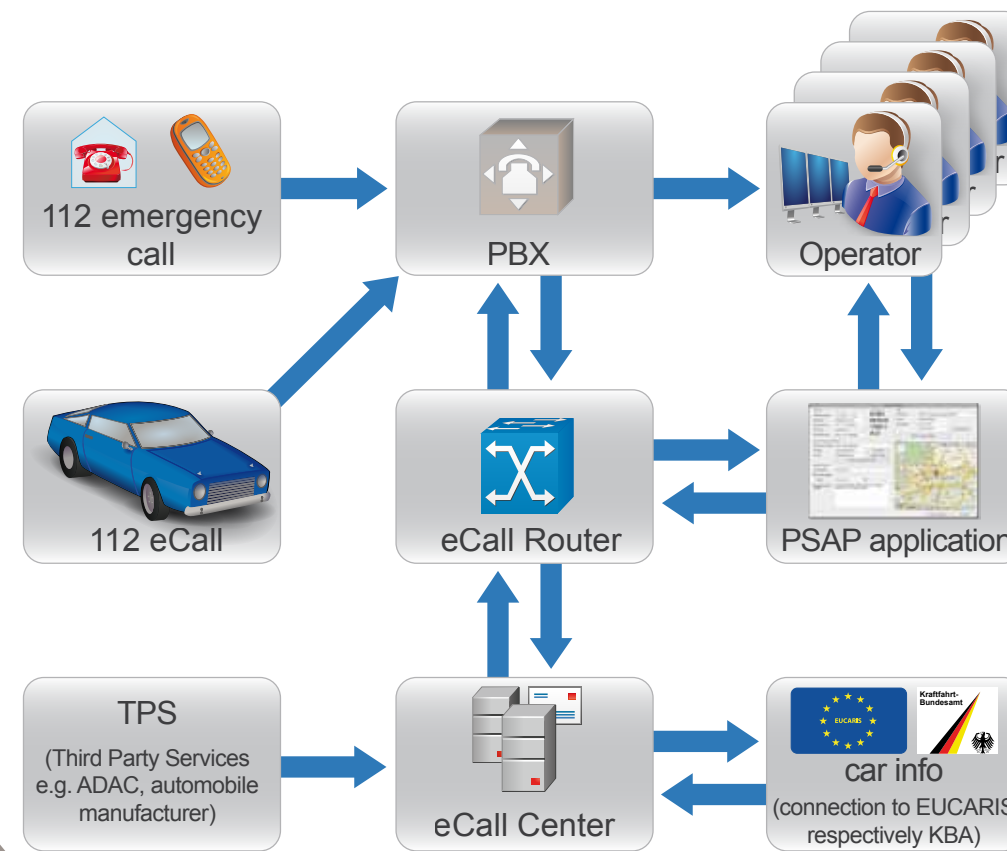


eCall Router

The intelligent eCall upgrade for PSAPs and TPS call centres

OECON eCall Router - The intelligent eCall upgrade for PSAPs and TPS call centres

OECON's eCall Router provides all necessary equipment to receive, decode and distribute eCalls and data to an internal telephone and data network.



Features

- automatic or manual call pick-up
- receiving, recording and decoding of MSD (Minimum Set of Data)
- forwarding calls to ISDN or SIP PBX
- forwarding data as push or pull in several formats (including EN 16102)
- web interface for configuration
- caller and MSD protocol
- supports incoming and outgoing ISDN and SIP connections
- supports decoding additional data (Optional Set of Data, OSD) included in the MSD data bit stream
- scalable server support
- eCall modem using Qualcomm in-band modem technology according to 3GPP TS 26.267

The eCall Router implements all necessary eCall standards according to CEN und ETSI.

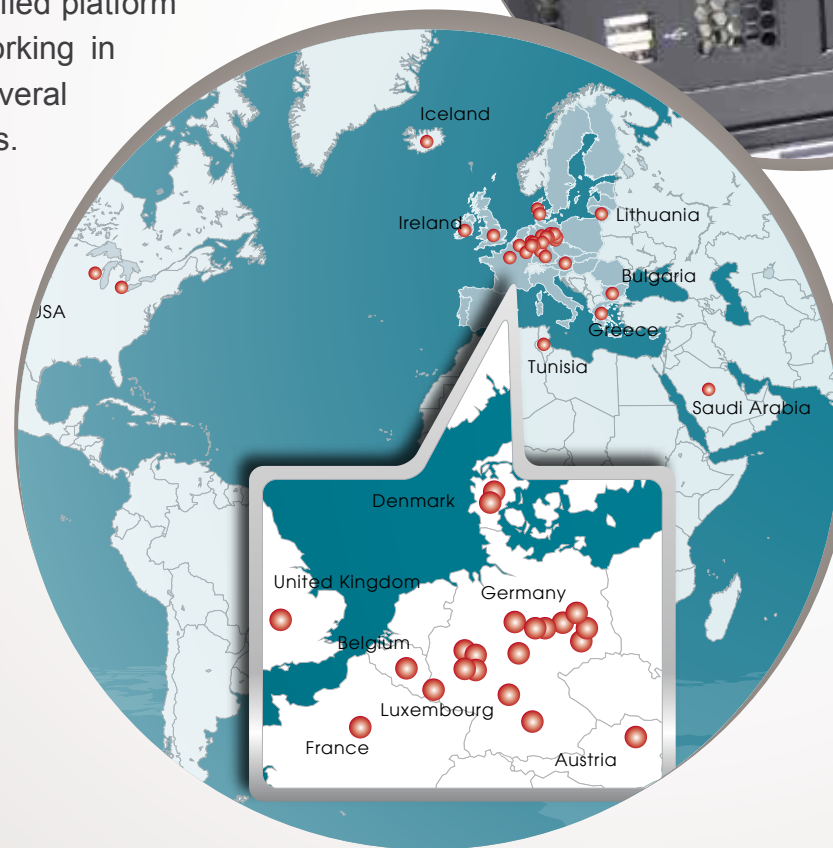
Benefits

for all types of
PSAP infrastructure
minimum investment required
legal certainty – all eCall requirements
are fulfilled
112 calls with exact location information
can save lives – reduces arrival
time of rescue services

Since the introduction of OECON's eCall product range in 2010, many companies in the automotive business are using our eCall technology. Several organisations responsible for conformity assessment test and certify eCall related products with OECON servers. Many European Member States already take advantage of the OECON eCall Router for enabling their PSAPs with eCall technology.

Why you should upgrade with us

OECON's eCall Router is designed as an out-of-the-box product to upgrade European PSAPs with a minimum effort and investment. Furthermore, using our eCall Router allows you to trust on a stable, proven and certified platform already working in PSAPs of several EU member states.



Upgrade - It's so easy

As an add-on to existing PBX and PSAP software applications, the eCall Router uses unified XML interfaces to communicate with the PSAP software and standard ISDN / SIP features to communicate with the PBX. The combination of software and hardware supports multiple SIP or ISDN channels per server (depending on the built-in ISDN interface cards). The OECON eCall Router also provides interfaces to the European EUCARIS network.

Additionally the OECON eCall Router supports a scalable installation for maximum reliability and stability.

Installation

- completely out of the box
- as a virtual server
- software license only
- for ISDN / SIP / H.323 telephony networks

Virtual Mode

The eCall Router can be operated as a virtual machine (SIP-based calls only).

General information about eCall

eCall is an emergency call system integrated into new vehicles from 2018. The purpose of this system is to drastically reduce the amount of people killed in road accidents. After a road accident the eCall-system automatically establishes an emergency call to the relevant emergency services (normally the nearest 112 Public Safety Answering Point, PSAP), thereby carrying both voice and data. After being triggered the in-vehicle eCall dials 112 (European emergency number) and sends specific details of the accident to the emergency rescue service:

- time of accident
- accurate position
- direction of travel (especially on motorways & in tunnels)
- number of passengers
- type of vehicle

How it works

1. triggered automatically by the car after a crash or manually by the vehicle occupant by pushing a button dialing 112 - emergency call number
2. a voice connection is established between vehicle occupants and PSAP operator
3. vehicle related data (MSD) is transmitted
4. the transfer is completed in approximately 10 seconds

EU Resolution:

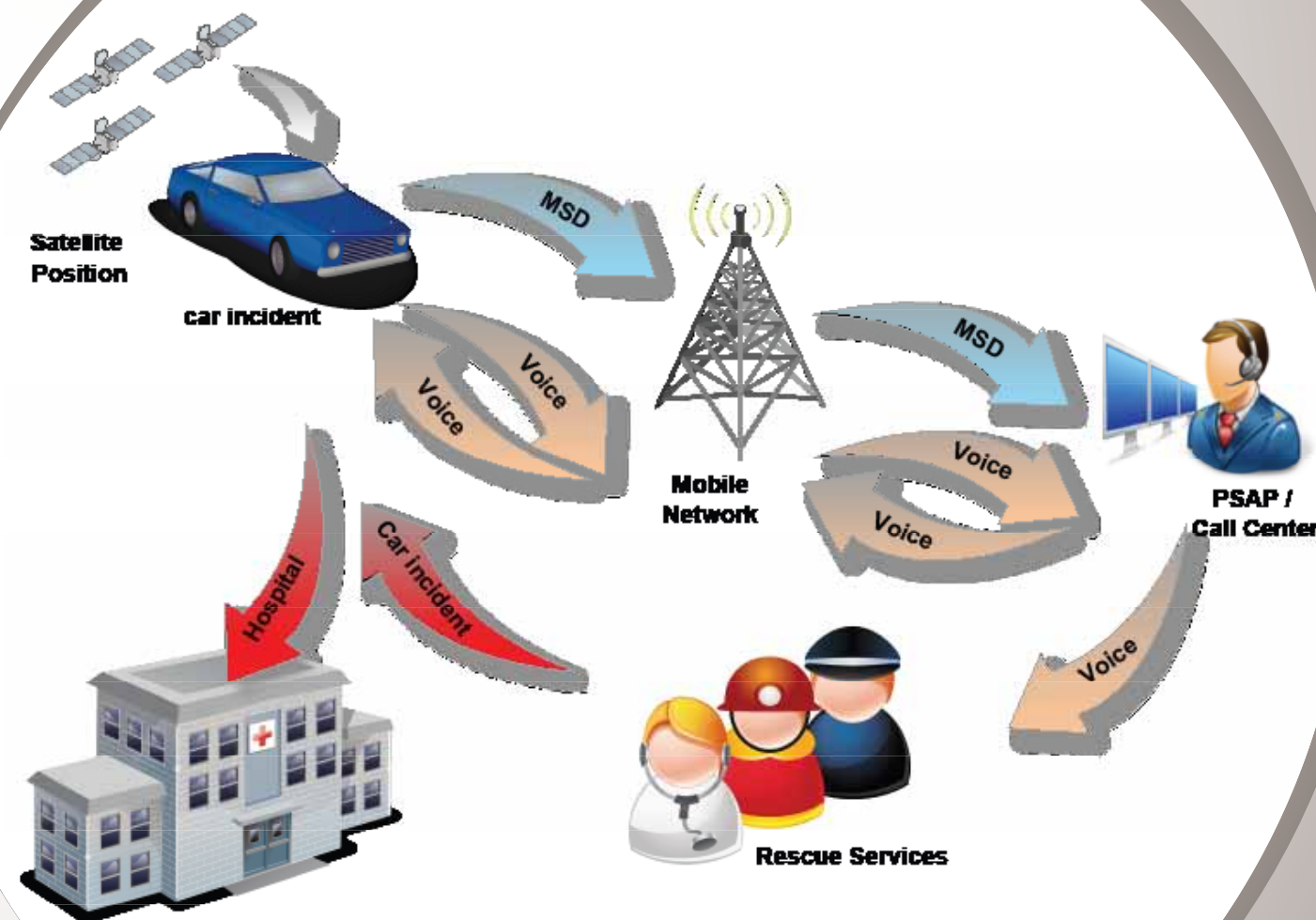
EU-standardized eCall starts in April 2018

20 EU-countries have agreed to participate

OECON Products & Services GmbH



An emergency call can be generated either automatically via activation of in-vehicle sensors after a crash or manually by the vehicle occupants pushing a button.





About OECON Products & Services GmbH

OECON Products & Services is a leading provider and system architect for applications of mobile positioning technologies. Our products and services are especially tailored to the automotive, logistic and personal mobility industry. Other areas of priority are PSAP technology and location-based services for electric mobility.

Customers in EMEA, East Asia and the United States take advantage of our products and services in the areas of logistics and automatic vehicle emergency call (eCall). Emergency control centres across Europe trust our eCall technology.



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