

BIRDY WP

Robust and waterproof pager



TPL DAYS 2017



- POCSAG receiver – good sensitivity
- Waterproofness IP67
 - Standard conformity (30 min / depth of 1 meter)
- Rugged case
- Long battery life
- RFID tag included (door control access ...)





General features

- POCSAG receiver
- Battery AA type (rechargeable or standard battery)
- Display 4 lines 20 characters
- 128 addresses (2 types)
- 4 sub-addresses for each address, with the possibility of setting a pre-defined message with associated ring
- Only synthesized version
- 21 melodies
- Multi-languages
- 12 user profiles
- Out of Range
- Vibrate
- Back light
- Programming by Windows compatible software through USB output
- Micro-controller updating by PC
- Battery charger with or without antenna



BIRDYWP

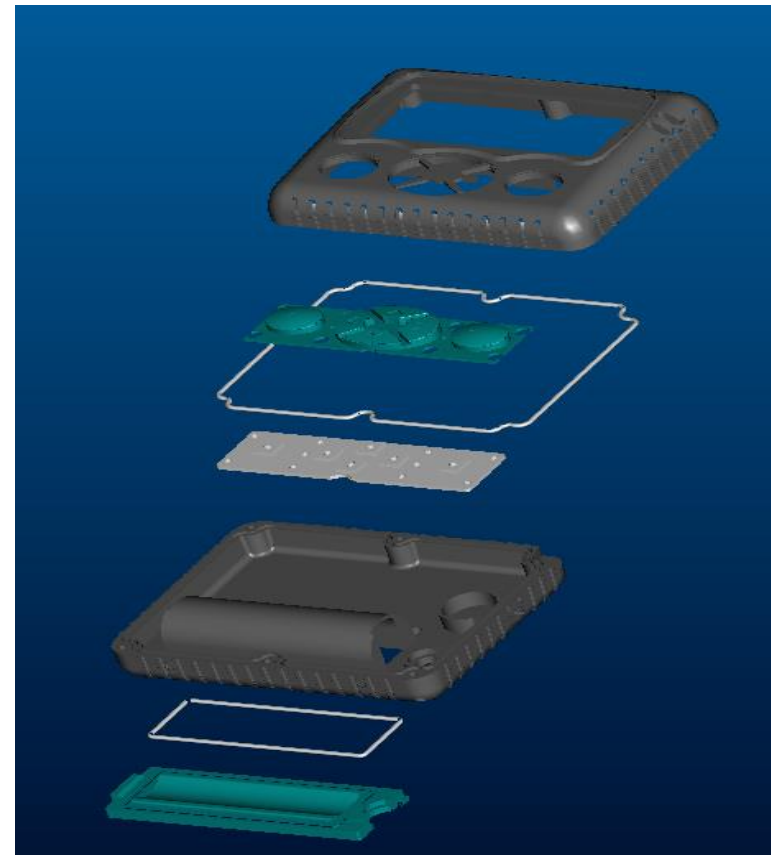
Waterproofness



The conception of BIRDYWP/s is compliant with IP67 standard.

The mechanical integrates 2 rubbers for the waterproof protection, and the final assembly is made thanks to 6 screws.

The case is very robust.





BIRDY WP

2 revisions

Revision 1 :



Revision 2 :

- New CPU
- Only Synthetised version
- New radio 8 or 128 addresses
- Flex version
- **Cameleon** display, (programming of each identity or sub-address with a specific color)
- New rear case with belt clip integrated





01110000111101010
0110101011100

TPL Systèmes has developed in collaboration with the RED CROSS CARINTHIA a software encryption for BIRDY WP / III.

This encryption is based on AES256

S2P₂₅₆

Secure Paging Protocol 256



AUSTRIAN RED CROSS

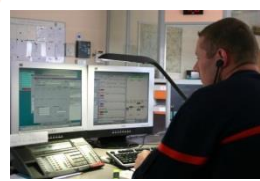
CARINTHIA

AUSTRIAN RED CROSS
CARINTHIA

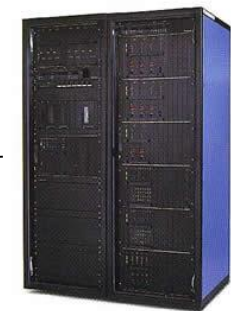
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Control room



POCSAG Tx



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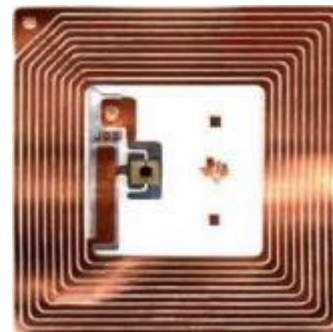


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RFID tag features

- Integrated (within the label) on the back of the pager
- Mifare technology in 13,56MHz (widespread in the world)
- Access control (door opening, in-vehicle crew management...)
- Integrated tag on the battery door
- Doesn't need any power supply
- No programming needed





Charger

- 220V charger with intelligent circuit
- Includes red LED light which flashes when receiving alert
- Contact relay
- Option: external input for POCSAG antenna
- Option: pager programming by USB





Plastic holster



Horizontal leather pouch
"low cost"



Leather pouch
« smartphone type »
with magnet



Vertical leather pouch
Vertical textile pouch

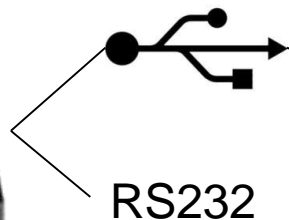




New feature on the BIRDYWP

Remote control on serial port

- Transmission of the message on the serial port
 - RS232
 - USB
- Manageable serial protocol
- Usable for LED panel, TV, etc...





(1) **TYPE EXAMINATION CERTIFICATE**
(TRANSLATION)

- (2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 94/9/EC
(3) Type examination certificate number:

SIQ 13 ATEX 190



- (4) Equipment: Birdy WPs ATEX, type synthesized POCSAG pager
(5) Manufacturer: TPL SYSTEMES
(6) Address: ZAE du Perigord Noir, BP 145, FR-24200 Sarlat, France
(7) This equipment and any acceptable variations thereto are specified in the schedule to this certificate and in the documents therein referred to.
(8) SIQ Ljubljana certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in the confidential test report TEx190/13.
(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with the following standards:

EN 60079-0 : 2012

EN 60079-11 : 2012

- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
(11) This type examination certificate relates only to the design, examination and tests of the specified equipment in accordance with the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
(12) The marking of the equipment shall include the following:

II 3G Ex ic IIC T4 Gc

Certification body

Ljubljana, 12 September 2013

Igor Likar

TPL Systèmes has developed a specific ATEX version for the BIRDY WPs, with the level :

II 3G Ex ic IIC T4 Gc

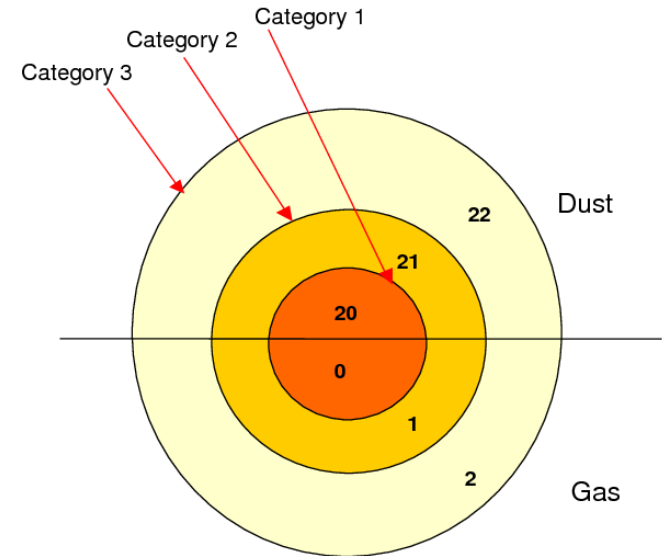
This certification is available on BIRDY WPs in VHF band, not UHF for the moment.

This certification is the first level on the ATEX certification.

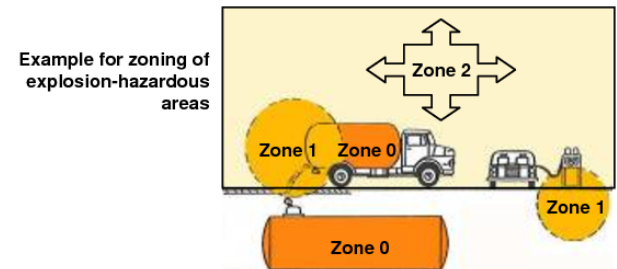


II 3G Ex ic IIC T4 Gc

- II – Equipment group: II surface industries
- 3 – Category: 3 equipments (suitable for use in Zone 2)
- G – Gas: Suitable for atmospheres containing gas
- Ex – Explosion-proof electrical equipment
- ic – Hazardous areas: Intrinsic Safety 'ic' – Zone 2 -
- II – Gas Group II - surface industries
- C – Gas sub group = Hydrogen
- T4 – Temperature class T4 (135 degrees centigrade surface temperature)
- Gc – Equipment Protection Level : Applicable zone 2



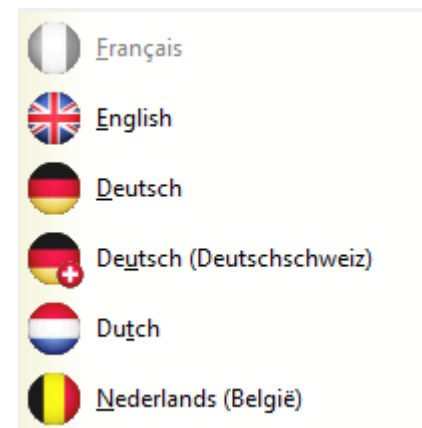
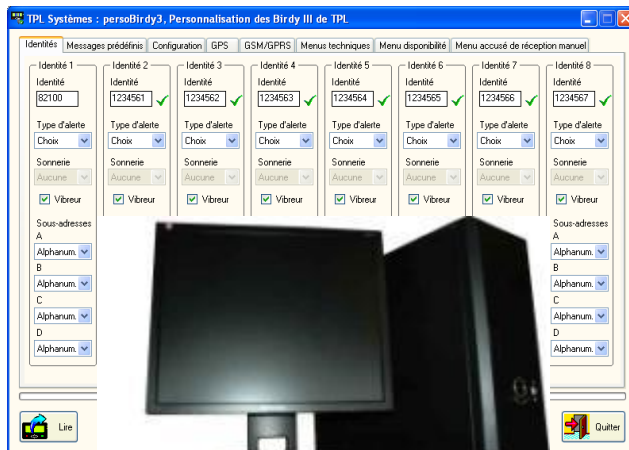
- Explosive atmosphere: permanent, long-term
- Explosive atmosphere: occasionally
- Explosive atmosphere: rare, short-term





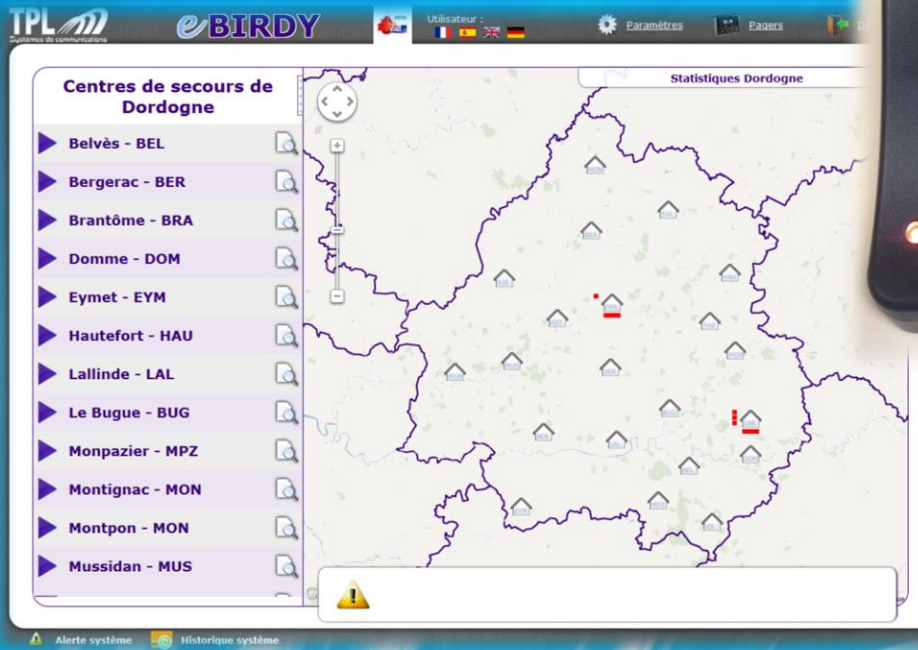
Programming software

- WINDOWS compatible software
- USB link between programmer and PC
- Programming of the whole BIRDYWP functionalities
- Same software for the BIRDY range
- Same software for programming and upgrading
- Multi-languages software



eBIRDY

Birdy pagers remote management system



eBIRDY is a web platform enabling the management, the deployment and the update of Birdy pagers range (Birdy WP / Birdy III / Birdy Slim).

- Customer-server architecture and SQL database
- Web interface
- Birdy customization update follow-up
- Birdy software update follow-up
- Alarm management with programming cradle
- Possibility of using the craddles in isolated mode

This system is unique and the customer like firefighter organization wins lot of time and money to manage its Birdy fleet



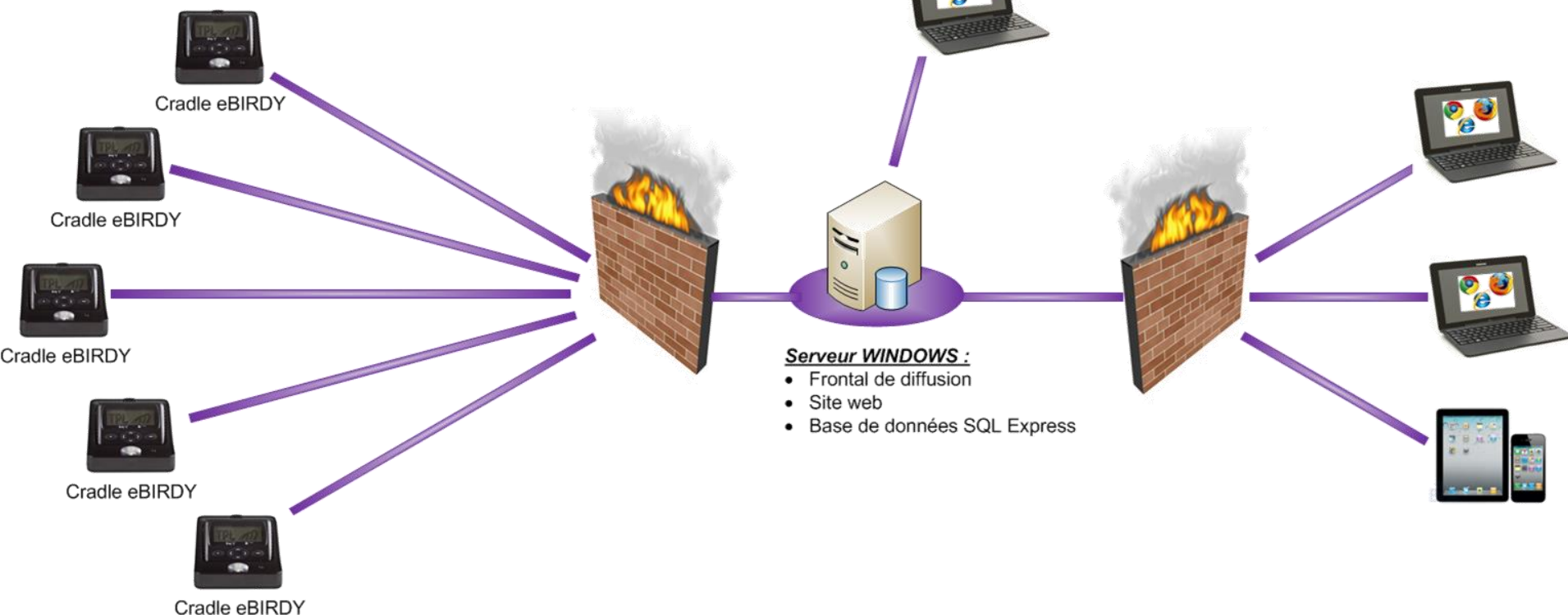
Fire brigades



Control room server



Web browser



For Birdy WP and Birdy III



Red : 5V present
Blink: battery charge indicator

Display :
Files transfer information
Update process status

Blinking green: RUN
Blinking red: update in progress

Fire brigades list

Map of the fire brigades

The screenshot displays the eBIRDY website interface. At the top, there is a purple navigation bar with the TPL logo, the eBIRDY logo, and menu items for 'Support(s)', 'Pagers', and 'Paramètres'. On the right side of the bar, it shows the user role 'Utilisateur : Administrateur ad.' with a dropdown arrow. Below the navigation bar, the main content area is divided into two sections. On the left, under the heading 'TPL SYSTEMES TPLS', there is a list of fire brigades, each with a blue arrow icon and a small image of a mobile device. The list includes: TPL - TPL SYSTEMES, ABM - AB COM, ALEX - Alex, DMO - DEBOCOM, DBCO - DEBOCOM, DMO - Demo, FAB - Fabrication, LUX - Luxembourg, SRL - SARLAT, S42 - SDIS42, 2.2 - CIE 2.2, and 2.3 - CIE 2.3. On the right, there is a map of the region around Brive-la-Gaillarde, France, showing various towns and roads. Two red arrows point from the text labels above to the 'DMO - DEBOCOM' entry in the list and to a specific location on the map.



Statistics on customization follow-ups and software
updatings

Support(s) Pagers Paramètres Utilisateur : Administrateur ad.

Statistiques

| | Logiciel pager | | Personnalisation | |
|---------------|----------------|----------|------------------|-----------|
| Birdy3-Flex | ✓ 0 | 0 | ✓ 0 | 0 |
| BirdyESPION | ✓ 0 | 0 | ✓ 0 | 0 |
| BirdyIII-r1 | ✓ 0 | 0 | ✓ 0 | 0 |
| BirdyIII-r2 | ✓ 1 | 0 | ✓ 2 | 0 |
| BirdySlim | ✓ 0 | 0 | ✓ 0 | 0 |
| BirdyWP | ✓ 0 | 0 | ✓ 0 | 0 |
| BirdyWP-r2 | ✓ 454 | 0 | ✓ 411 | 43 |
| BirdyWPs | ✓ 0 | 0 | ✓ 0 | 0 |
| Global | ✓ 455 | 0 | ✓ 413 | 43 |

eBirdy V2.1.7 800

New software version deployment



TPL eBIRDY Support(s) Pagers Paramètres Utilisateur : Administrateur ad.

Logiciel pager du groupe TPL SYSTEMES

Version à déployer: **BirdyWP >> BirdyW v1.04.0__03** [Ajouter un fichier](#)

Sélection Pagers

Taper votre recherche... Liste des profils

TPL SYSTEMES

| | | |
|---------------------|---------------|-------|
| FAB - 0915303092028 | GIBELIN_J | |
| BirdyWP-r2 | | |
| FAB - 0915303092029 | GOUPIL_P | |
| BirdyWP-r2 | | |
| FAB - 0915303092030 | HAINCOURT_... | ▶ |
| BirdyWP-r2 | | ▶ |
| FAB - 0915303092031 | HAMON_K | ▶ |
| BirdyWP-r2 | | ▶ |
| FAB - 0915303092032 | HENRY_D | ▶▶ |
| BirdyWP-r2 | | ▶▶ |
| FAB - 0915303092033 | HOMMAIS_P | ▶▶▶ |
| BirdyWP-r2 | | ▶▶▶ |
| FAB - 0915303092034 | HORN_S | ▶▶▶▶ |
| BirdyWP-r2 | | ▶▶▶▶ |
| FAB - 0915303092035 | JEGADO_L | ▶▶▶▶▶ |
| BirdyWP-r2 | | ▶▶▶▶▶ |
| FAB - 0915303092036 | | |

BirdyWP-r2 HAINCOURT_...
FAB - 0915303092031

DÉPLOYER

www.tplsystemes.com eBirdy V2.1.7 B00

Addition of pagers

EXCEL file

| Numéro de serie | Centre du pager (Mnémonique) | Nom de l'utilisateur | Prénom de l'utilisateur | Type du pager | RIC | Mot de passe de perso | Mot de passe de flashage |
|-----------------|------------------------------|----------------------|-------------------------|---------------|-----|-----------------------|--------------------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Liste des Pagers

Enregistrements par page : 10

Ajouter un pager

Rechercher :

| Type | Groupe | Numéro de série | Utilisateur | Version Soft | Statut Soft | Version Perso | Statut Perso | Actions |
|------------|-------------|-----------------|-----------------|--------------|-------------|------------------------------|--------------|---------|
| BirdyWP-r2 | Fabrication | 0915303091925 | NICOLAS_I | 1.00.3.3 | ✓ | 0915303091925-birdyWPr2-rev2 | ✓ | |
| BirdyWP-r2 | Fabrication | 0915303091924 | NDIAYE_O | 1.00.3.3 | ✓ | 0915303091924-birdyWPr2-rev2 | ✓ | |
| BirdyWP-r2 | Fabrication | 0915303091923 | MUNAGORRI_... | 1.00.3.3 | ✓ | 0915303091923-birdyWPr2-rev2 | ✓ | |
| BirdyWP-r2 | Fabrication | 0915303091922 | MOSCODIER_... | 1.00.3.3 | ✓ | 0915303091922-birdyWPr2-rev2 | ✓ | |
| BirdyWP-r2 | Fabrication | 0915303091921 | MAILFERT_G | 1.00.3.3 | ✓ | 0915303091921-birdyWPr2-rev2 | ✓ | |
| BirdyWP-r2 | Fabrication | 0915303091920 | LENGLOS_C | 1.00.3.3 | ✓ | 0915303091920-birdyWPr2-rev2 | ✓ | |
| BirdyWP-r2 | Fabrication | 0915303091919 | LEGIER_B | 1.00.3.3 | ✓ | 0915303091919-birdyWPr2-rev2 | ✓ | |
| BirdyWP-r2 | Fabrication | 0915303091918 | LE NOU...NE_... | 1.00.3.3 | ✓ | 0915303091918-birdyWPr2-rev2 | ✓ | |
| BirdyWP-r2 | Fabrication | 0915303091917 | LASSIETTE_... | 1.00.3.3 | ✓ | 0915303091917-birdyWPr2-rev2 | ✓ | |
| BirdyWP-r2 | Fabrication | 0915303091916 | LAGIRAND_R | 1.00.3.3 | ✓ | 0915303091916-birdyWPr2-rev2 | ✓ | |

Affichage de l'élément 381 à 390 sur 484 éléments

Précédent 1 ... 38 39 40 ... 49 Suivant

SPY POCSAG

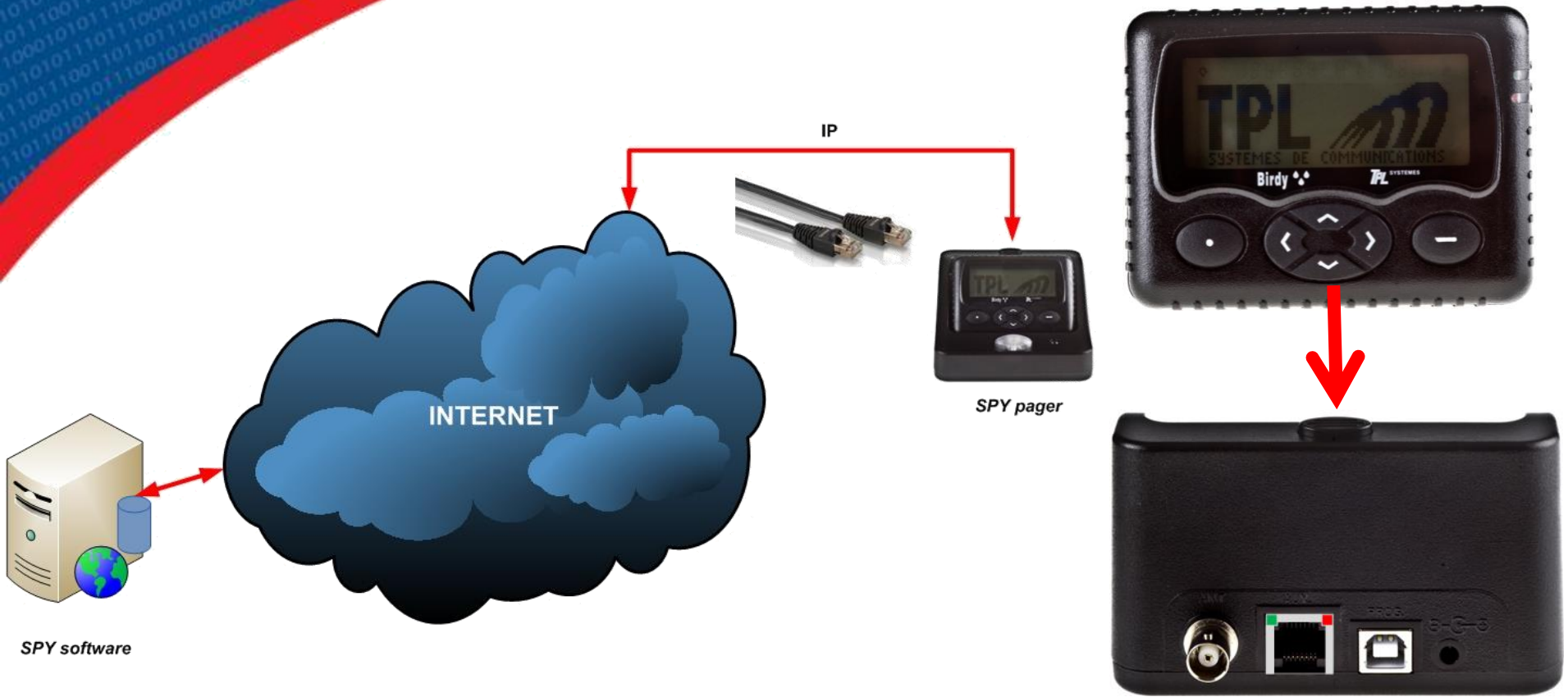
POCSAG network monitoring



TPL DAYS 2017

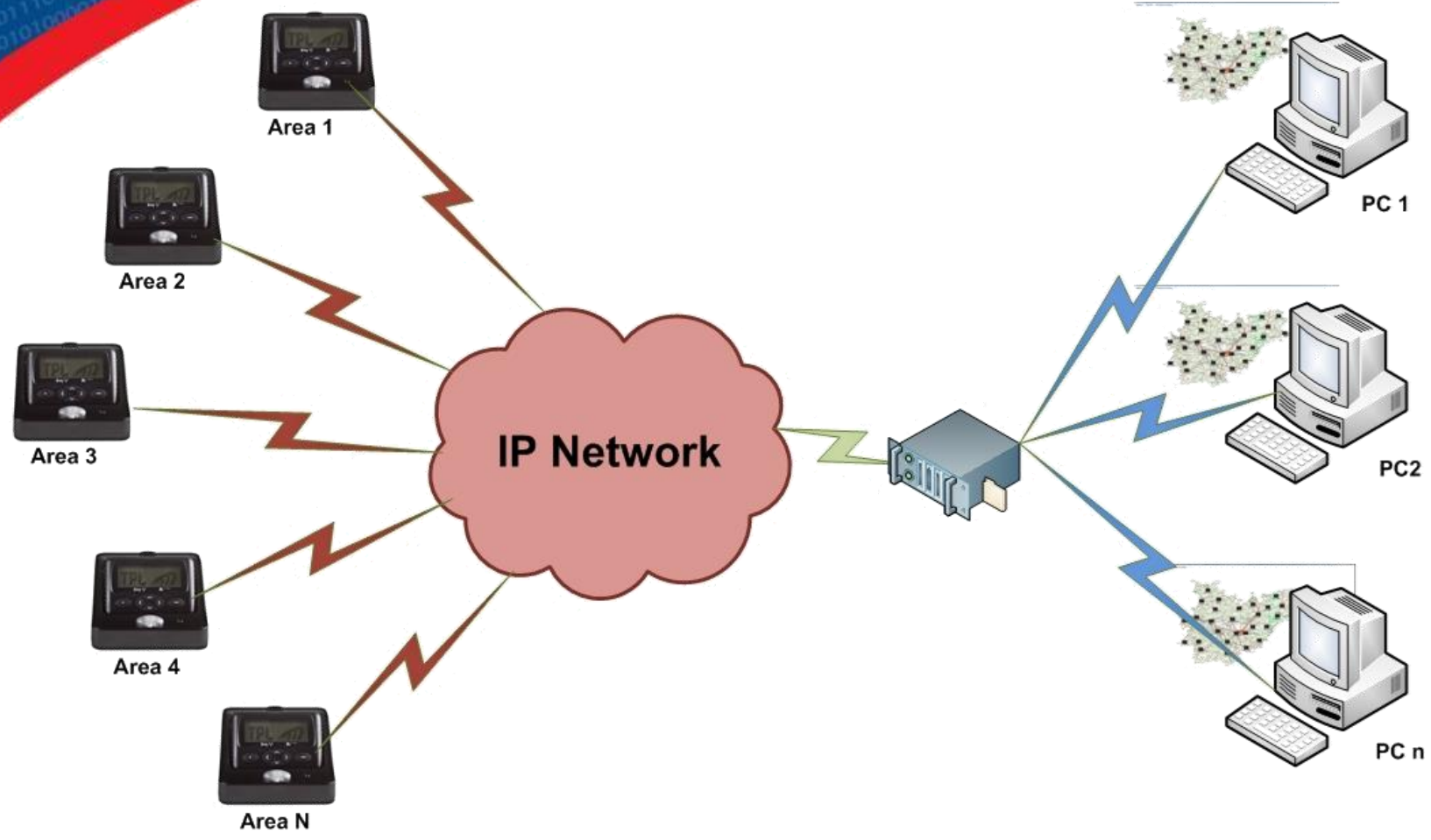
SPY POCSAG

Functionning pattern



SPY POCSAG is a software server for monitoring POCSAG networks using IP connection, it allows to record all messages and alarms received by **Birdy WP** pagers.

SPY POCSAG Functionning pattern

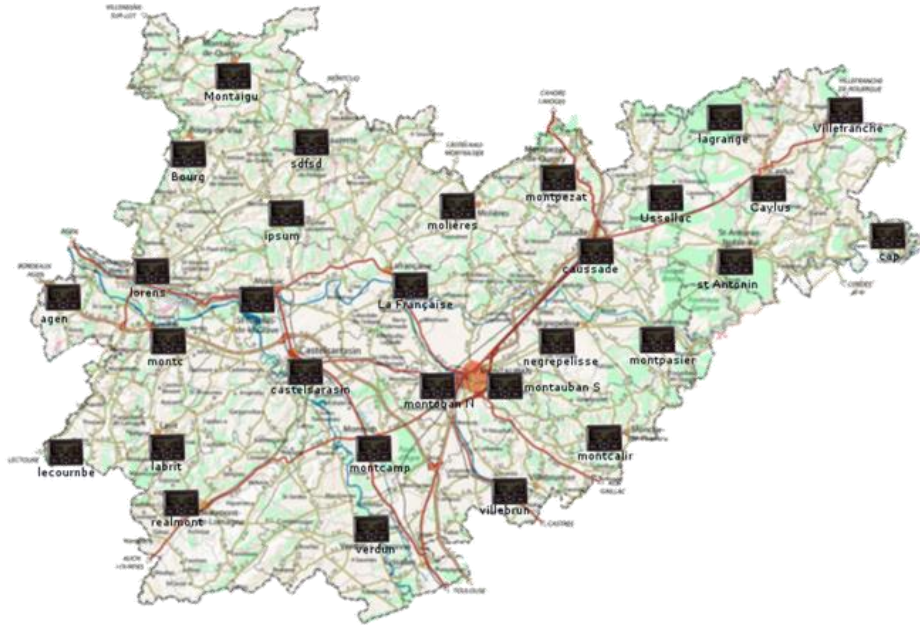


SPY POCSAG is based in a server/client platform and several **BIRDYWP SPY** located in each fire brigade, hospital or industry and dialoging through IP until server.

SPY POCSAG Pager BIRDY WP128

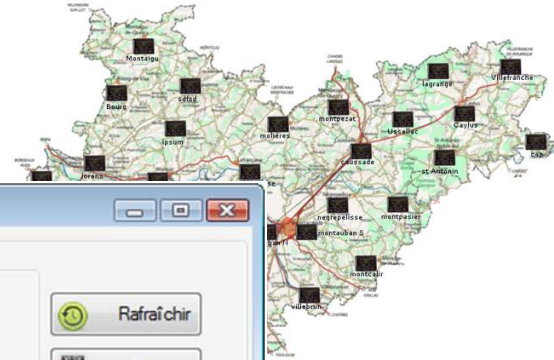


BIRDYWP SPY terminal is a **BIRDYWP 128** RICS with a specific software.
BIRDY WP128 must be placed on an IP SPY charger with Ethernet port.



Spy **POCSAG** server is build with a software running on **WINDOWS** and with an SQL database that provides a secure record of each message and parameters. Visualization software can be install in several machines and work simultaneously in order to consult all received messages by **BIRDYWP SPY** terminals. Thanks to its configurable geographic background map, its very easy to display if one **BIRDYWP ESPION** detects errors or radio electric perturbations.

serveur
Espions Alarmes Données du réseau ?



Historique de Sarlat

Historique

Profondeur

12 heures Libre De 25 janvier 2012 09:10:54 à 26 janvier 2012 09:10:54

1 jour 3 jours

Rafraîchir

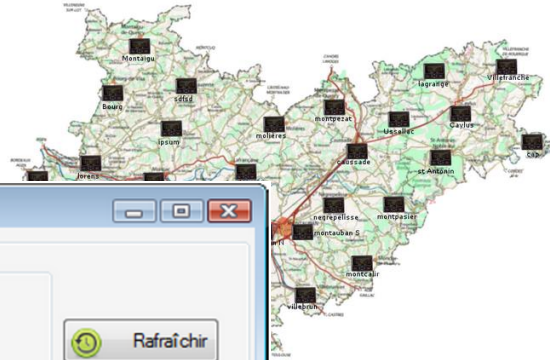
Exporter

| Horodatage de l'évènement | RIC | Centre | RSSI | Message |
|---------------------------|---------|--------|------|-------------|
| 26/01/2012 09:10:11 | 0244321 | Sarlat | - 85 | DEPART VSAV |
| 26/01/2012 09:08:25 | 0244321 | Sarlat | - 85 | OVH ALARME |

2 enregistrements

Fermer

With the help of its search tool, its easy to perform a search of Pocsag alerting that has be done at a precise date, to verifier the message, RICS codes called, RSSI and verify if there was an alarm or not.



Informations techniques de Sarlat

Historique

Profondeur

12 heures
 Libre
 De 25 janvier 2012 09:11:02
 à 26 janvier 2012 09:11:02

1 jour
 3 jours

Rafraîchir

Exporter

Données

- Toutes les données -

| Horodatage de l'évènement | Centre | Message |
|---------------------------|-----------|--------------------------------------|
| 26/01/2012 09:07:46 | Sarlat | Inscription de l'espion |
| 26/01/2012 09:07:46 | Sarlat | Reprise de la connexion sur l'espion |
| 26/01/2012 09:07:42 | Sarlat | Déconnexion réseau |
| 26/01/2012 09:07:39 | Sarlat | Coupure de la connexion sur l'espion |
| 26/01/2012 08:59:19 | Sarlat | Inscription de l'espion |
| 26/01/2012 08:59:19 | Sarlat | Reprise de la connexion sur l'espion |
| 26/01/2012 08:59:15 | SARLAT CS | Déconnexion réseau |
| 26/01/2012 08:59:15 | SARLAT CS | Déconnexion réseau |
| 26/01/2012 08:59:11 | Sarlat | Coupure de la connexion sur l'espion |

If there's no permanent operator, you will automatically receive an email and/or an SMS. Alarms received can be the following : permanent transmission, neighbour networks detected, weak RSSI, operational alarms.

- Server
 - Windows WP/SEVEN/Server 2003/ Server 2008
 - Processor I3 or more
 - Memory: 2Go
 - Installation SQL Serveur or SQL Express (limited to 4Go)
 - Network access
 - SMS
- Remote computers
 - Windows WP/SEVEN
 - Network access

- Features
 - Number maximum of SPY: 200
 - Number maximum oc remote computers: 100
 - If connection fails between BIRDYWP ESPION and the server, BIRDYWP SPY record last 127 received messages (256 characters max) to retrieve them once connection to server is back.
 - Terminal BIRDYWP ESPION is equipped with external antenna
 - Dynamic RSSI 40dBm
 - Sensitivity = -110dBm (example for a 173,5125Mhz in 1200bauds)



THANK YOU



...when every second counts