AUDIOGUIDE PROJECT:
Guiding visually impaired people through stations

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1-B Innovations

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Aim

- **AudioGuide Project** consists in a new software development that will improve stations universal accessibility giving a high quality service to disabled users, especially to visually impaired collectives.

- The objective is that this collective can be as **autonomous** as possible during their access, stay and transit through stations.

- To be fully functional the AudioGuide Project is supported, in stations, by specific devices called **Interactive Information Points** placed along the **Guide Paths**.
Making the most out of Guide Paths

CURRENT AND FUTURE

- As part of ADIF’s accessibility strategy, **Guide Paths** are being installed in stations.
- Guide Paths differentiated pavement becomes a **connection** line between the main station areas and facilities.
- Placing **Interactive Information Points** with the Audioguide Software in these strategic locations, enhances the purpose of guide paths.
Guide Paths: Design

- **Guide Paths** are formed by different types of pavements:
  1. Path Pavement with longitudinal grooves in the walking direction. Width = 40cm.
  2. Caution Pavement with perpendicular grooves to the walking direction. Width = 80 – 120cm.
  3. Turn Pavement with buttons. Dimensions = 120 x 120cm.
Guide Paths: Implementation

<table>
<thead>
<tr>
<th>PHASE</th>
<th>Guide Paths in Stations</th>
<th>Passengers (2012 data)</th>
<th>Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHASE 1 (finished)</td>
<td>18</td>
<td>55%</td>
<td>550,000 £</td>
</tr>
<tr>
<td>PHASE 2 (under construction)</td>
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<tr>
<td>PHASE 3 (under planification)</td>
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<tr>
<td>TOTAL</td>
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AudioGuide: Interactive Information Points

- Interactive Information Points (IIP) are the physical devices that will contain the AudioGuide Software. There are already 30 IIP in 17 Spanish Stations to provide customers and passengers, in an interactive way, station and train schedules information.

- IIP are Fully Accessible for all Disabled Collectives:
  - Physically impaired: IIP are easy to use from a wheelchair since the control touch screen height is adjusted.
  - Visually impaired: equipped with braille buttons and audible handling and contents.
  - Hearing impaired: equipped with magnetic induction loop.
AudioGuide: Operation

- The **AudioGuide** messages can be listened using standard headphones from IIP’s located in stations.

- IIP will provide a function, by means of audible descriptions **to guide** visually impaired people using guide paths, **to the main station facilities**.

- It will be possible to download the AudioGuide from internet **to listened** it on mobile devices.
The AudioGuide Project can provide the following information via properly structured audio files.

- Access information.
- Location of station main services. Moving around the station.

The AudioGuide Implementation:
- First phase: Madrid Chamartín and Madrid Puerta de Atocha Stations
The AudioGuide Software will be available from:
- ADIF’s website: www.adif.es
- Interactive Information Points (IIP).
- Mobile/tablet app “Station in your pocket”.

Mr. Dahl Sobrino – ADIF – Audioguide Project
Audioguide: Implementation
...Thank you for your kind attention

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