TECHNOTON

DUT-E GSM

Fuel level sensor

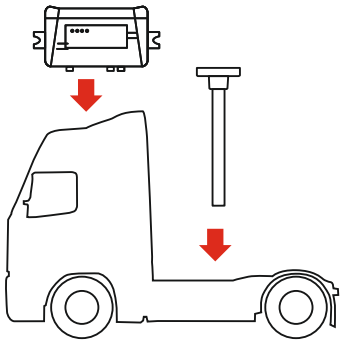
S6 IoT BURGER

www.jv-technoton.com

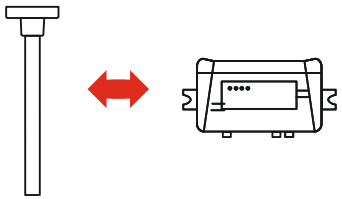
DUT-E GSM **Fuel level sensor**

Purpose of use/ Challenges

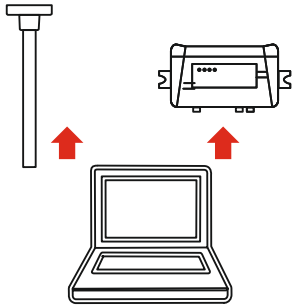
To install regular “FLS + GPS tracker” set it is necessary to:



Mount both devices to vehicle



Interconnect and power both devices with cables

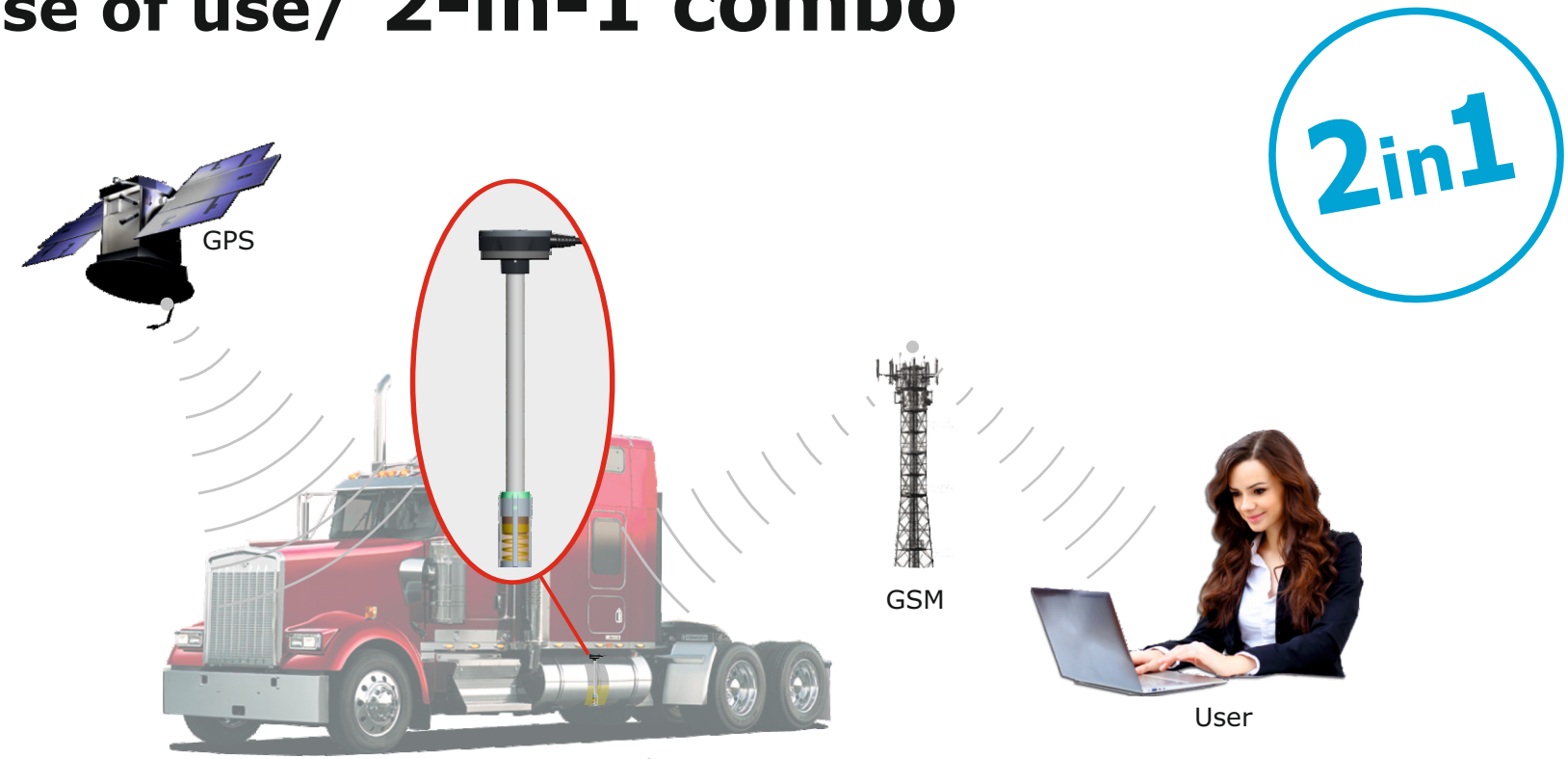


Configure each device and check operability

How much time spent?
Is it possible to reconfigure FLS remotely, if necessary?

DUT-E GSM **Fuel level sensor**

Purpose of use/ 2-in-1 combo

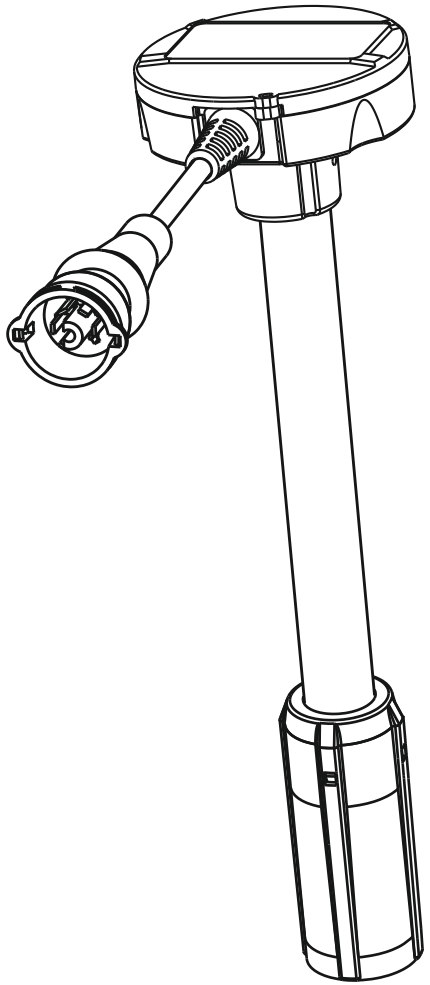


Fuel level sensor and GPS tracker in one device.
Tank fuel volume measurement, geolocation and route tracking.
Data transfer to a telematics server, or directly via SMS and by e-mail.

DUT-E GSM **Fuel level sensor**

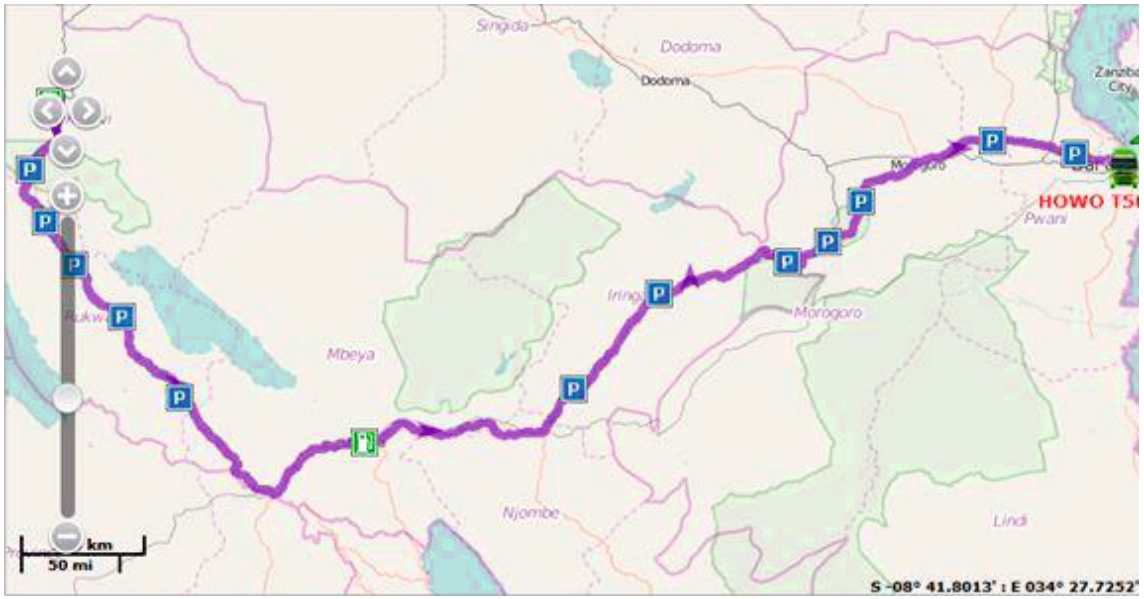
Tasks

- Real-time route tracking
- Fuel refill/drain monitoring
- Fuel theft prevention
- Fuel consumption estimation



DUT-E GSM **Fuel level sensor**

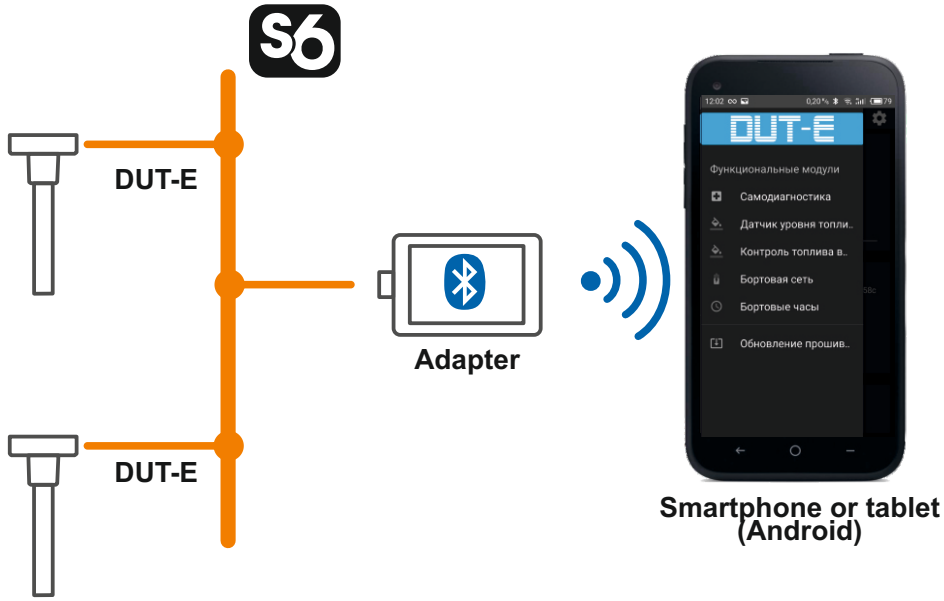
Features/ GPS tracking



Track exmaple – HOWO truck. DUT-E GSM provides complete track of vehicle’s route, places and duration of stops, places of refueling, etc.

DUT-E GSM **Fuel level sensor**

Features/ Configuration over Bluetooth

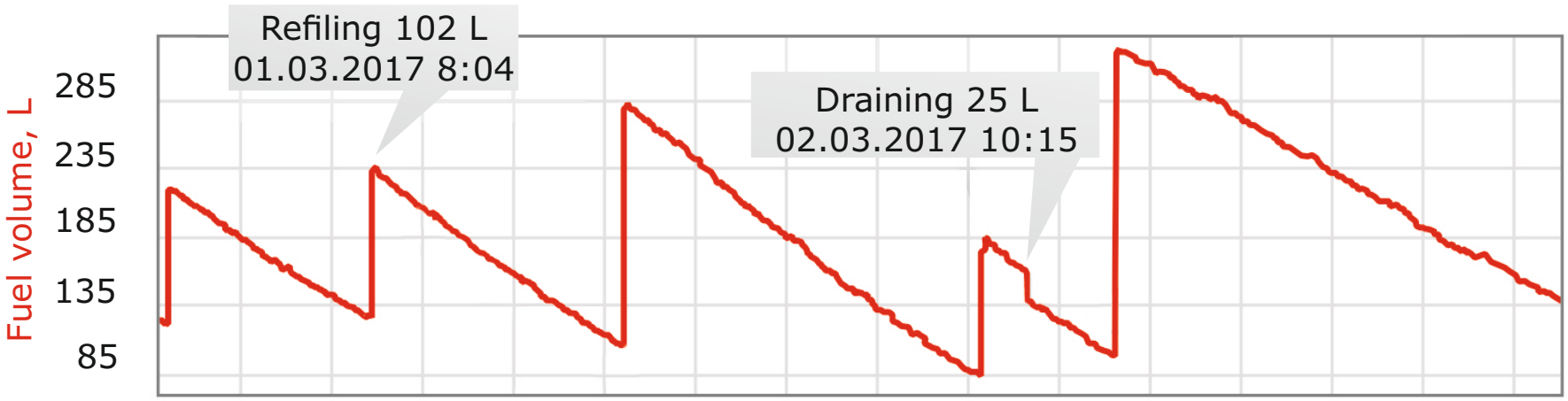


DUT-E GSM configuration over Bluetooth is possible with Android-based smart phones or tablets. To do that, connect S6 BT Adapter to DUT-E GSM and run Service S6 DUT-E Android application (downloaded and installed via Google Play).

If several DUT-E GSM are connected through CAN/S6 interface, each unit can be configured through single S6 BT Adapter.

DUT-E GSM **Fuel level sensor**

Features/ Recognizing “Refilling” and “Draining” Events



Fuel volume chart example

DUT-E GSM detects the change of fuel volume in fuel tank, sends Reports on recorded refiling and draining volumes.

DUT-E GSM **Fuel level sensor**

Features/ Sending Reports and Events

Events

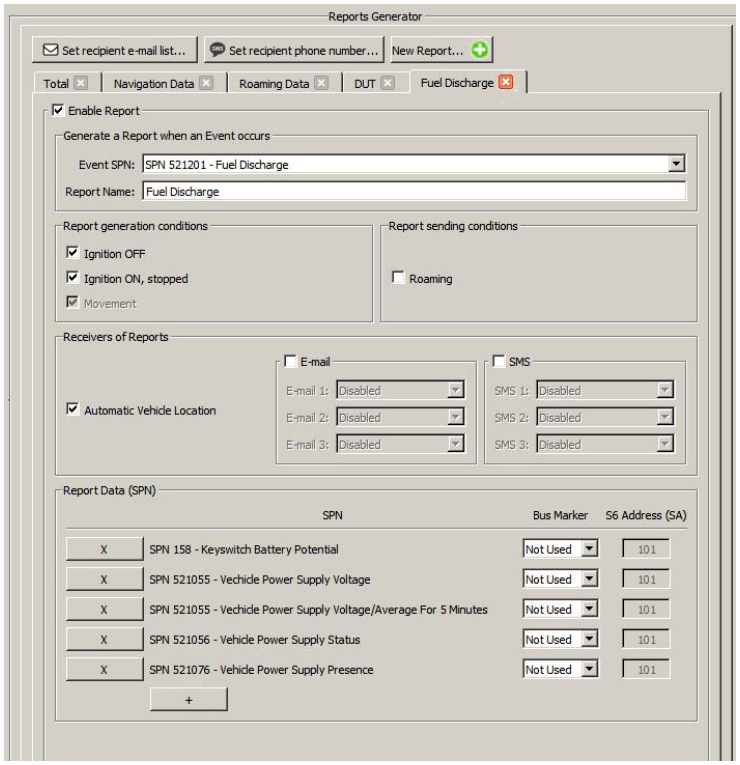
Standard: refiling/draining fuel, low/high onboard network voltage, lost/established connection with satellites, engine start/stop.
Configurable: fuel level is lower than x%, exceeding allowed time of continuos vehicle operation, speeding, etc.

Reports

Combination of 10 selected operation parameters. Reported is sent regularly or triggered by Event, which is selected from the list. DUT-E GSM can send up to 20 different Reports simultaneously, on regular basis or upon Event recognition.

DUT-E GSM **Fuel level sensor**

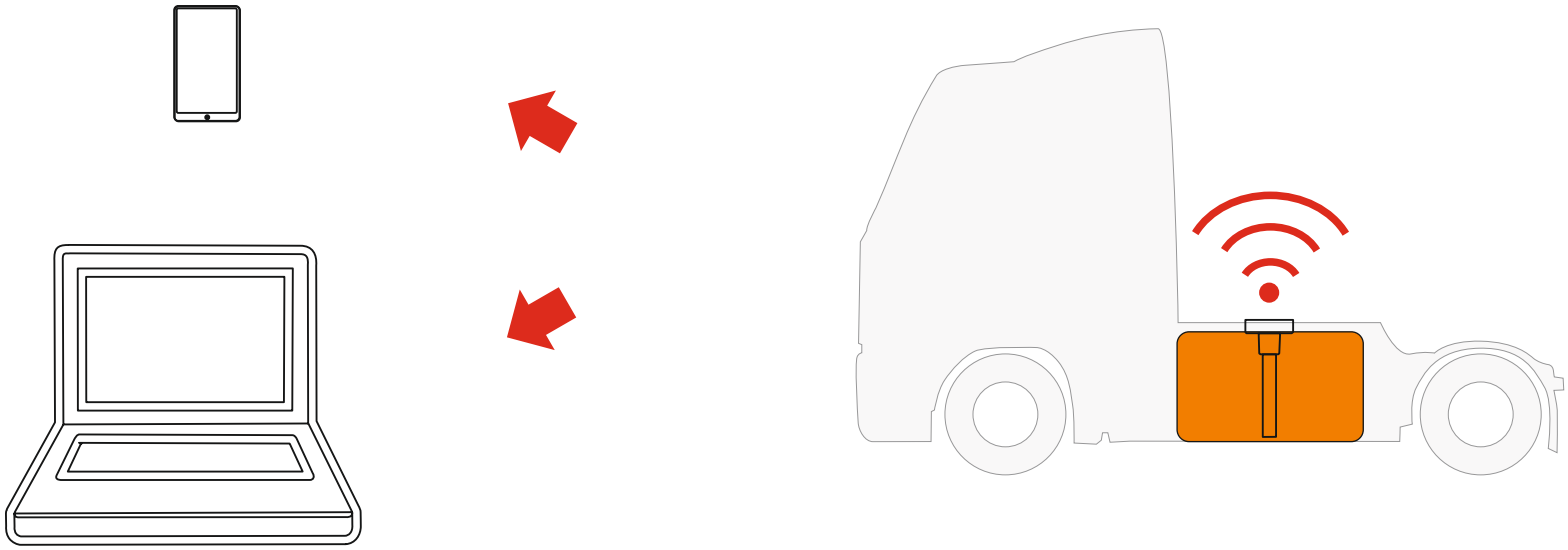
Features/ Configuring Reports



"Reports Generator" menu in Service S6 DUT-E software allows to create and configure up to 20 different Reports. Reports are also configured remotely.

DUT-E GSM **Fuel level sensor**

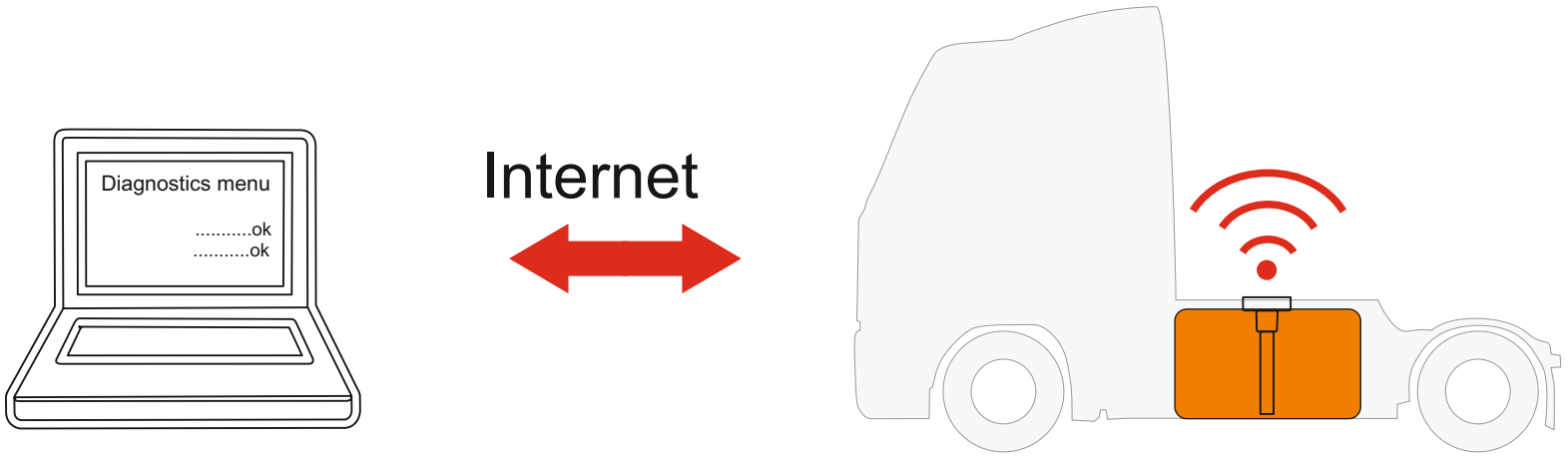
Features/ Sending SMS and e-mail



Prompt notification by SMS on recognized important Events.
Sending Reports to user’s e-mail without using telematics server.

DUT-E GSM **Fuel level sensor**

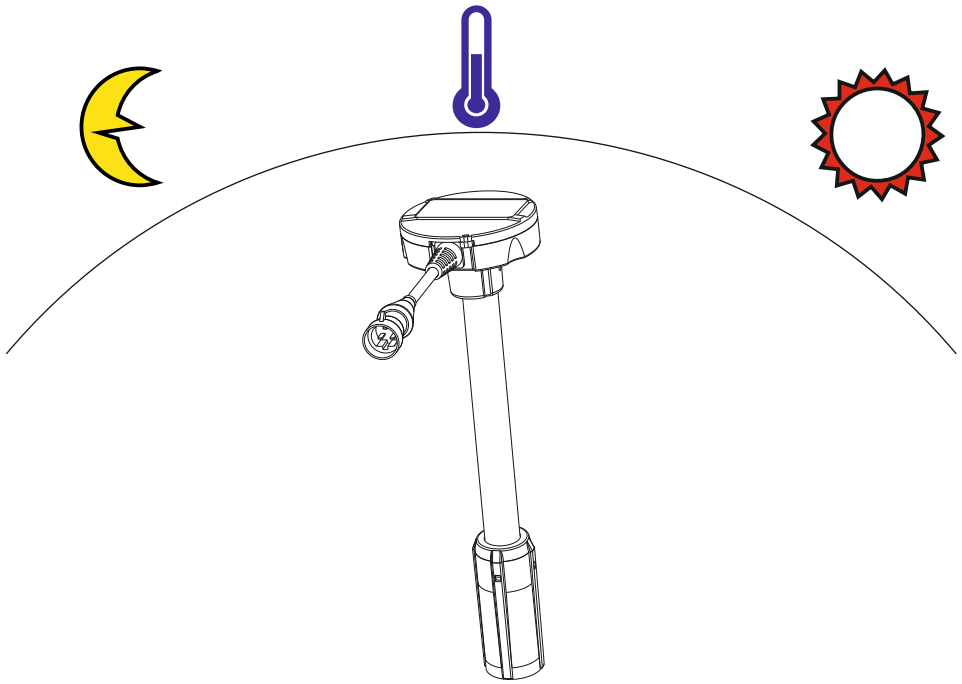
Features/ Remote diagnostics and configuration



Remote check of sensor’s quality of operation - accuracy, settings, malfunctions.
Allows to configure sensor remotely without any physical connection.

DUT-E GSM **Fuel level sensor**

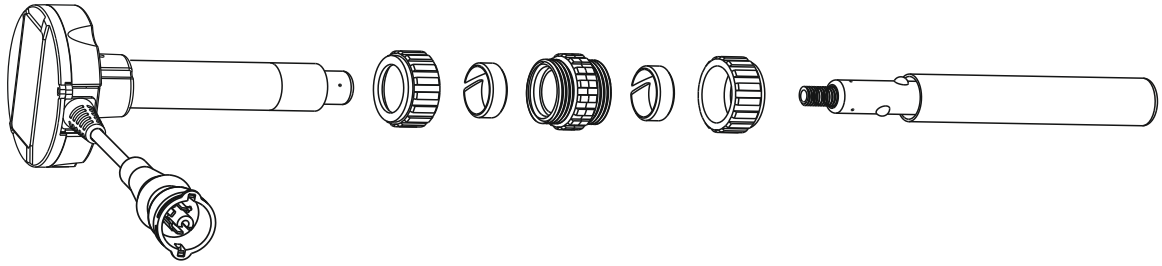
Features/ Temperature correction



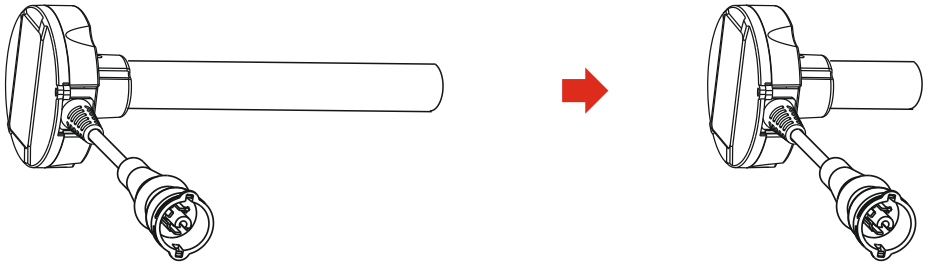
Accurate fuel volume measurement while ambient temperature is changing within –40 to +85 °C range.

DUT-E GSM **Fuel level sensor**

Design/ Extending and shortening probe length



Extending with additional sections up to 6000 mm. Simplifies delivery and reduces delivery costs for projects with big fuel tanks.



Can be cut to any length needed - sensor will fit any fuel tank.

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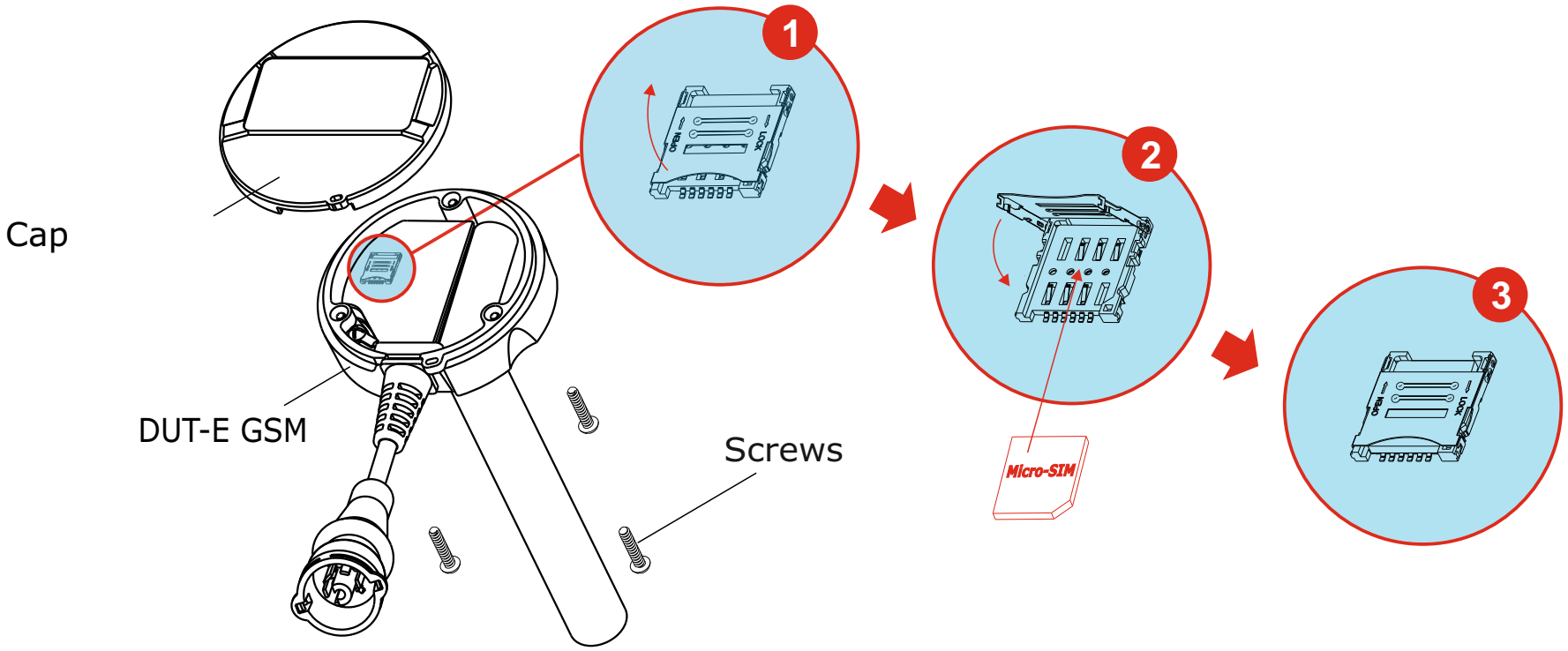
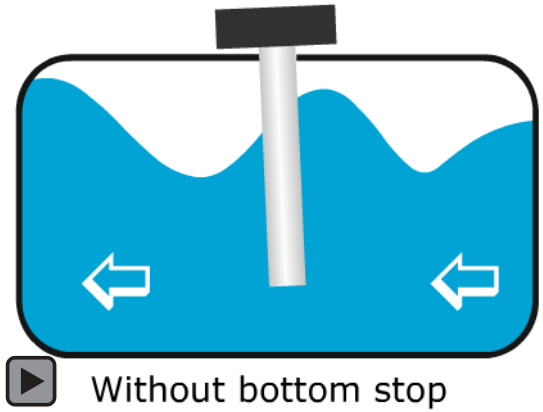
Design/ Installing SIM-card



Design/ Screen filter and bottom stop

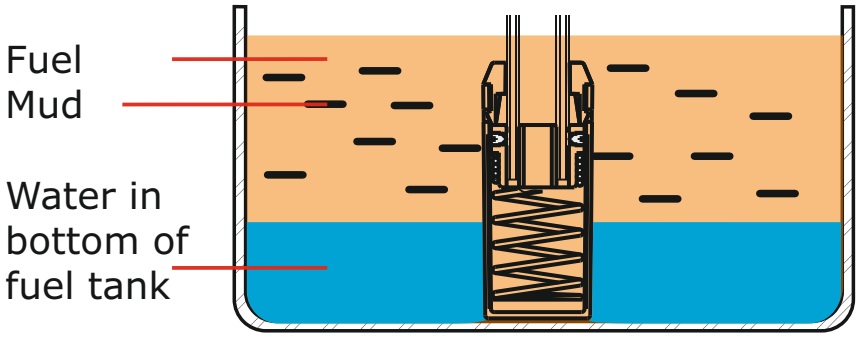
Delivery set of all fuel level sensors made by Technoton contains mounting kit with bottom stop and screen filter.

Bottom stop



Enhances rigidity of fastening and decreases influence of vibration on measurement accuracy.

Screen filter



Protects tubes from water and mud in tank's bottom, increases lifespan of fuel level sensors.

DUT-E GSM **Fuel level sensor**

CAN/S6 interface/ System extension

DUT-E GSM can be used as a central unit of advanced telematics system.
Using CAN/S6 interface, other devices can be connected to the sensor:

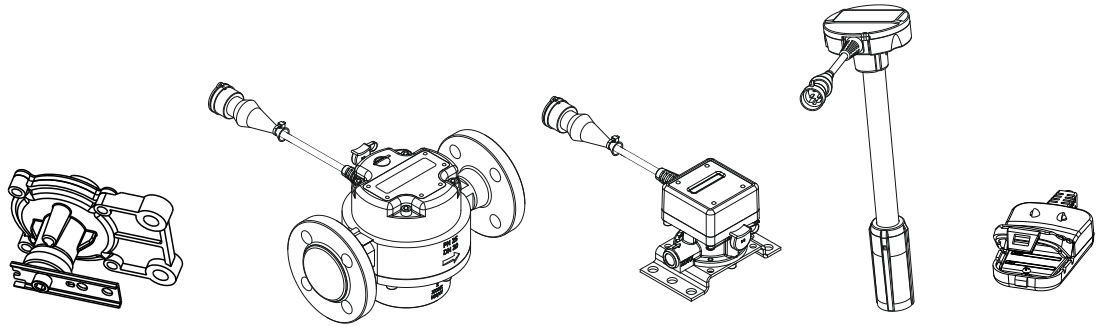
1. Up to 7 DUT-E CAN fuel level sensors.

2. Up to 8 DFM CAN or DFM Marine fuel flow meters.

3. FSMCrocodile contactless FMS-gateway.

4. MasterCAN DAC J1939 i/o module for processing signals of analog sensors, e.g. GNOM axle load sensors.

Solution for highly complexed objects



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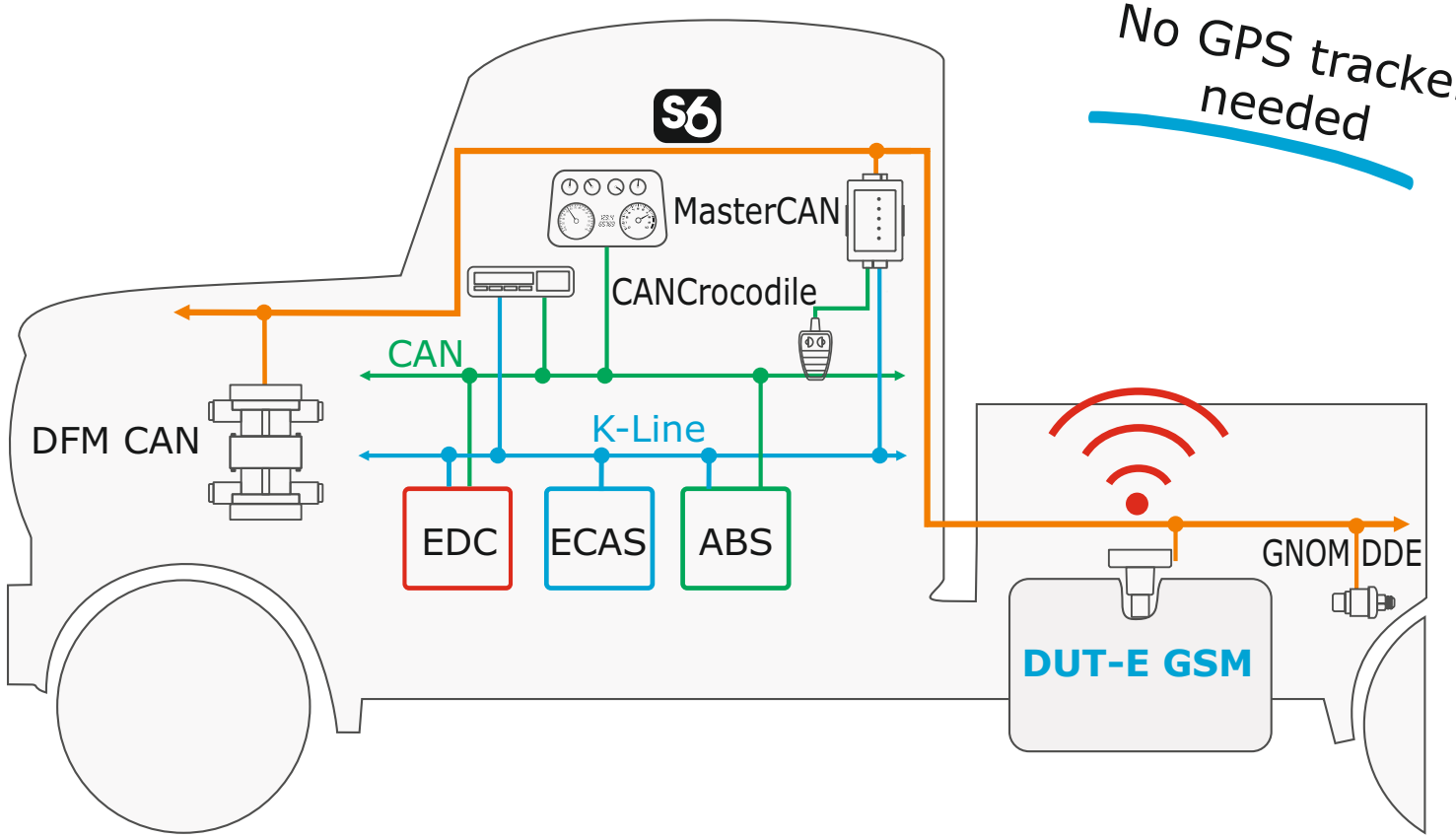
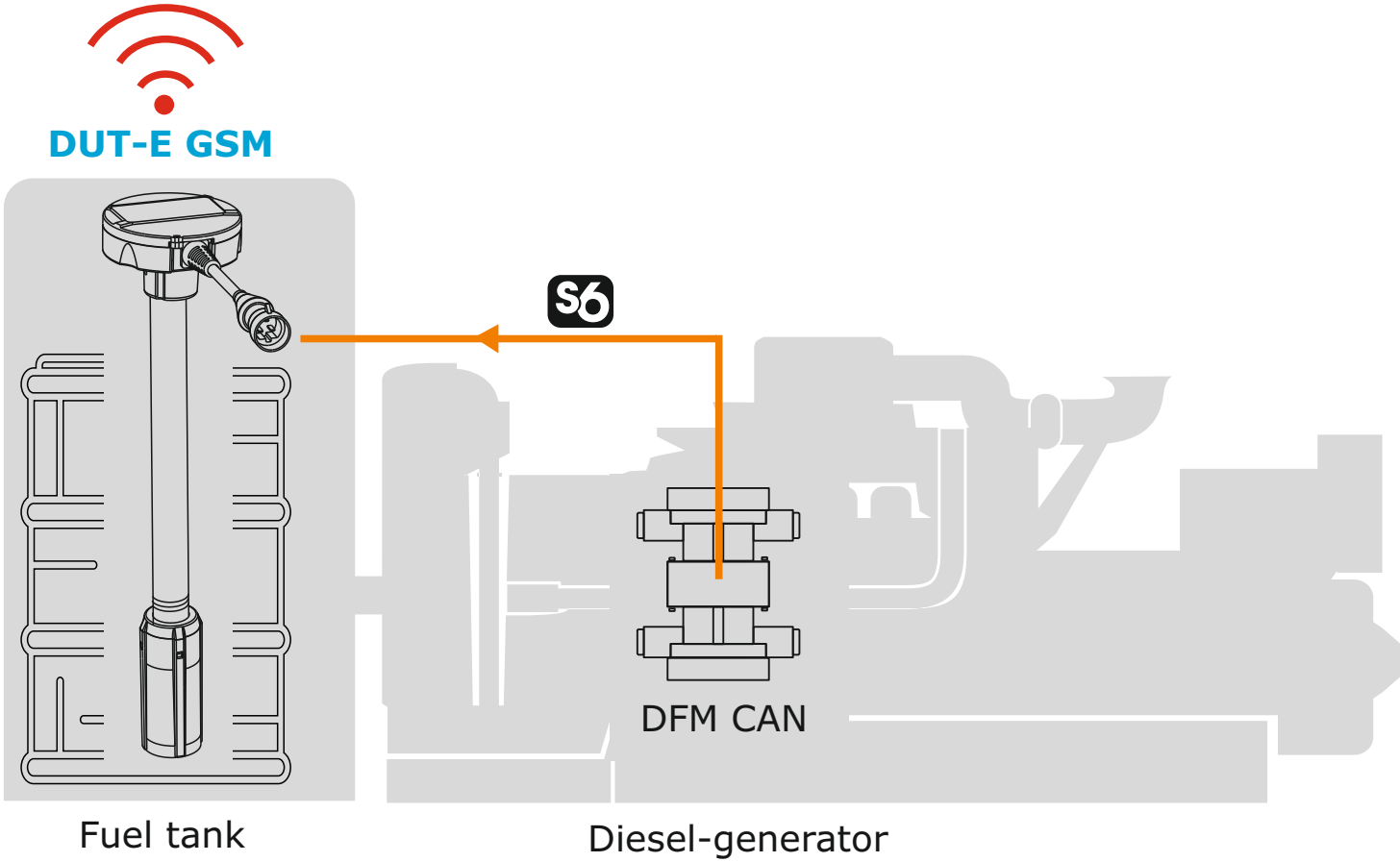
CAN/S6 interface/ Vehicles



When operated within CAN/S6 telematics interface, DUT-E GSM receives data from other devices and transfers aggregated information to telematics server.

DUT-E GSM **Fuel level sensor**

CAN/S6 interface/ Stationary units



DUT-E GSM **Fuel level sensor**

Summary

1. Two-in-one.
Saving time for installation and configuration.
“Hardware/firmware incompatibility” is not topical anymore.

2. Flexible Report generation system.
Receiving ready-for-use Reports, no need of further data processing and creating report templates on teleamtics server.

3. Remote diagnostics and configuration over the Internet.
Saves customer’s time and efforts of technical support team.

4. Operation via CAN/S6.
Advanced telematics system connected over a single cable.
Compatibility is guaranteed, saves time on equipment installation and cabling.

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Learn more

Official web	TECHNOTON	www.jv-technoton.com
CAN/S6 telematics interface description	S6	www.s6.jv-technoton.com
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