DiCal-RED
wireless data system

Fast and reliable data communication
and automatic navigation for operational vehicles

The DiCal-RED radio data system provides the following features:

The DiCal-RED radio data system offers an effective all-in-one solution for an economic optimisation of the fleet management and vehicle communications.

It optionally supports the public GSM network (2G, 3G, LTE) as well as the BOS networks POCSAG and TETRA for a safe communication between the vehicle and the control centre.

If the control centre sends the operation data (target coordinates and operation text) to the vehicle via one of these radio networks, DiCal-RED controls the Garmin navigation system. The route to the operational destination is automatically calculated and the navigation will be started. In this way, no time is lost when the crew arrives at the operational vehicle.

Due to its compact design, DiCal-RED allows an easy installation.

The vehicle status can be sent to the control centre via GSM and/or TETRA with the optional status panel.

Data radio paths
-))) POCSAG incl. DiCal-IDEA Encryption
-))) 2G, 3G, LTE
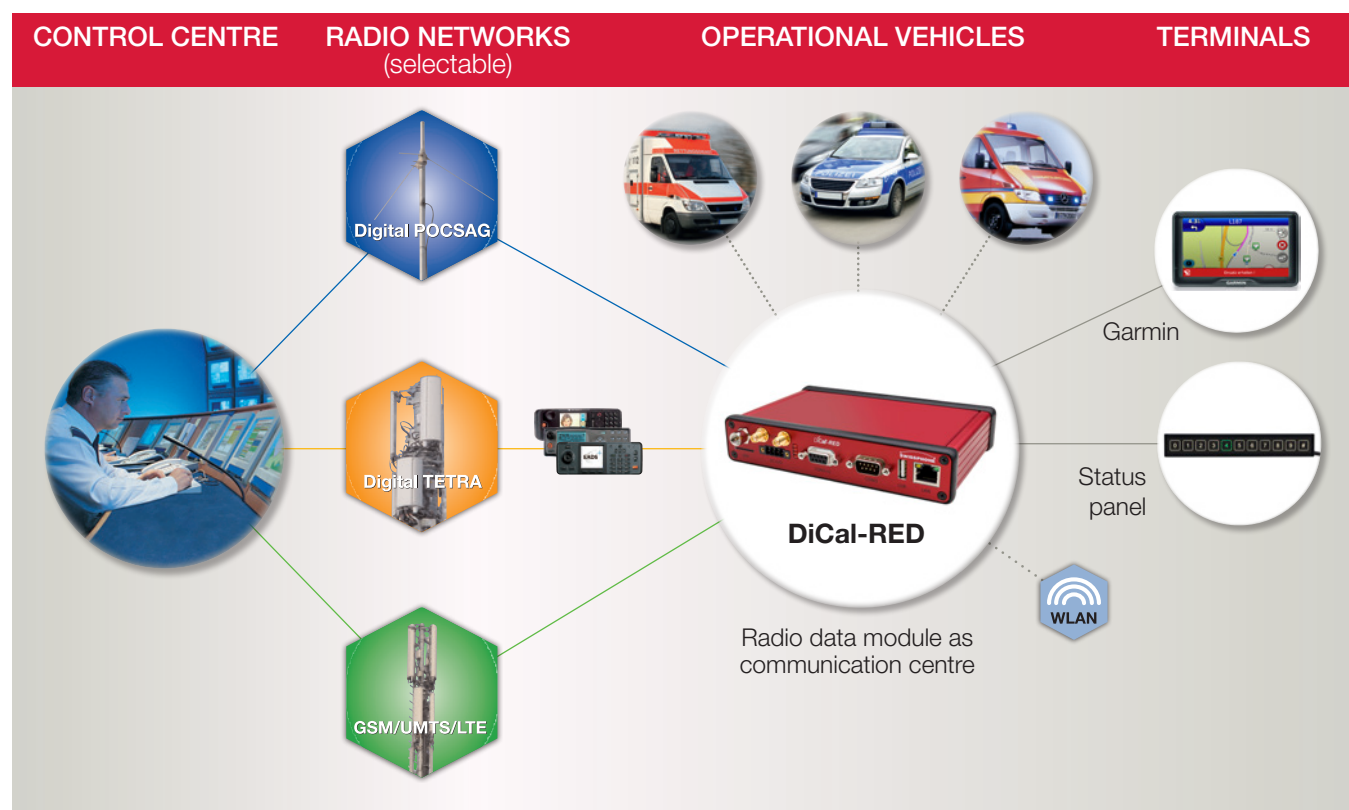-))) TETRA (via radio device)

Navigation
-))) Garmin with FMI interface

SP11 status panel
-))) 11 illuminated buttons
-))) Buzzer

Interfaces
-))) 3 x serial RS232 (to TETRA, navigation, status panel)
-))) LAN, optional WiFi
-))) USB
-))) I/O

CONTROL CENTRE	RADIO NETWORKS (selectable)	OPERATIONAL VEHICLES	TERMINALS

Digital POCSAG

Digital TETRA

GSM/UMTS/LTE

DiCal-RED

Garmin

Status panel

WLAN

Radio data module as communication centre

Subject to technical changes