Android Extreme Wearables!

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ABOUT ME

In no particular order:

Technology Program Manager @ Google,
Startups, VC Advisor, Trouble Maker, and...

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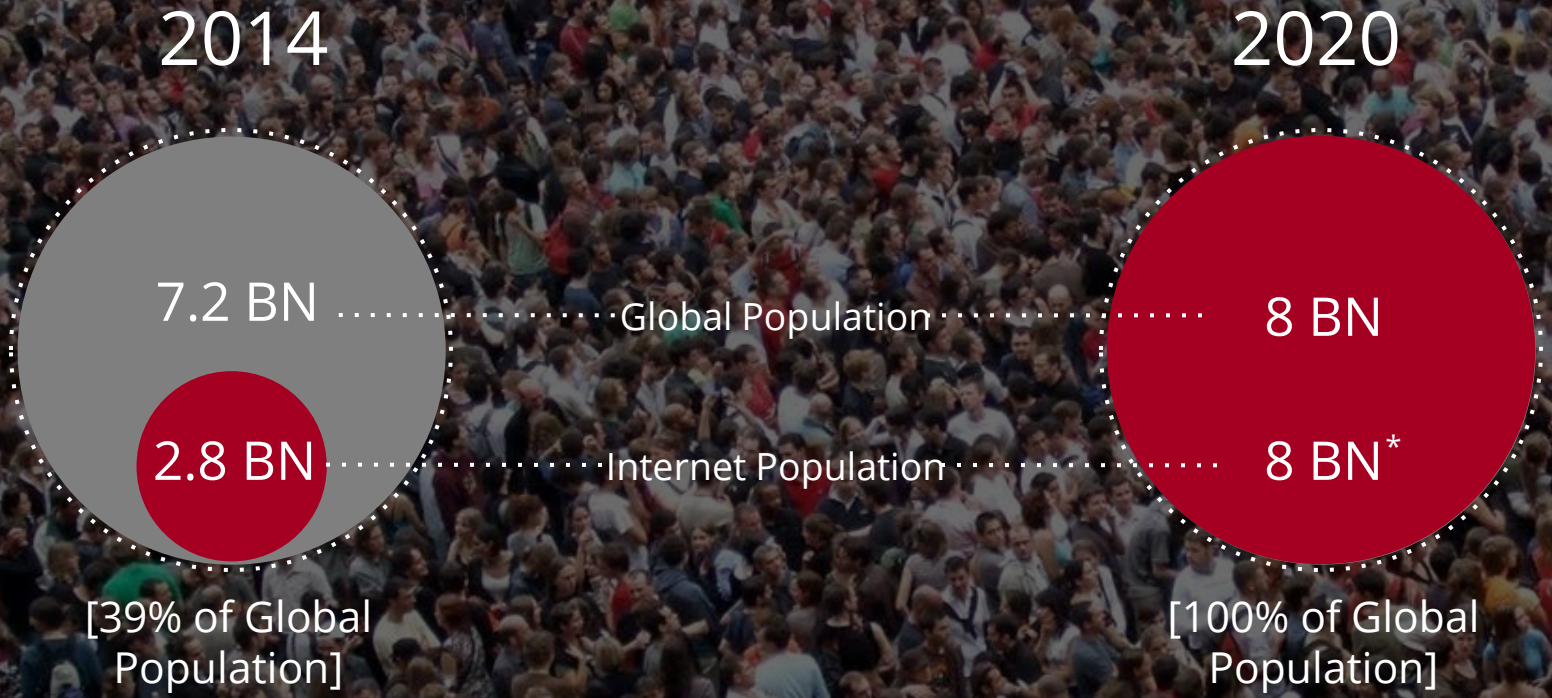
BUT TODAY…

Extreme Wearables!

Android, People and the things they wear.

The pace of wearable adoption is
ACCELERATING

THE NEXT 5BN



Source: (1) eMarketer, Nov 2013

WEARABLE GROWTH
Even Faster Again!

TECHNOLOGY is changing

[Now] ..... Just 1 Year ..... [End of 2015]

100M

1 BN

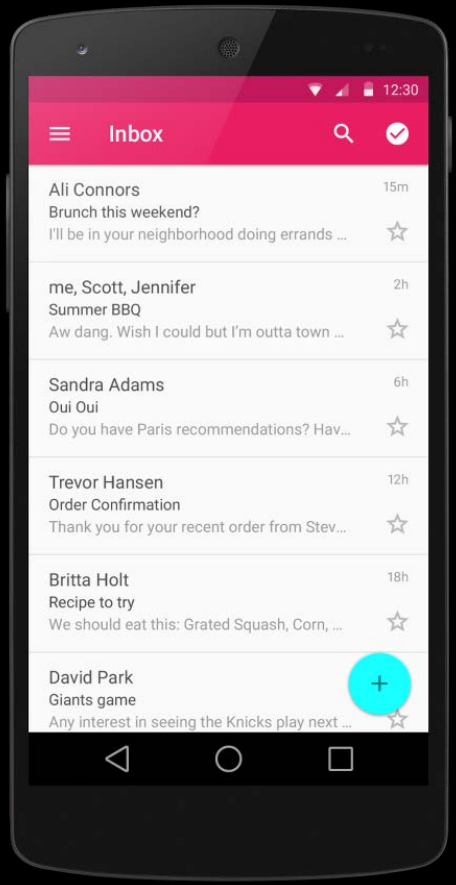
ANDROID “M” & WEARABLES

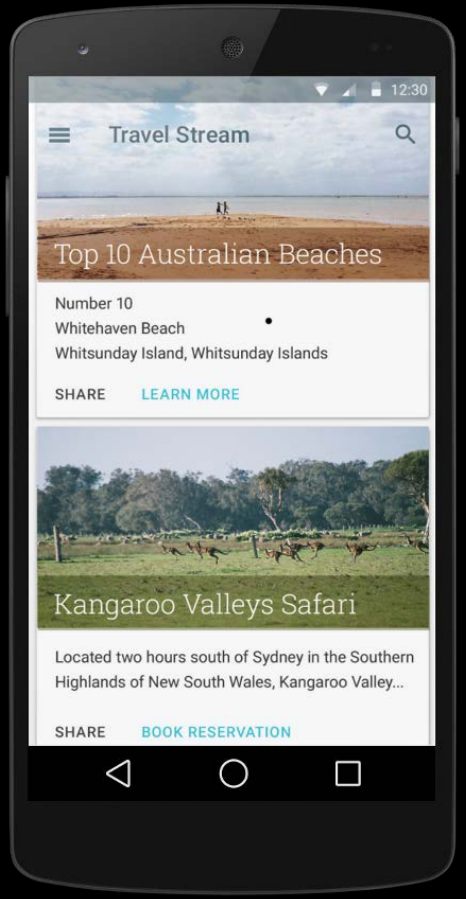
- Stuff to do now
- Plan for the future

Source: Credit Suisse / Google Images

How can we make for a better experience?

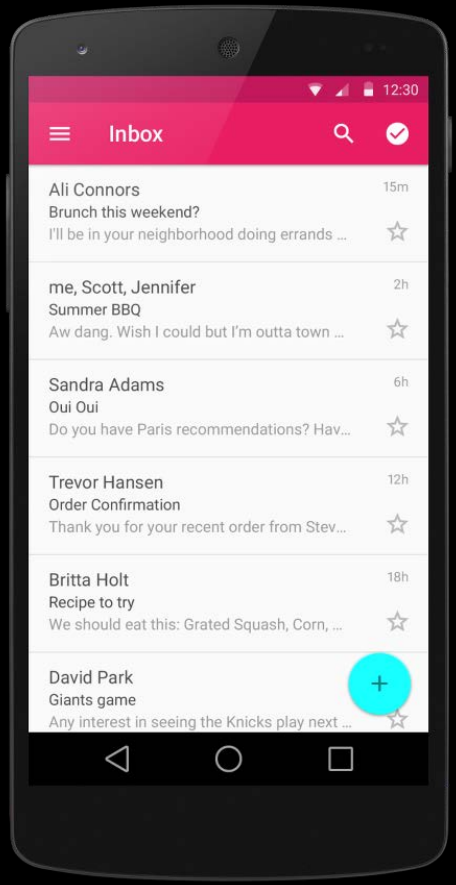
Material Design

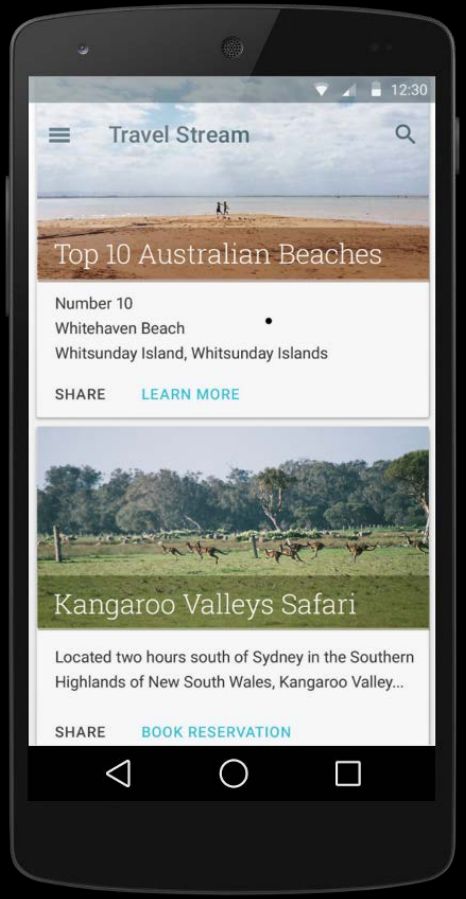




Material Design

- **RecyclerView**
- **CardView**





Material Design: View Shadows

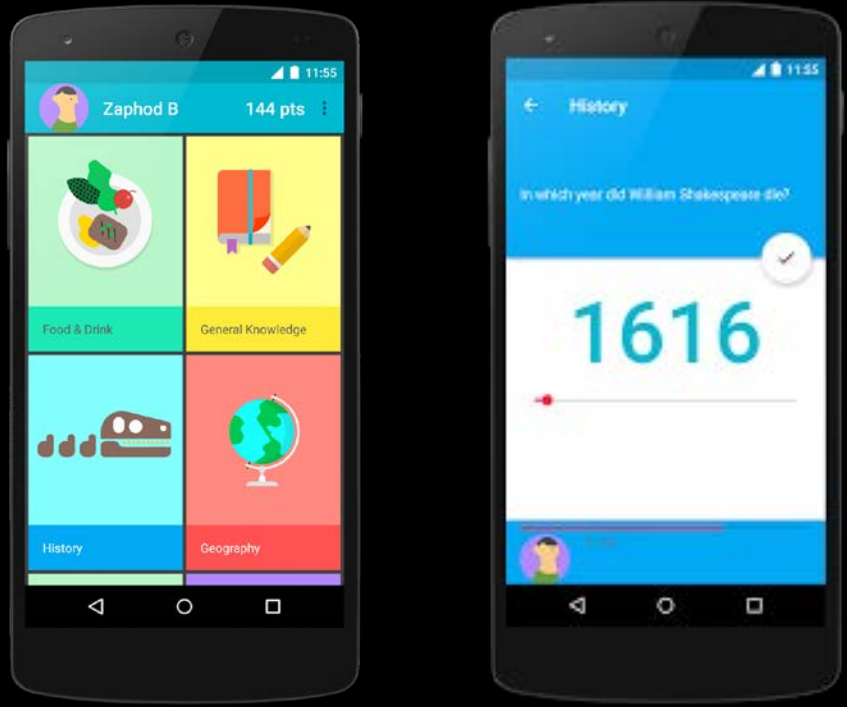
Using a z-axis property to visually raise or the appearance of UI elements

Material Design: Custom animation

Such as circular reveal and curved motion

Usable for activity transition, state change, etc.

Material Design
... & Android M !



Material Design ... & Android M:

New transitions

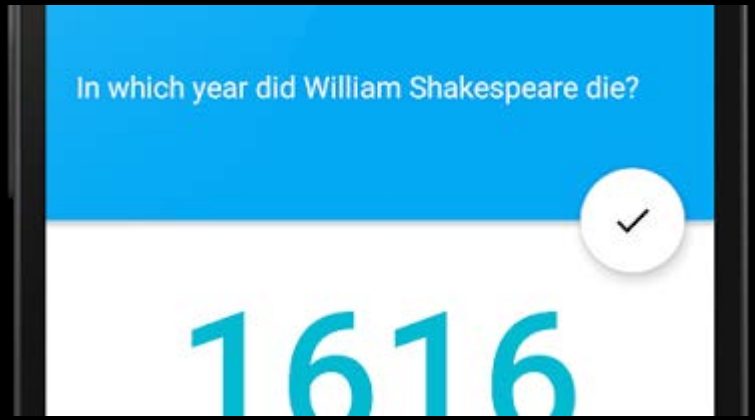
Material Design ... & Android M:

New animation

Material Design ... & Android M:

Introducing FAB!

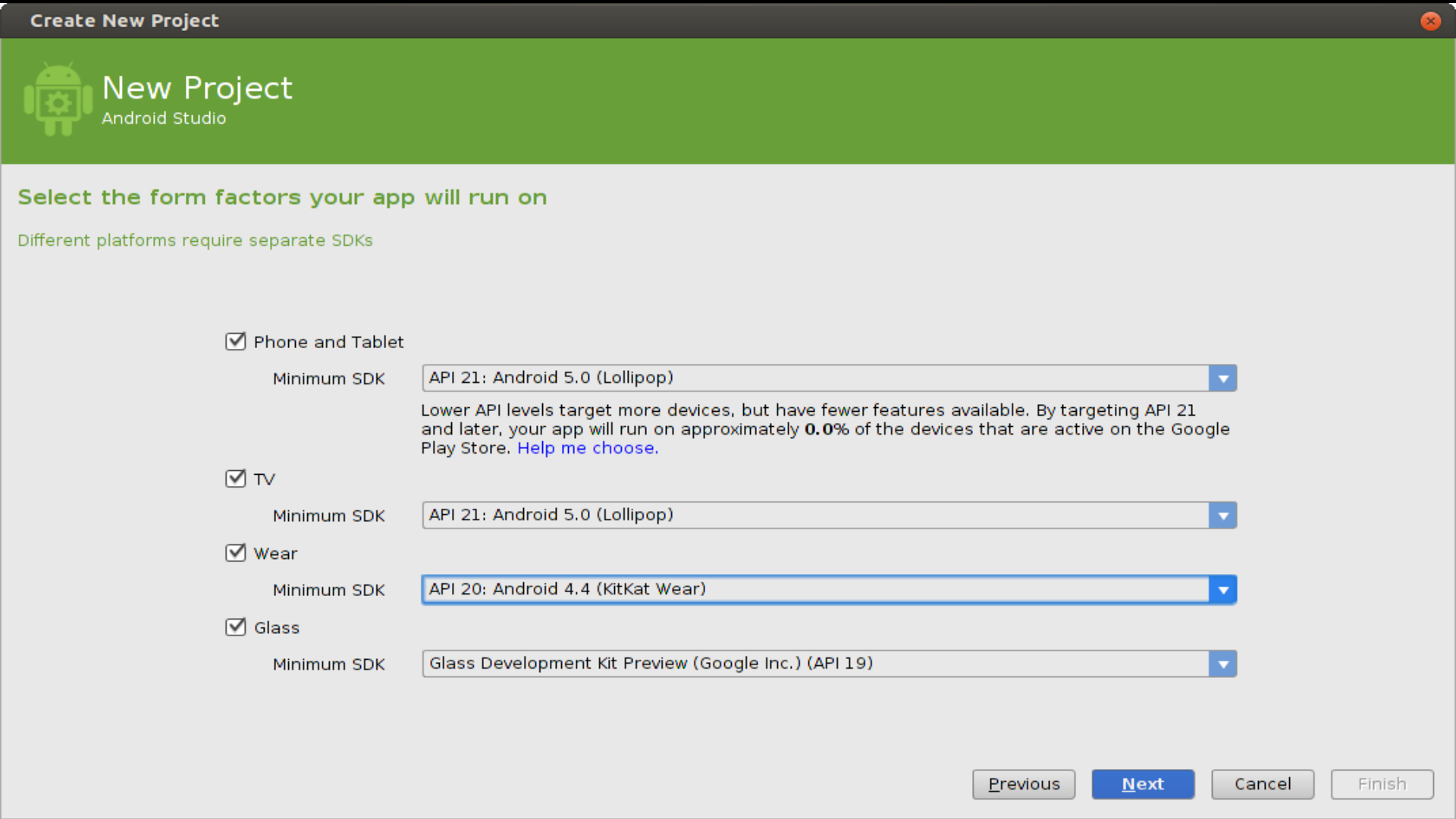
Floating
Action
Buttons



Android M and Wearables

Doze – motion detection for exponential backoff in in background services =>> Battery!

ViewOutlineProvider class – create custom shapes for your View objects =>> circles, etc.


Create New Project
New Project
Android Studio
Select the form factors your app will run on
Different platforms require separate SDKs
Phone and Tablet
Minimum SDK
API 21: Android 5.0 (Lollipop)
Lower API levels target more devices, but have fewer features available. By targeting API 21 and later, your app will run on approximately 0.0% of the devices that are active on the Google Play Store. Help me choose.
TV
Minimum SDK
API 21: Android 5.0 (Lollipop)
Wear
Minimum SDK
API 20: Android 4.4 (KitKat Wear)
Glass
Minimum SDK
Glass Development Kit Preview (Google Inc.) (API 19)
Previous
Next
Cancel
Finish

LEARN MORE

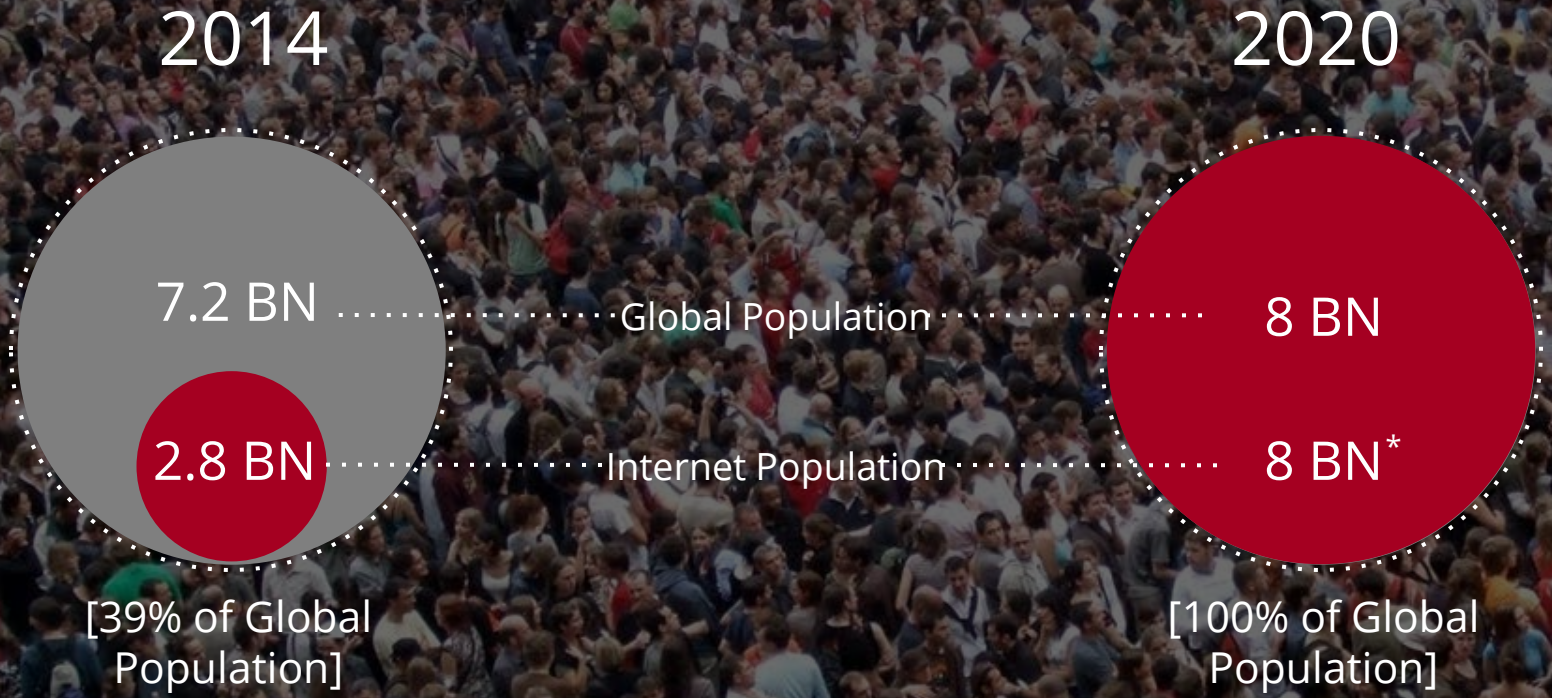
developers.google.com/wear

developers.google.com/glass

2 EXTREME WEARABLES

- Extremely Accessible
- Extremely Big Data

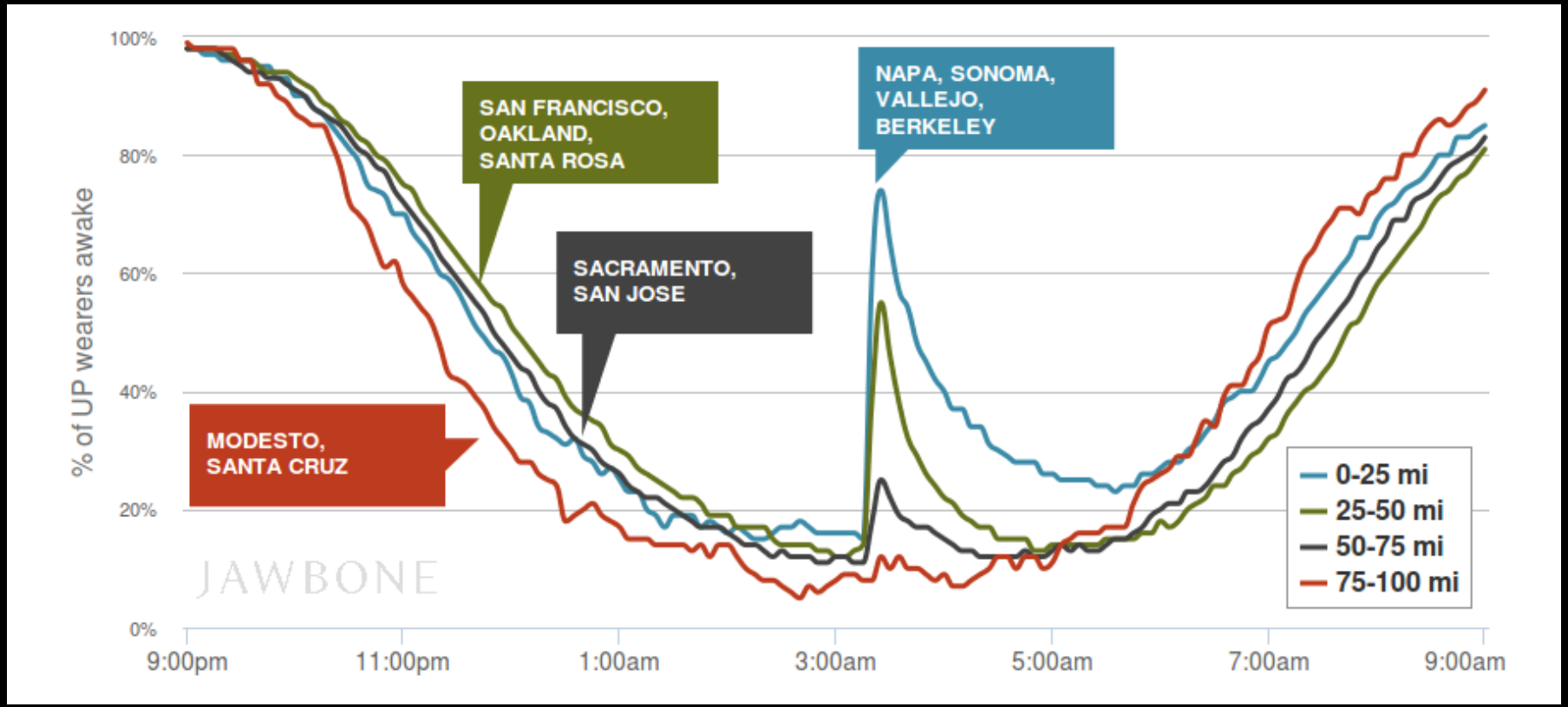
WHAT COULD YOU DO?



Source: (1) eMarketer, Nov 2013

Source: Getty/AFP

PREDICT!



Source: Jawbone

PREDICT!

Source: Accuweather

PREDICT!

Source: blog.zingarate.com

PREDICT!

Source: Accuweather

PREDICT!

PREDICT!

Source: Thalmic Labs

PREDICT!

LIBERATE!

Source: Simon Wheatcroft

LIBERATE!

Source: Simon Wheatcroft

LIBERATE!

Source: Simon Wheatcroft

LIBERATE!

Source: Simon Wheatcroft

LIBERATE!

Source: Simon Wheatcroft

LIBERATE!

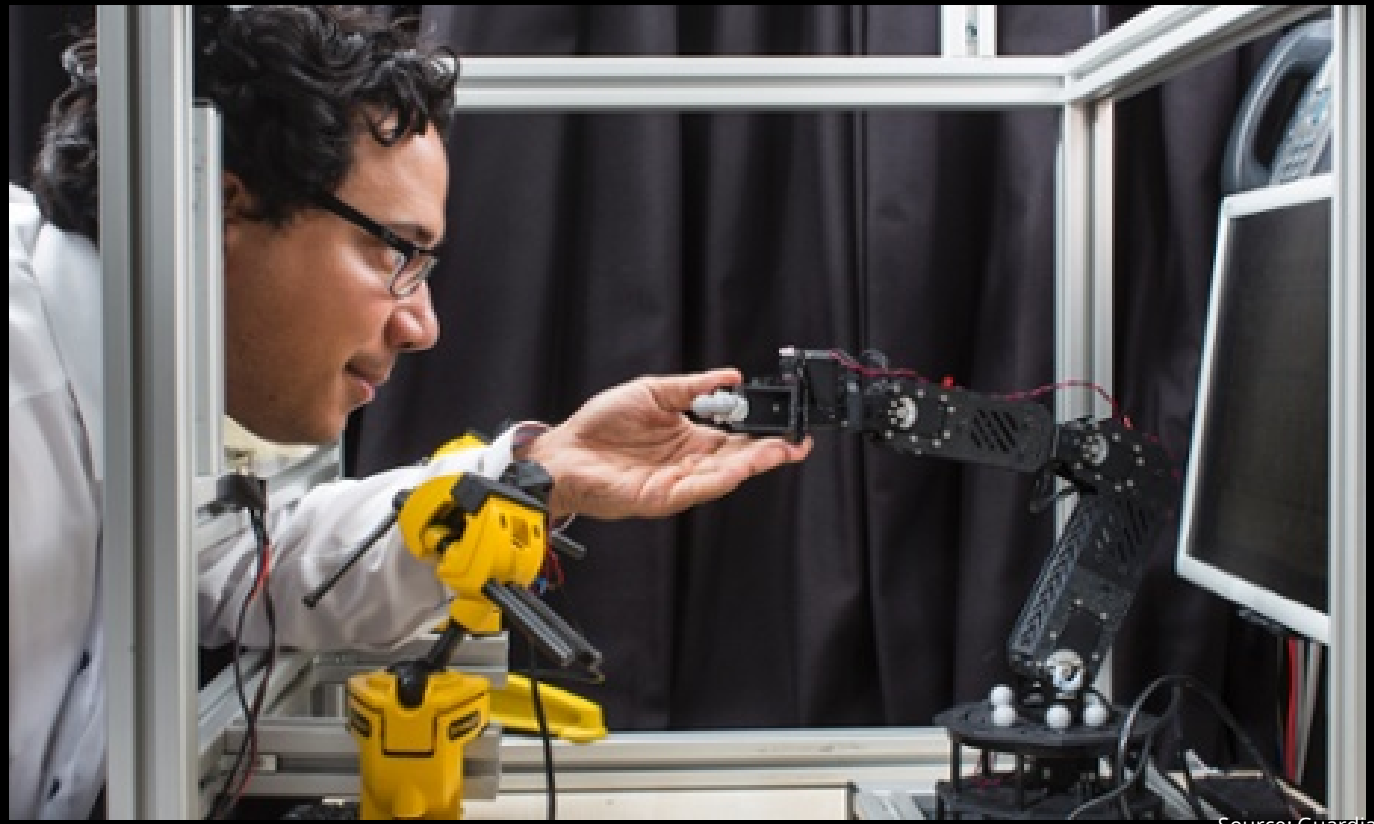
Source: Lechal

LIBERATE!

$100

(€94)

LIBERATE!



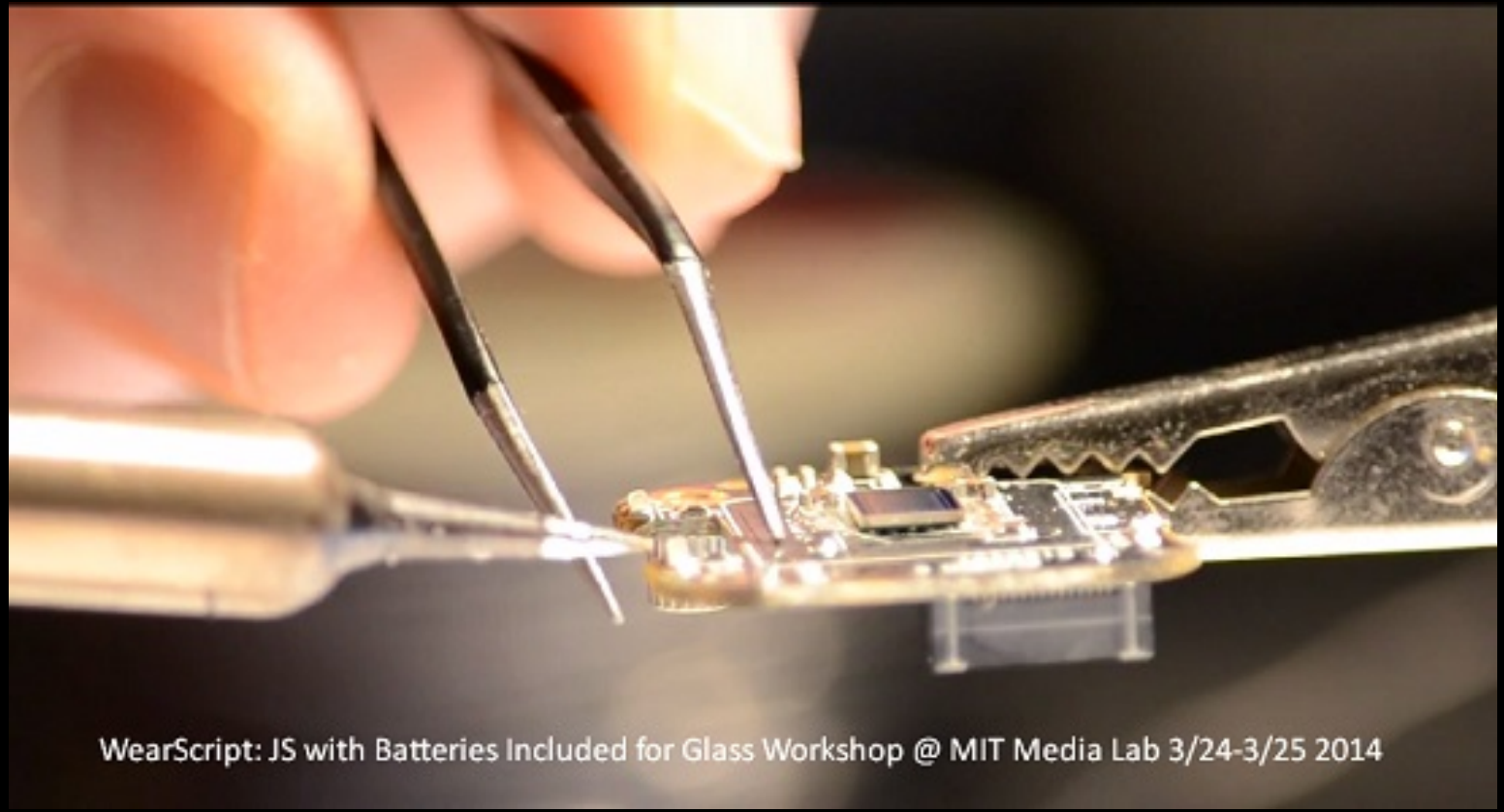
Source: Guardian Media / David Levene

LIBERATE!

£43

(€60)

LIBERATE!



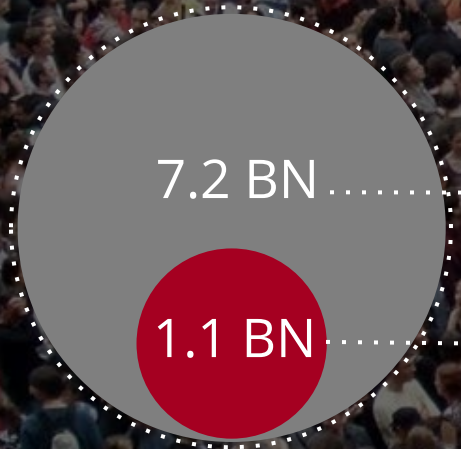
Source: MIT

LIBERATE!

$25

(€23)

ONE LAST STATISTIC...



1 in 7

Source: WHO

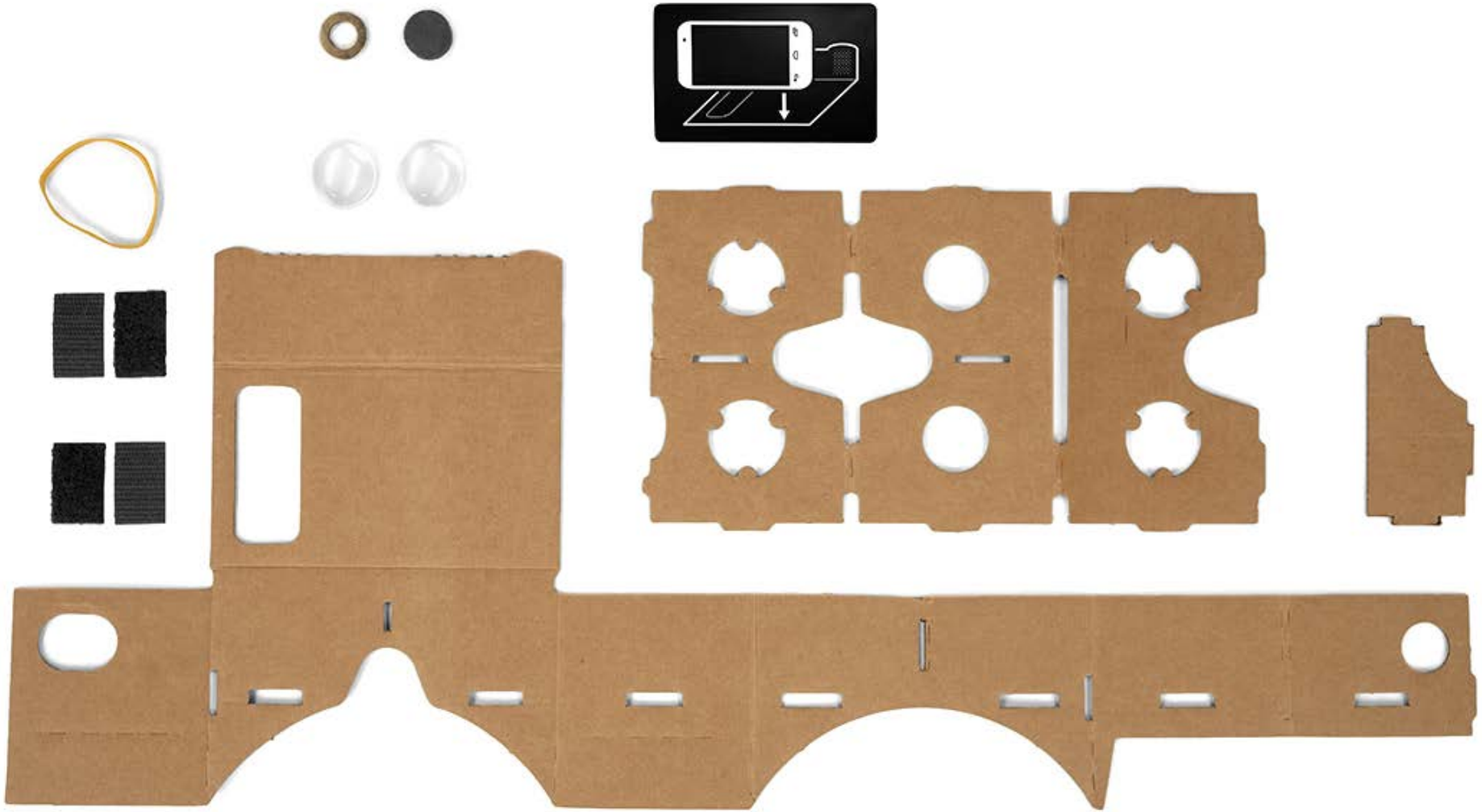
- Making the wearable revolution
- Right here, right now

DON’T JUST DEVELOP… BUILD!

€4?

DON’T JUST DEVELOP… BUILD!

developers.google.com/cardboard



EMBRACE EXTREME WEARABLES!

Thank you

Q&A any time on social media

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