

Empowering visually-impaired Accessible and Inclusive Packaging



285 million people are visually impaired globally

246 million have low vision

39 million are blind *



The Problem

The visually-impaired are not completely independent in **unfamiliar areas**

Because **it's difficult to read and follow** the traditional signage indications well

1



Our idea,

Why don't to put something on the **signage** and read it using a mobile phone camera?







How?

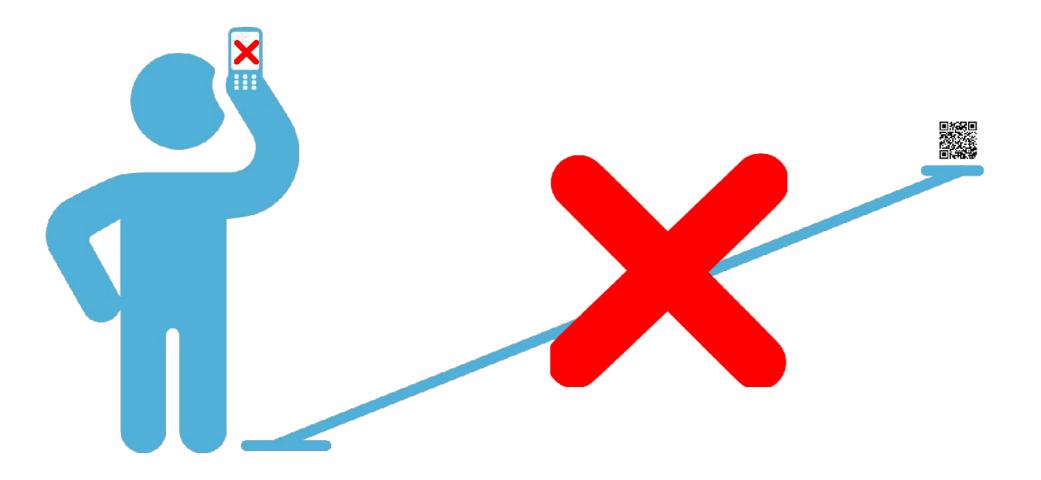
Our first approach was to add a QR code on the signage





But QRs don't work...

Because it's not possible to read a QR code from far away without having to focus on or frame it





5 years of intense R&D 2012 -> 2017 between Neosistec <u>Startup</u> & the <u>University</u> of Alicante

Searching for a QR code readable for the visually-impaired

2015

2014



Powered with 💙 by:

2012

Copyright Neosistec & University of Alicante

2017



A scannable code up to <u>40 feet away</u> in only <u>0.03</u> <u>seconds</u>! And <u>without needing to focus on it!</u>

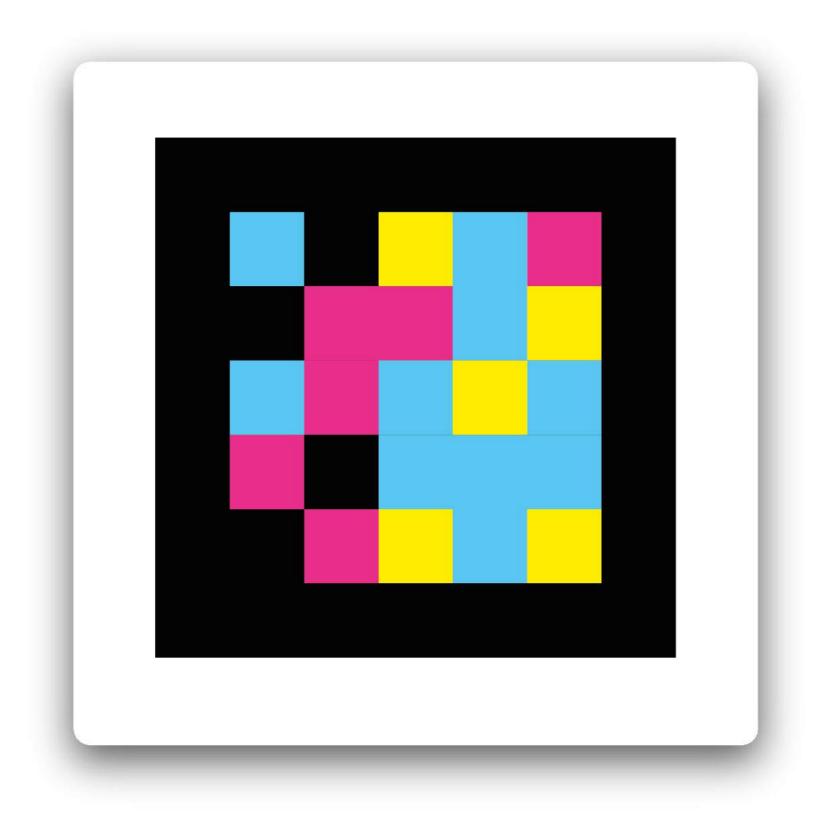




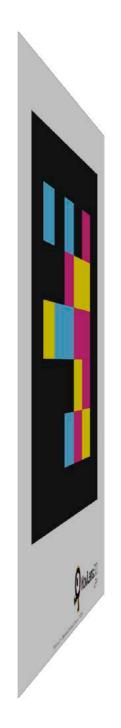
The NaviLens code PATENTED

Copyright Neosistec & University of Alicante

The NaviLens Code



Unique value: Distance + **Angle** + Speed



- + 80° degree



TIFLOINNOVA TRADE SHOW - Madrid 2017

0

NaviLens

OLYMPI

First Massive User Testing National Association of Blind Madrid 2017



Adding the NaviLens codes in the signage -> Making the booths visible to the blind users



Extraordinary Users Feedback!



This is amazing!

ONCE Spain





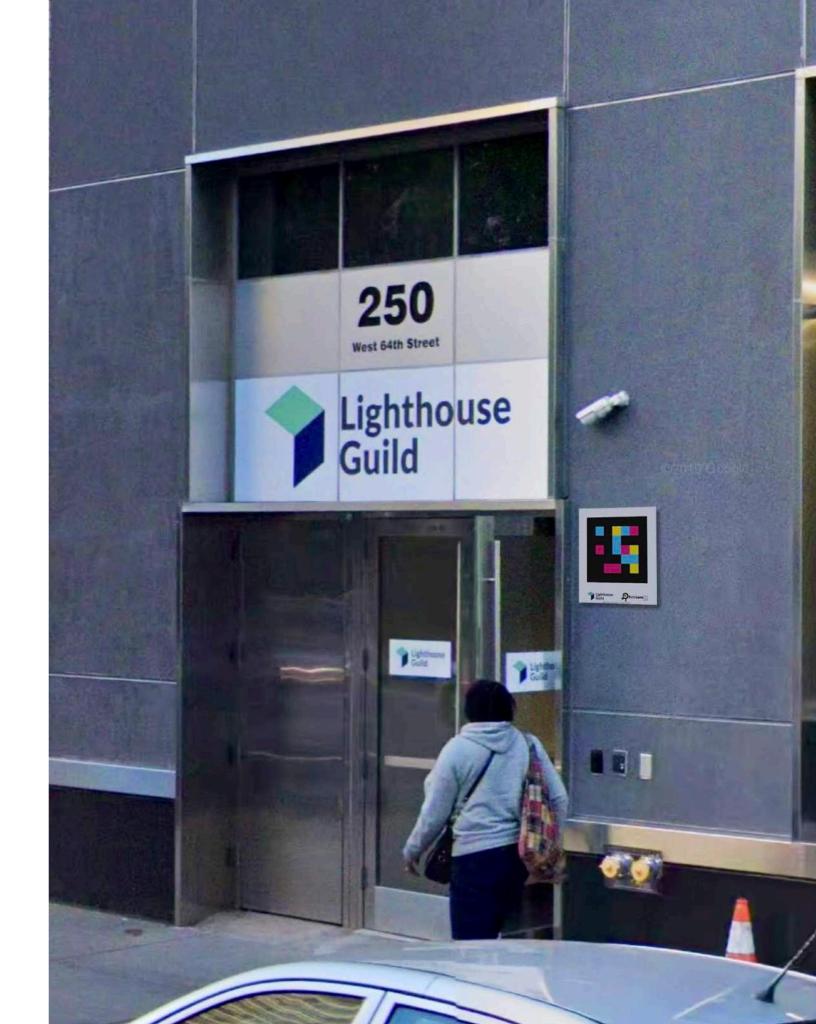
France



RNIBHQ London,UK



LIGTHOUSE GUILD HQ New York, USA



NaviLens First implementations 2017-2019



BARCELONA TRANSIT: 5 million inhabitants



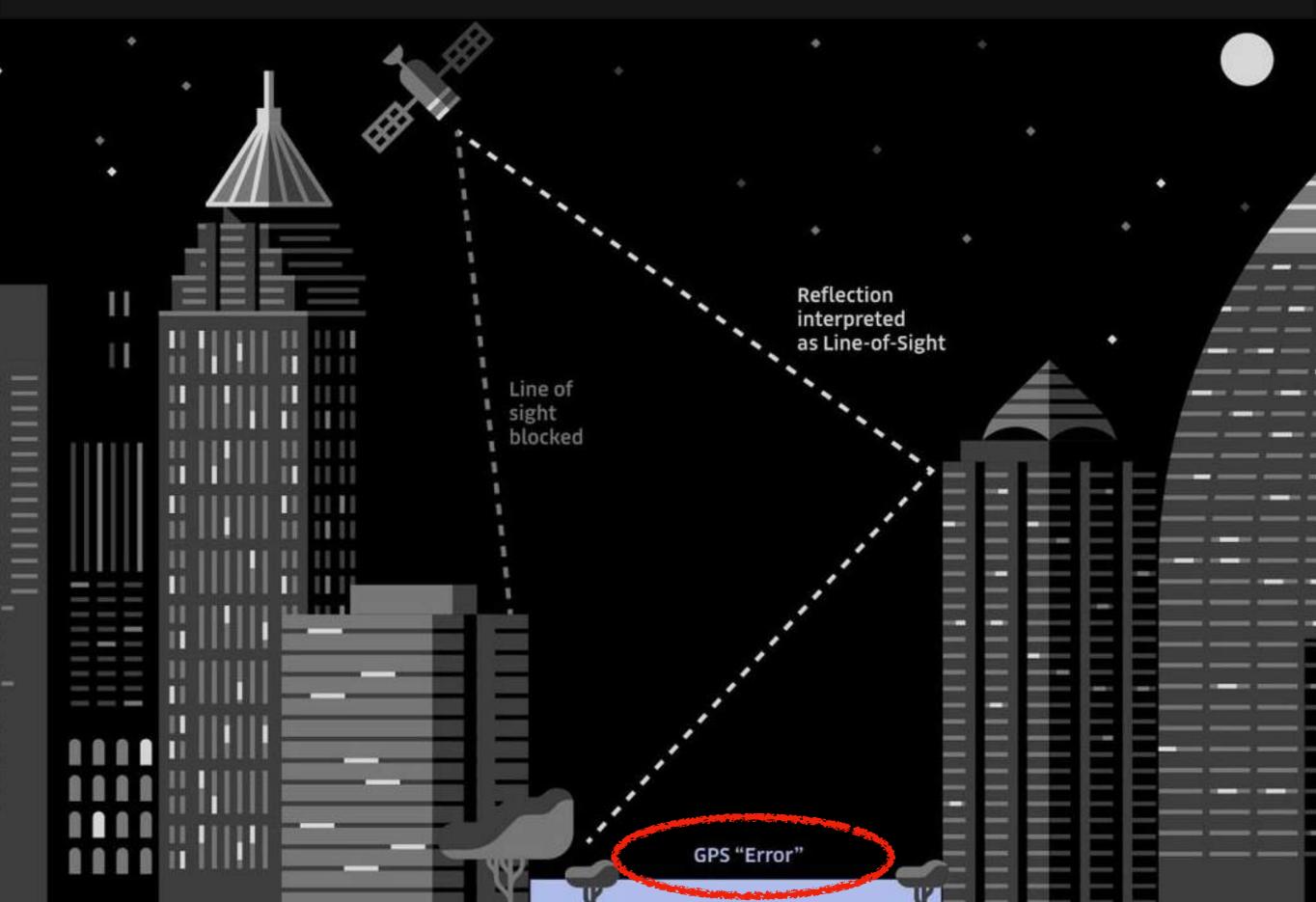


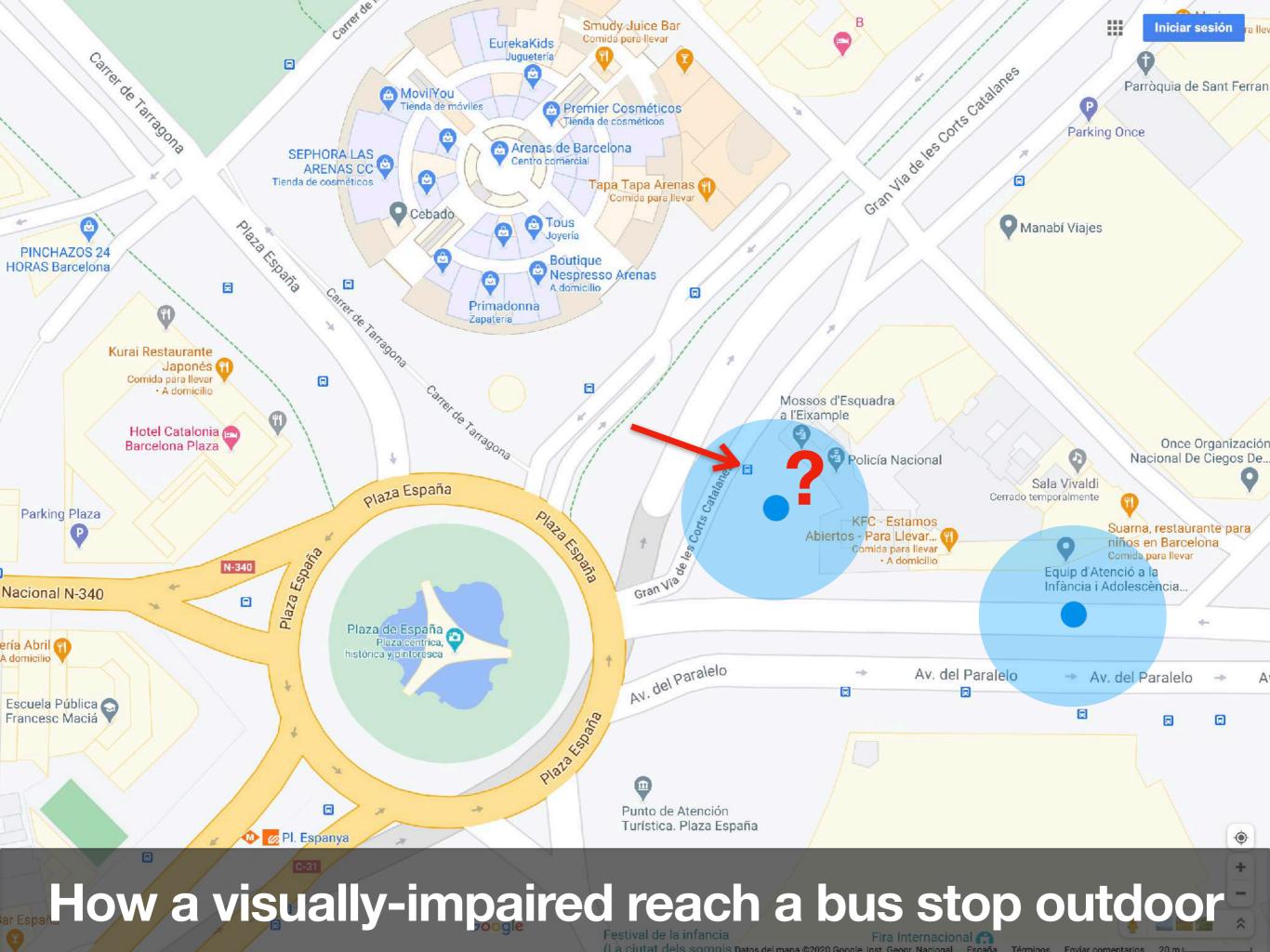


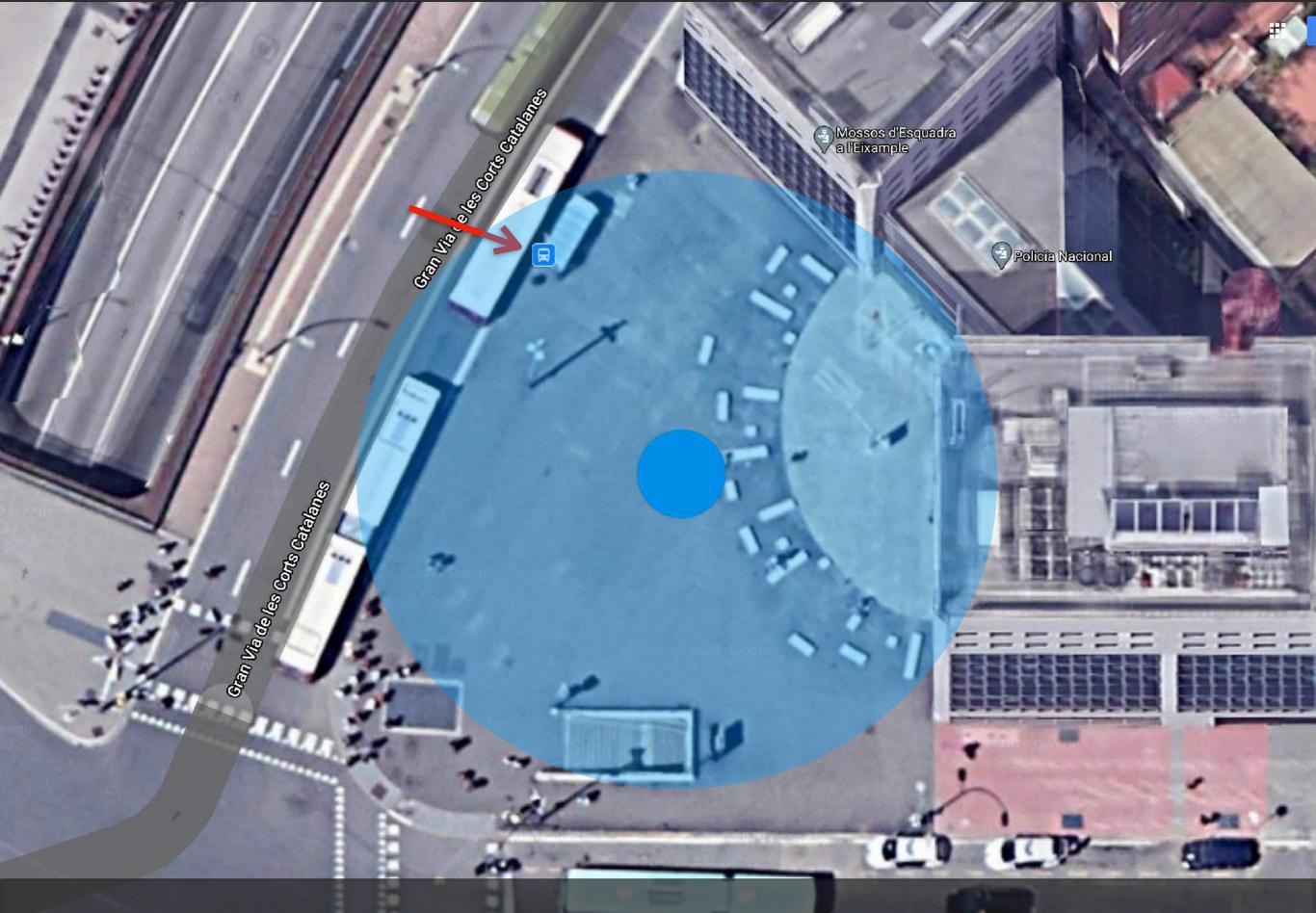


Transports Metropolitans de Barcelona

OUTDOORS: GPS is not accurate enough for the blind







How to solve the last-few yards problem?



Barcelona Public Transport System



12' inches/30 cm vinyl code readable up to 66 feet / 20 meters far away

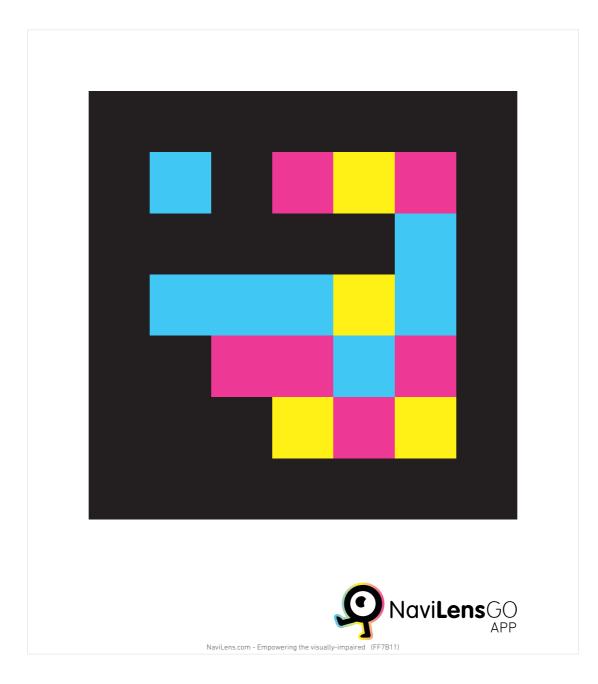
Download NaviLens GO App to scan the next slides











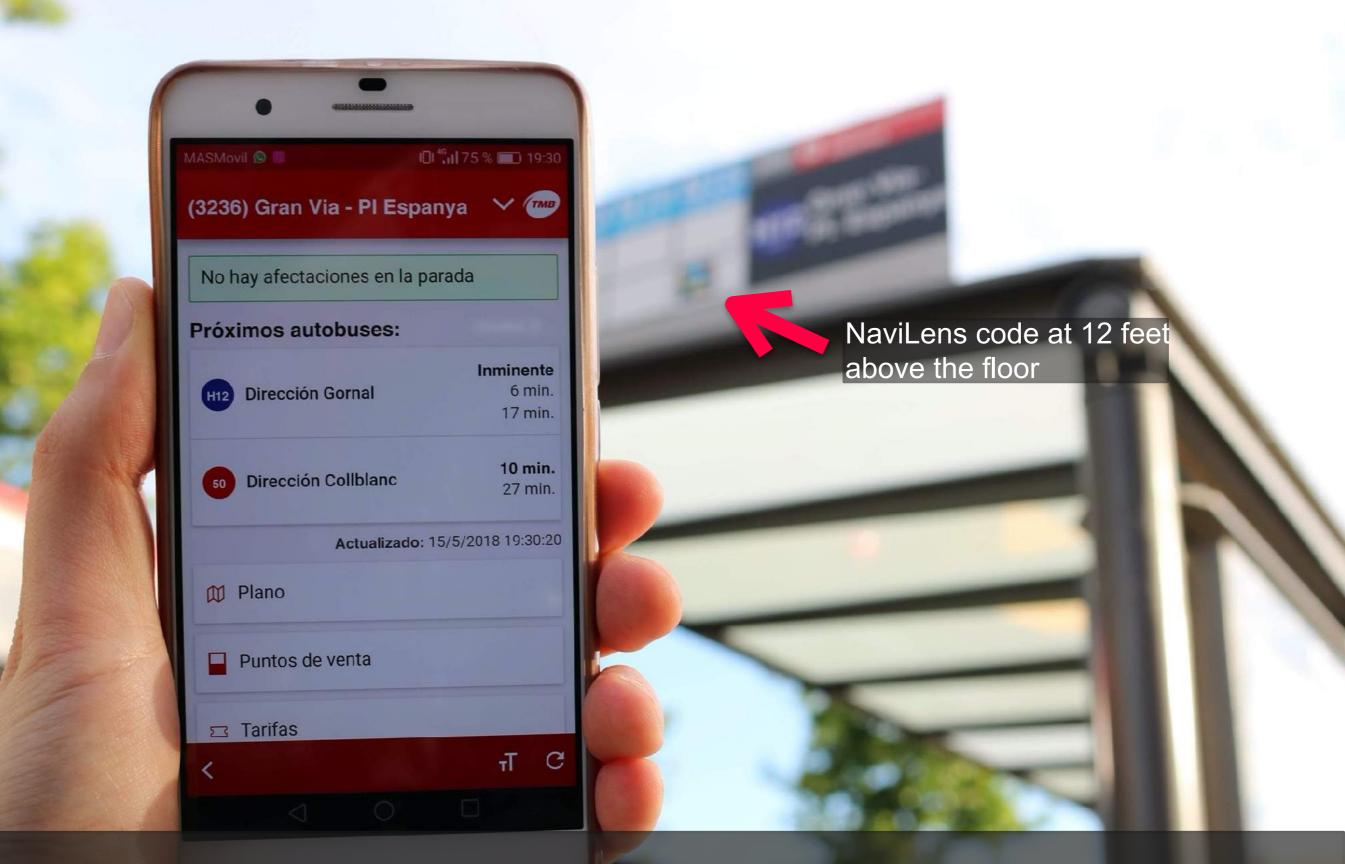
Location of the bus stop and audible real-time information for the blind

OXIII

Transports-Metropolitans de Barcelona

Barcelona tested successfully the technology with a panel of 20 blind users



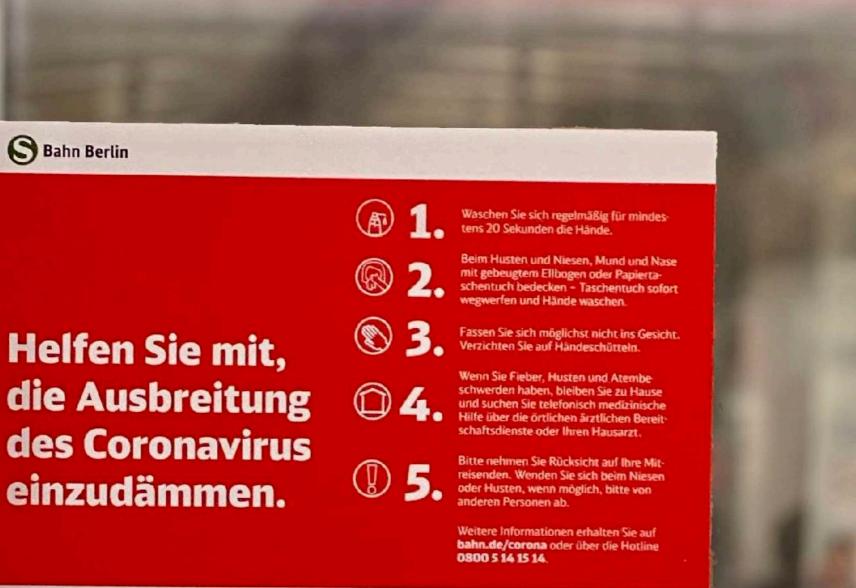


Contextualized Real-time information at a glance for everybody



The same code serves information in 33-languages

This information is not accessible for the visually-impaired





And it's not accessible for non-german speakers





NaviLens helps blind users and sigthed users that don't speak German



Including non-roman languages like Japanese





NEW YORK

Easy implementation -> <u>Easy scaling</u> As simple as adding the code on the current bus stops





Manhattan Bus Pole with the NaviLens code







New York Subway with the NaviLens code





Empowering the visually-impaired to be fully independent



UNION STATION, LA METRO MAIN ENTRANCE, LOS ANGELES



TO UNION STATION WEST PASSAGEWAY TO TRAINS AND BUSES







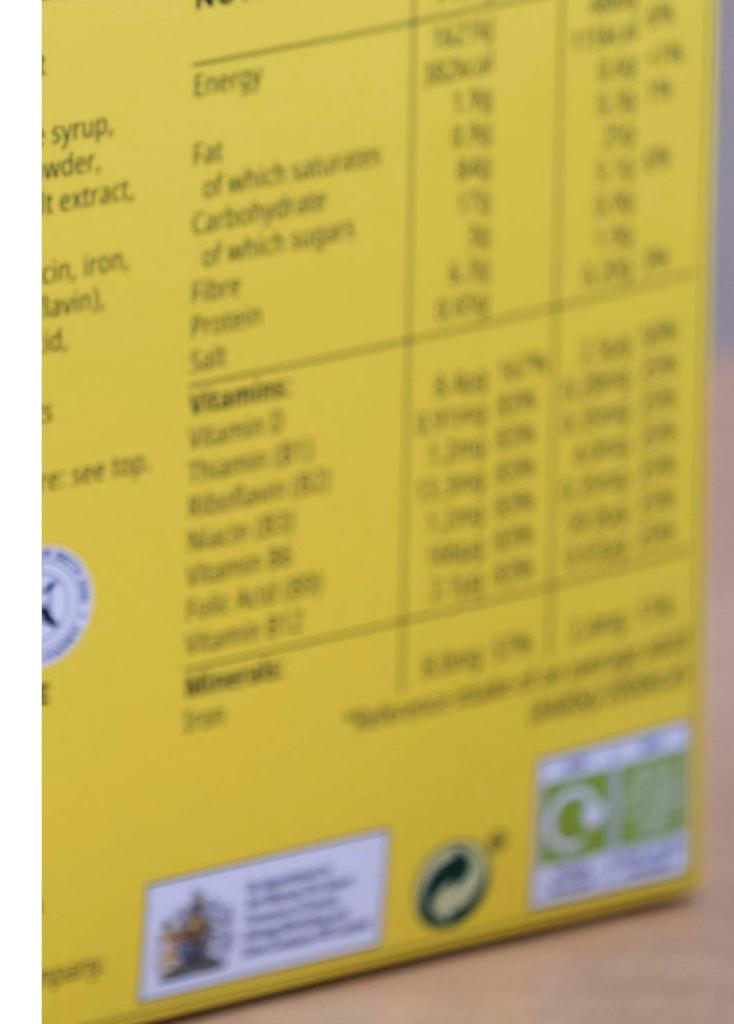
CREATING AN INCLUSIVE WORLD FOR EVERYBODY



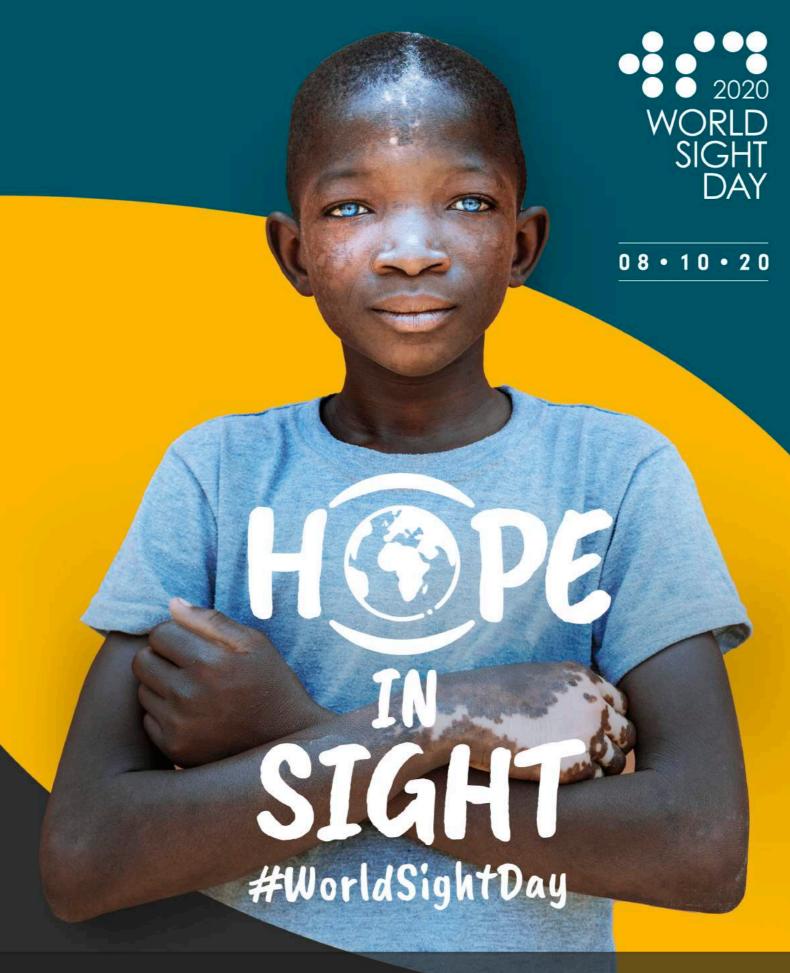
NaviLens Accessible and Inclusive Packaging



9 in 10 blind or partially sighted people said they have difficulty reading information on packaging*







2020

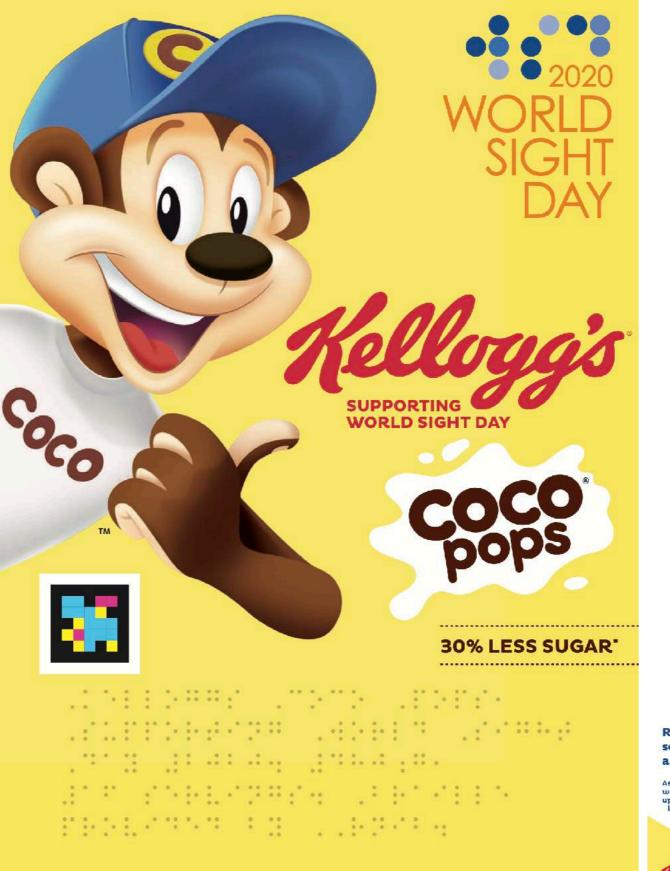
WORLD SIGHT DAY 08 / OCT / 2020



RNIB

See differently







RNIB

See differently

RNIB is committed to making society fully accessible for blind and partially sighted people.

As part of this commitment, we are proud to have teamed up with Kellogg's to back its campaign to promote accessible packaging on 2020 World Sight Day.



KELLOGG'S LAUNCH THE FIRST PACKAGE WITH THE NAVILENS CODE

Download NaviLens GO App to scan the next slides





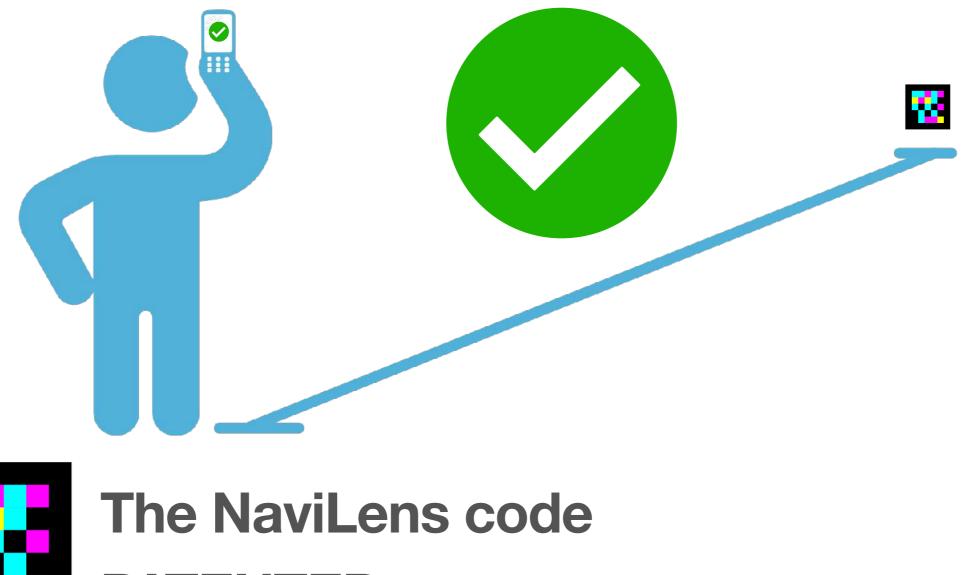


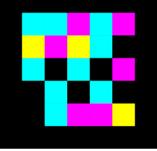


The code serves <u>all</u> the information content of the package scanning the code with NaviLens Apps



A 3cm code is scannable at <u>3 meters far away*</u> And without needing to focus on it!





PATENTED



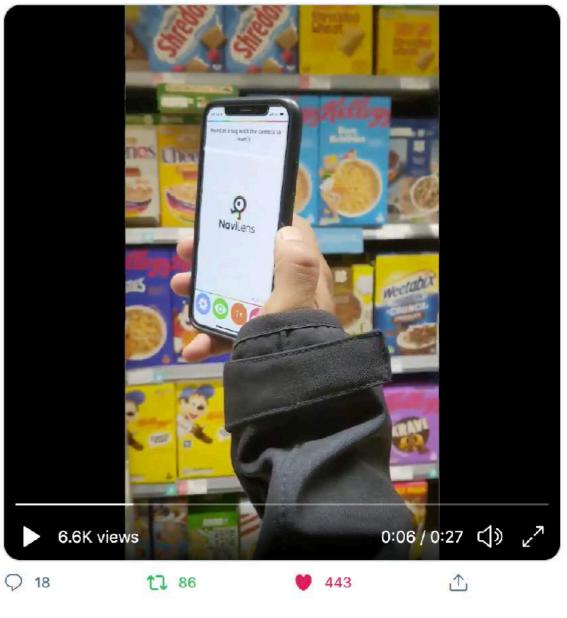


Dr Amit Patel @BlindDad_Uk · Oct 13, 2020

Popped out to my local @coopuk to grab milk & see if I could find the new @KelloggsUKI Coco Pops box with a @navilens smart code, which makes the packaging instantly accessible to VI's.

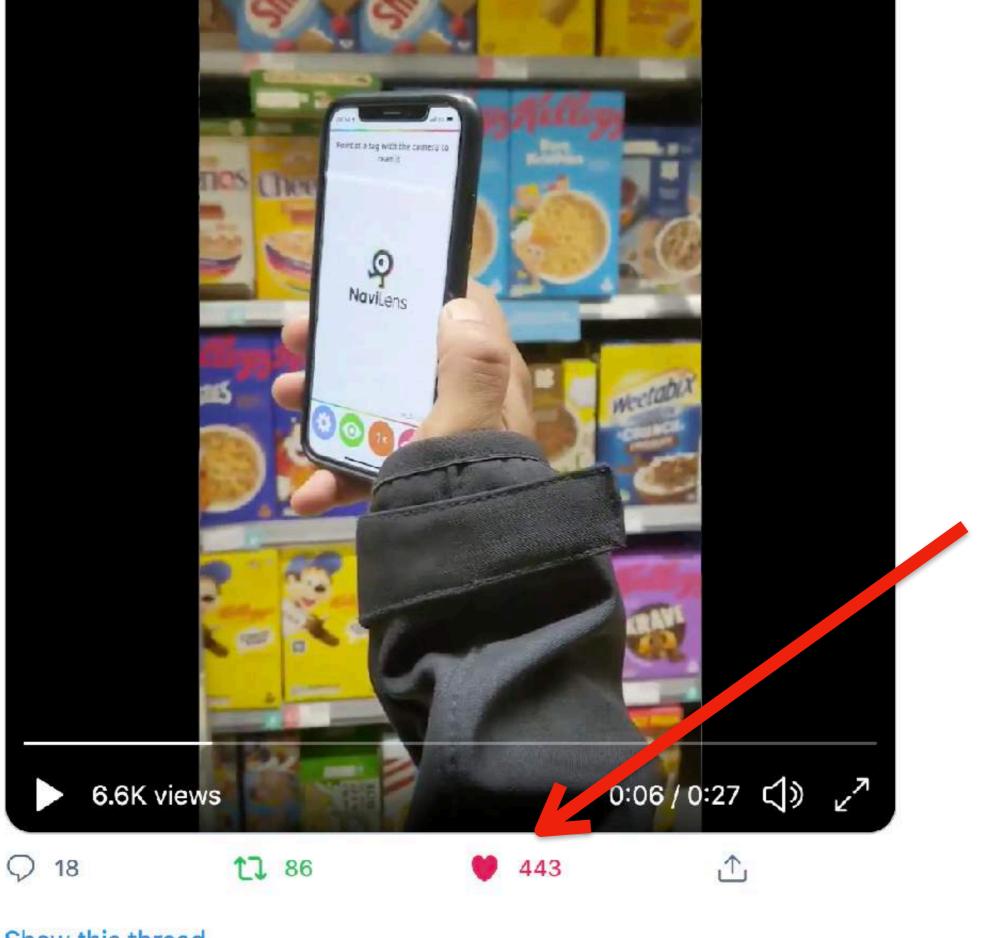
I have to say, I was super impressed, what do you think?

Well done @StVincentsL12 & @RNIB 👏



Show this thread

The code can be read up 3 meters to locate where the package is https://twitter.com/BlindDad_Uk/status/1315934378695053320?s=20



Show this thread

Massive Media Coverage



BBC NEWS



https://www.bbc.com/news/ business-57679943

The codes helping visually-impaired people shop

A new, colourful kind of barcode technology, developed by a Spanish firm, is being adopted for the first time in food packaging in the UK.

It aims to help blind and partially-sighted people identify products in shops, and access health and safety information about food.

"I generally don't go shopping anymore because I can't do it without any kind of help," explains Beth Fowler, who is 19 years-old. "Because I can't see, practically... most things."

She is a pupil at St Vincent's School in Liverpool, a specialist school for people with sensory impairment.

"Shopping in supermarkets is a complete and utter pain," adds Marcia Shaw, 20, a recent graduate from the school, who is sight-impaired too.

The store layouts keep changing, and you have to get help from assistants to find what you need, she explains.

But new technology is being rolled out that may help provide a solution to some of these problems.

The school has been taking part in a trial with cereal manufacturer Kellogg's. The company has been testing out colourful barcodes on its packaging that mobile phone cameras can easily pick up using an app. Normal barcodes, or QR codes, can be challenging for blind and partiallysighted people, because it takes a lot of dexterity to focus and frame them correctly, at close range, on a phone's camera.

These colourful ones can be detected at a distance of up to three metres, and in low-light conditions.



KELLOGG'S ROLLS OUT ACCESSIBLE BOXES FOR BLIND & PARTIALLY SIGHTED PEOPLE

THE CODES HELPING VISUALLY IMPAIRED PEOPLE SHOP

LIVE

BREAKING NEWS: 229 million media impressions!!!



Kellogg's WON the Best In Class PAC AWARD 2021



All Kellogg's cereal boxes sold in Europe to be adapted, beginning January 2022

AUGMENTED REALITY

www.navilens.com









WORLD SIGHT DAY







14/10/2021

WHY I LOVE MY EYES - NOT ONLY THIS WORLD SIGHT DAY, BUT ALL YEAR ROUND.

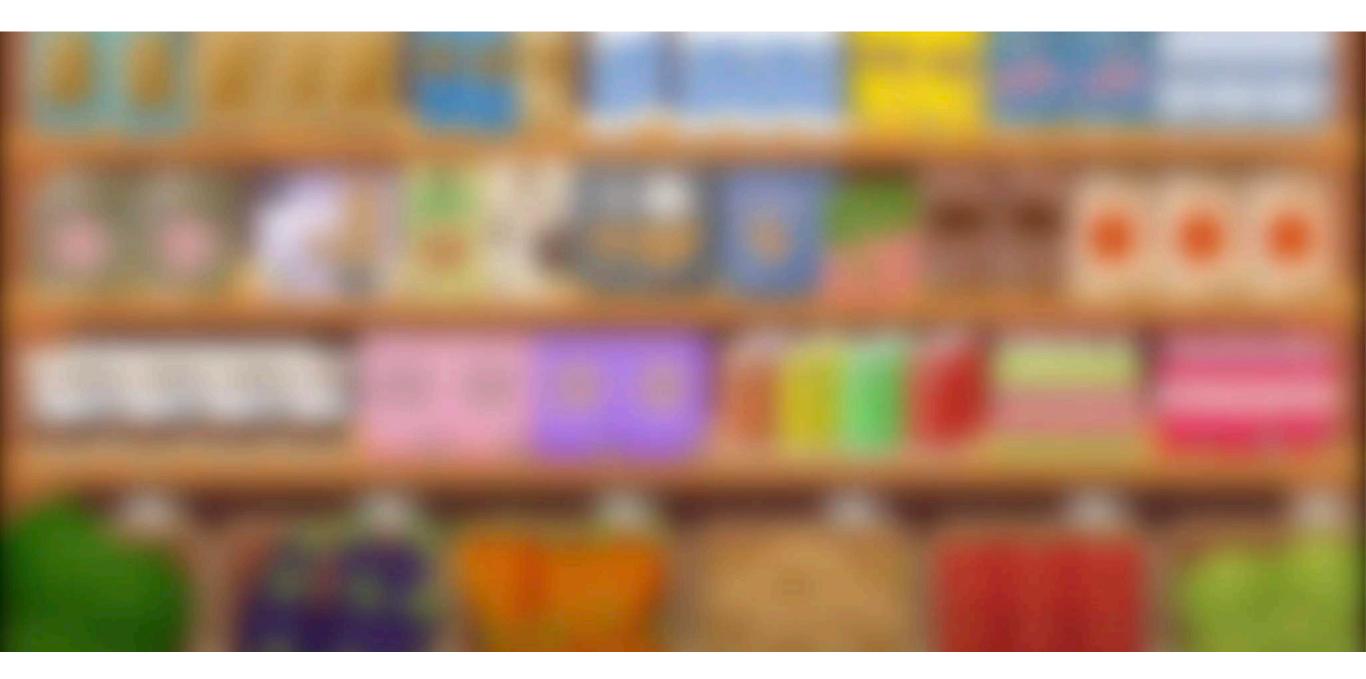
Perspective from P&G's Company Accessibility Officer, Sam Latif



TOGETHER WE CAN ACHIEVE A MORE INCLUSIVE WORLD

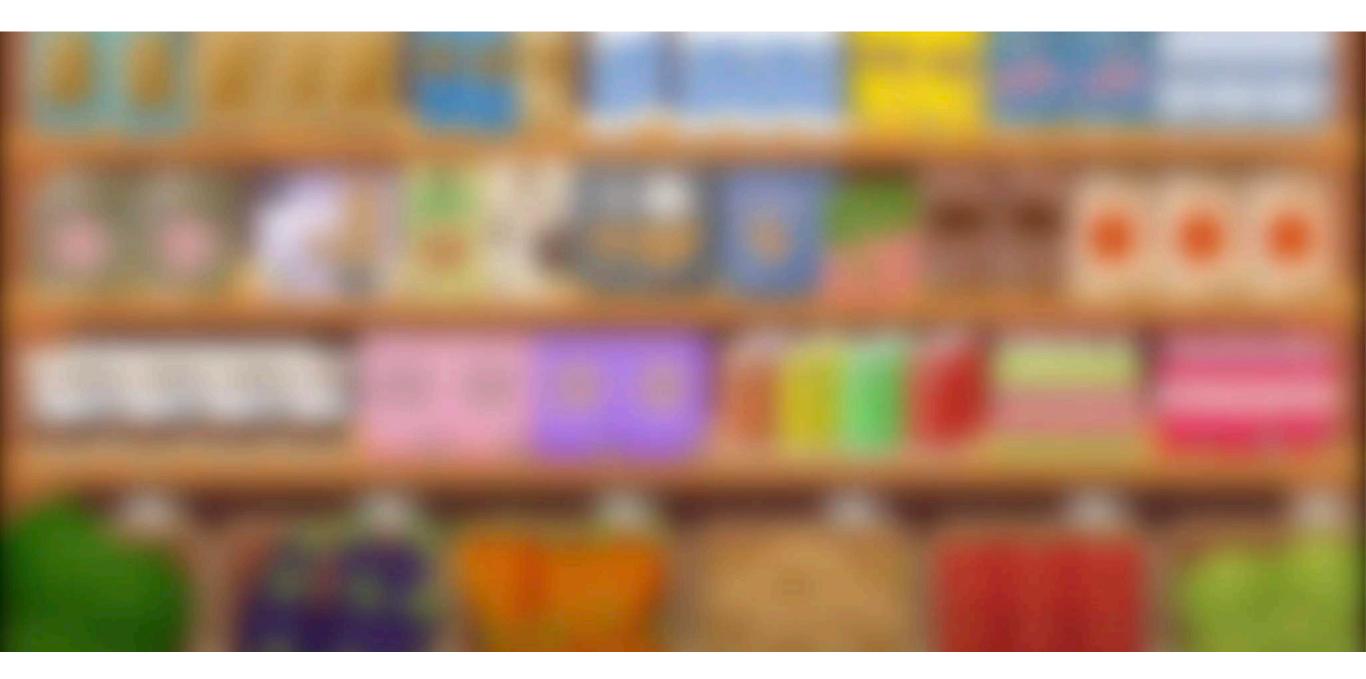


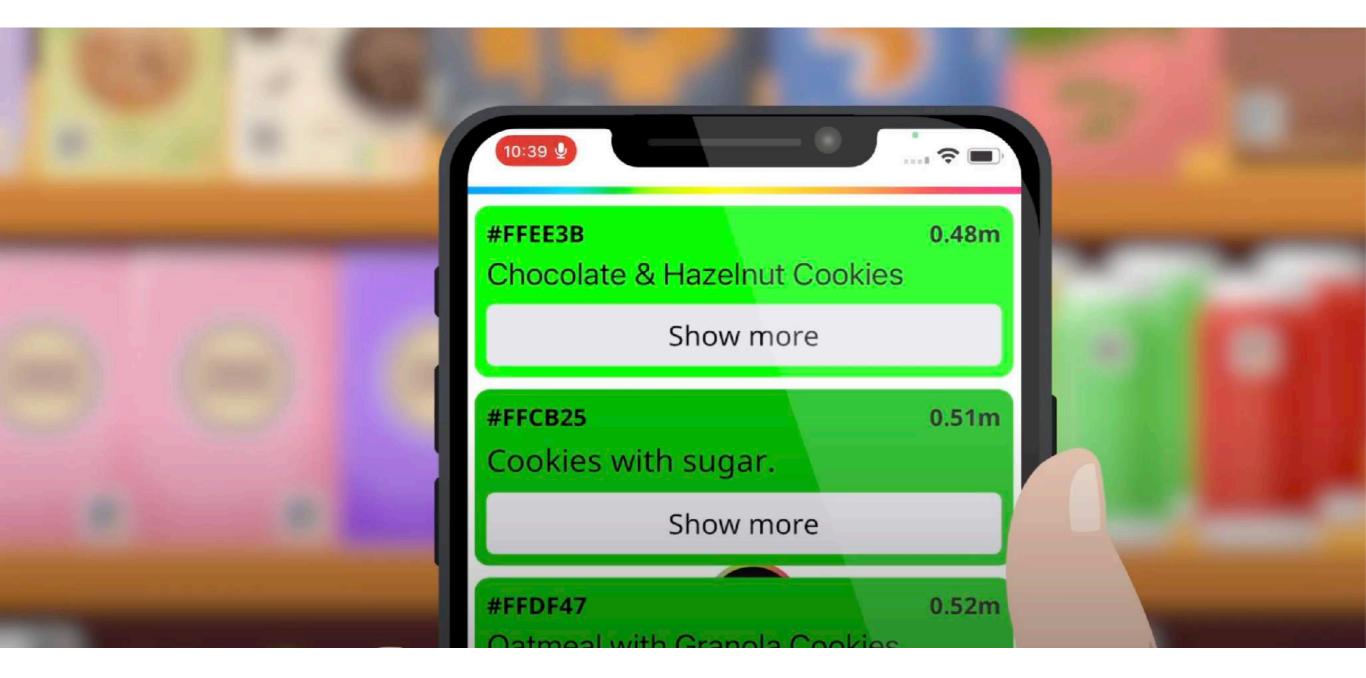










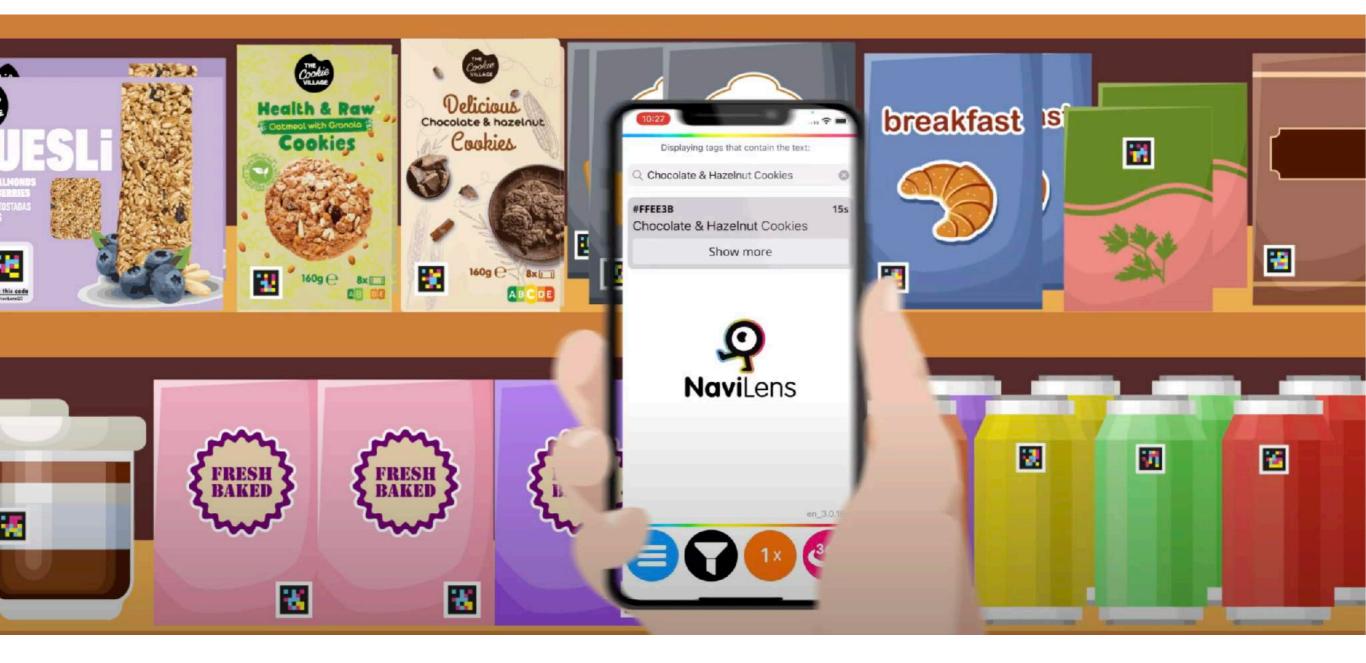


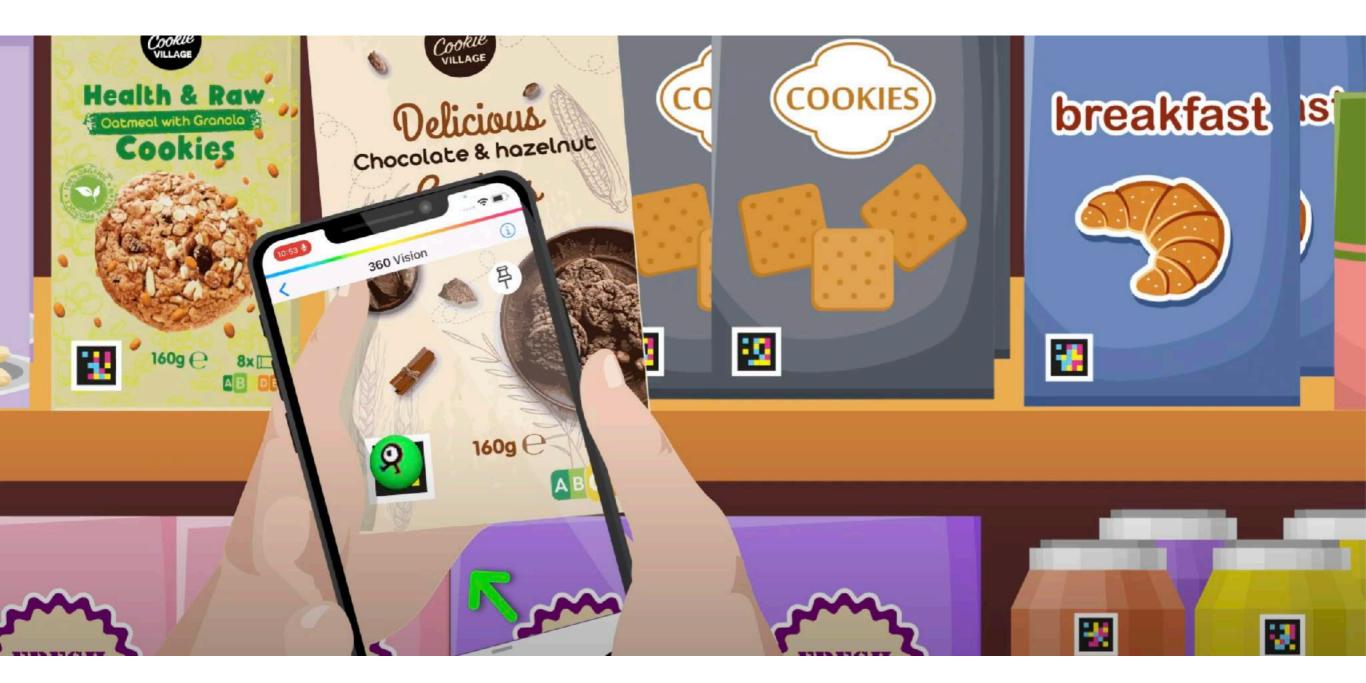
Delicious Chocolate & Hazelnut Cookies

2

10:39 🚽

We love cookies! Nothing beats the multi-sensory marvel of a freshlybaked cookie. The aroma of warm chocolate, the sight of the soft, gooey centre as you tear it apart and the rich, delicious flavour of hazelnuts and chocolate dancing across your tongue. Cookies are









Thank You! The NaviLens Team

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Scan o Enjoy

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info@navilens.com

Thank you! The NaviLens Team

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