able to manage many other assets on-site such as compactors, bailers and industrial machinery in exactly the same way as a forklift truck just by adding the Traka Machine Start product.