

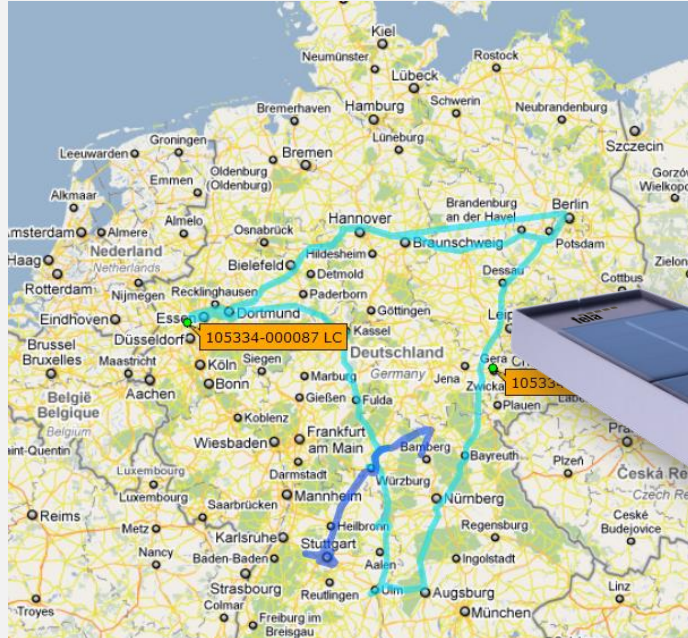
## AUTONOMOUS TRACKING & TRACING

The management of containers and swap bodies requires highly efficient tools in order to monitor the progress of transports and locations.

CarLoc® AT-Solar is a self-contained, solar-powered tracking unit that is particularly designed for this use. High functionality combined with comfortable configuration options allow a customized operating. The smart device logic reports all interesting events around a transport to the back-end system – worldwide.

The device, with proven, robust technology works for months without sunlight thanks to its large battery.

The innovative charge management allows maintenance-free operation for many years. The device can be installed in a few minutes on many places around an asset.

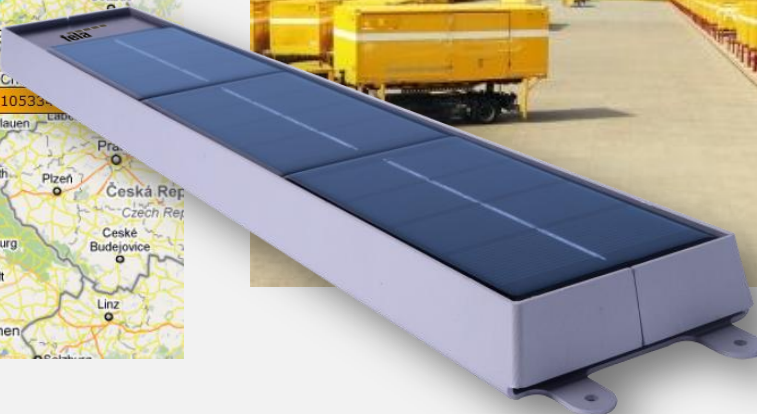


## KEY FEATURES

- Accurate positioning and intensive tracking without external power.
- Continuous activity monitoring for
  - Shock- and movement detection
  - Theft protection
  - Geo fencing of up to 10'000 zones
  - Monitoring of external sensors etc.
- Remote-configurable at any time
- Log-data memory for several months recording
- Worldwide communication

## OPTIONS

- PT1000 temperature sensors
- Load sensor
- Door and fuel level monitoring



## CARLOC® DATA

CarLoc® AT-Solar monitors and provides the following data:

- Position incl. time, speed and heading
- Asset status: stopped/parked/moved, alarm
- Mileage, time parked and time moved
- Stop-over in terminals, premises- and port areas
- Data of connected sensors and sub-systems
- Battery capacity
- Project-specific data

## OPERATION MODES

Unit configuration can be altered remotely to generate messages:

- At a specific time of day
- At pre-set time or distance intervals
- On entering / leaving of terminals, premises or harbour areas
- Whenever the asset starts or stops moving
- When a sensor or other device trips
- And many more

Technical Data	Communication	Quad-Band EGSM 850/900, 2W; 1800/1900, 1W Class10 GPRS and SMS
	Location	50 channel Super-Sense GPS-receiver
	Geo-Fencing	10'000 geo-zones managed at the unit
	Data Memory	30'000 sensor records incl. time and position
	Power	Solar panel combined with lithium battery
	Integrated Sensors	3-axis g-sensor for shock and movement detection
	Ext. Interfaces for	Door switch, load sensor
	Options	1 x Digital Output, 3 x Digital and 3 x Analogue Input for fuel level, pressure and up to 3 temperature sensors
	Temperature Range	-20°C ... +65°C
	Housing L/W/H: [mm]	524/99/30
	Housing Protection	IP67
	Weight	450 g



FELA Management AG  
 Basadingerstrasse 18  
 CH-8253 Diessenhofen  
 Tel. +41 52 646 46 46  
 Fax +41 52 646 46 96  
[www.fela.ch](http://www.fela.ch)  
[www.carloc.ch](http://www.carloc.ch)  
 e-mail: [sales.carloc@fela.ch](mailto:sales.carloc@fela.ch)



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