

**CarTag** – Is your stock safe enough ?

**CAT SYSTEMS**

**MIRRORS**

**NAV SYSTEMS**



**RIMS**

**HEAD LIGHTS**

**EXHAUSTS**

**AIRBAGS**

## Highlights and Technical information



CarTag Module

### Highlights

In recent years, the business of car theft has been transformed from “stealing the whole car” to “stealing car parts”. Criminals no longer steal the cars but prefer to take away parts of the car instead, often the parts on their “shopping” list.

Research shows that specifically parts of new cars are very popular among car thieves. New cars are often found in large quantities in parking lots at dealerships. Depending on brand and model, various parts are stolen. In general, airbags and aluminum rims are high on the hit list, followed by sat nav systems, mirrors, headlights and exhaust systems, which are very popular also.

Nowadays there are a number of systems on the market to counteract various types of theft. Unfortunately, these systems are often not (yet) active as long as the car is in the parking lot of the dealer. So, what benefit does a track- and tracing system deliver when the car is not stolen, but the rims instead? Even the latest rim security system is not able to scare thieves away from the airbag in case that particular car part is “ordered”.

To protect car dealerships against such vehicle crime, **BCE** developed the totally new **CarTag** concept. This has resulted in an easy to use, friendly to handle and flexible system to set up and a very reliable remedy for vehicle crime.

### The Concept

**CarTag** is a wireless monitoring system based on a self-organizing network of striking sensors which are laid on the car's dashboard to detect and analyse the vibrations of that specific car. In case of a break-in attempt, the sensor detects the event and immediately sends a direct or indirect alarm message to a base station inside one of the dealerships buildings.

The system then is able to inform both a remote monitoring station and/or inform staff members by sending them an alarm message via the Internet or SMS text.

Detection, analysis and alert occur long before thieves get the chance to take away the sensor. Defusing the sensor clearly makes no sense since the network keeps control of all connected units and will detect such act.

Additional to the mentioned sensor units, the system also provides miniaturized sensors, designed to monitor and protect airbags and other parts of cars at the inside, even during customers opening hours.

### CarTag Cloud Solution

The CarTag Cloud utility offers a user friendly graphical interface what helps you to configure, modify and monitor all active **CarTag** modules.

The following guidelines gives a brief overview of the Cloud facility:

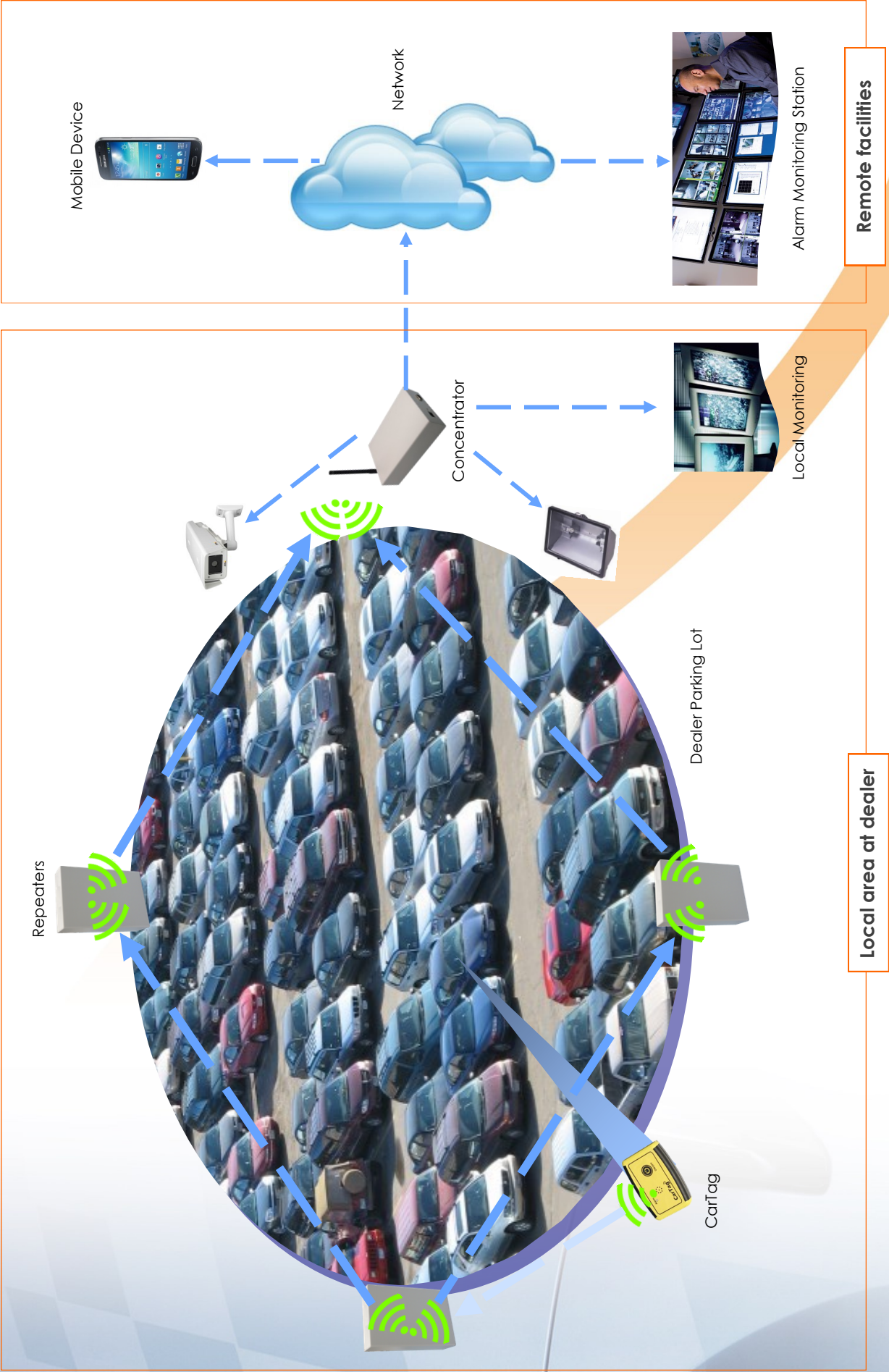
- Setup with:
  - ◆ E-mail and Phone settings to send alarm message in case of an event
  - ◆ Sensor adjustment with adjustment and buzzer on/off
  - ◆ Time schedules of opening/closing hours per day
  - ◆ Event notification(s)
- Detailed information per connected car by:
  - ◆ Numberplate, Make, Model, Colour, Year and location
- CarTag status information with:
  - ◆ Signal strength, Battery status and last update received

The image displays three screenshots of the CarTag Cloud web application interface. The top screenshot shows the 'CarTag details' page for a specific car with fields for Kenteken/meldcode, Merk, Type, Kleur, Jaar, and Comment, along with status indicators for Signal strength and Battery voltage. The middle screenshot shows a list of cars with columns for Kenteken, Merk, Type, Kleur, Jaar, and Location. The bottom screenshot shows the 'Setup' page with sections for 'Email' (with fields for Email and Phone), 'Sensor setup' (with fields for Vibration sensor sensitivity and Buzzer), 'Working hours' (with a table for setting notification times for each day of the week), and 'Events' (with a table for setting notification rules).

- **Technical specifications:**
  - Ethernet 10/100 Mbps
  - UTP RJ45 connection
  - Modbus/TCP; TCP/IP; UDP
- **Hardware:**
  - Based on low cost platform with IP stack
  - DIN Rail clips included
- **Software tools:**
  - DLL, ActiveX, VB, Delphi
- **Product options:**
  - Power supply
- **Order information:**
  - DIGI 9052
  - DIGI power adapter 230V/50Hz



CarTag Sample configuration



## BCE Bos Consultancy Enterprises

**BCE Bos Consultancy Enterprises** is a Dutch based company, constantly building, extending and maintaining a network of distributors throughout Europe and Russia. Our aim is to identify resellers in each country to establish reliable long-term partnerships. **BCE** has the wide knowledge and specialization to deliver solutions for the high end of the security spectrum. **BCE** represents a large number of international manufacturers specialized in video networks for cities and industrial zones, thermal camera's, switches, personal media radio systems and covert solutions like as:

### CarTag



Wireless security system protect stealing parts from cars parked at parking places of dealers, lease companies and fleet owners.

### DigiController



IP Based I/O controller supporting many connectivity protocols

### RapidCam



Rapid deployment, user friendly, easy to install stand alone camera solution and can be used for observation and covert operations.

### Thermal camera program



Thermal camera solutions for use at Industrial sites, Border Control, Airports, Harbours, Perimeters etc.

From bright exposure in colour in day time and monochrome during night time.

Solutions up to a distance of 5 Kilometers

### Personal Media Relay System



Advanced professional wireless multimedia + location, streaming and recording device with built-in GSM and GPS modem.

### Solar MOCS



Solar based fully stand alone camera system with built-in GSM modem used for observation and covert operations.

### Smartdect



Full stand alone camera system either to be used as point to point as well within network environment used for observation and covert operations.

### Wavesight



Wireless Outdoor Video Network solutions suitable at cities, harbours, airports, and industrial areas. Providing stable Point to Point and Point to Multipoint connections up to 300 Mbps and 40 kilometer of distance with license free and licensed connections.

### Stand Alone Solare Power SASP



The small and lightweight portable and rapid deploy Solar solution for camera's and radio's at sites without any infrastructure.

### Switches and power supplies



A great variety of industrial and desktop switches. Managed and un-managed PoE switches suitable for integrated use at surveillance systems of cameras and wireless radio configurations. Capacity up to 1 Gb.

### Patio Mounts and brackets



Robust steel galvanised or aluminium patio mounts, pole extenders, L + M wall brackets and U-Clamps in different size and design. Ideal for easy installation of radios and cameras on top of building or at wall.

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