In collaboration with the visually impaired, three different functionalities were decided upon. A unique aesthetic for the white cane was designed which was tested on stigmaticity. This new white cane scored significantly lower on stigmaticity than the current white cane.

The novel functionalities each offer benefits to specific visually impaired personas found in research and play into different parts of the visually impaired journey.

1. The first concept allows the visually impaired to train routes autonomously. The connected cane gathers data about walking behaviour, allowing trainers to give more targeted feedback to cane walkers.

2. The second concept calms newly visually impaired and allows them to get used to walking with a white cane. Many visually impaired postpone this due to fear of stigma.

3. The third concept allows the visually impaired to indicate inaccessible areas to the municipality. This gives them a democratic voice and helps them participate in making a more accessible world for all.