



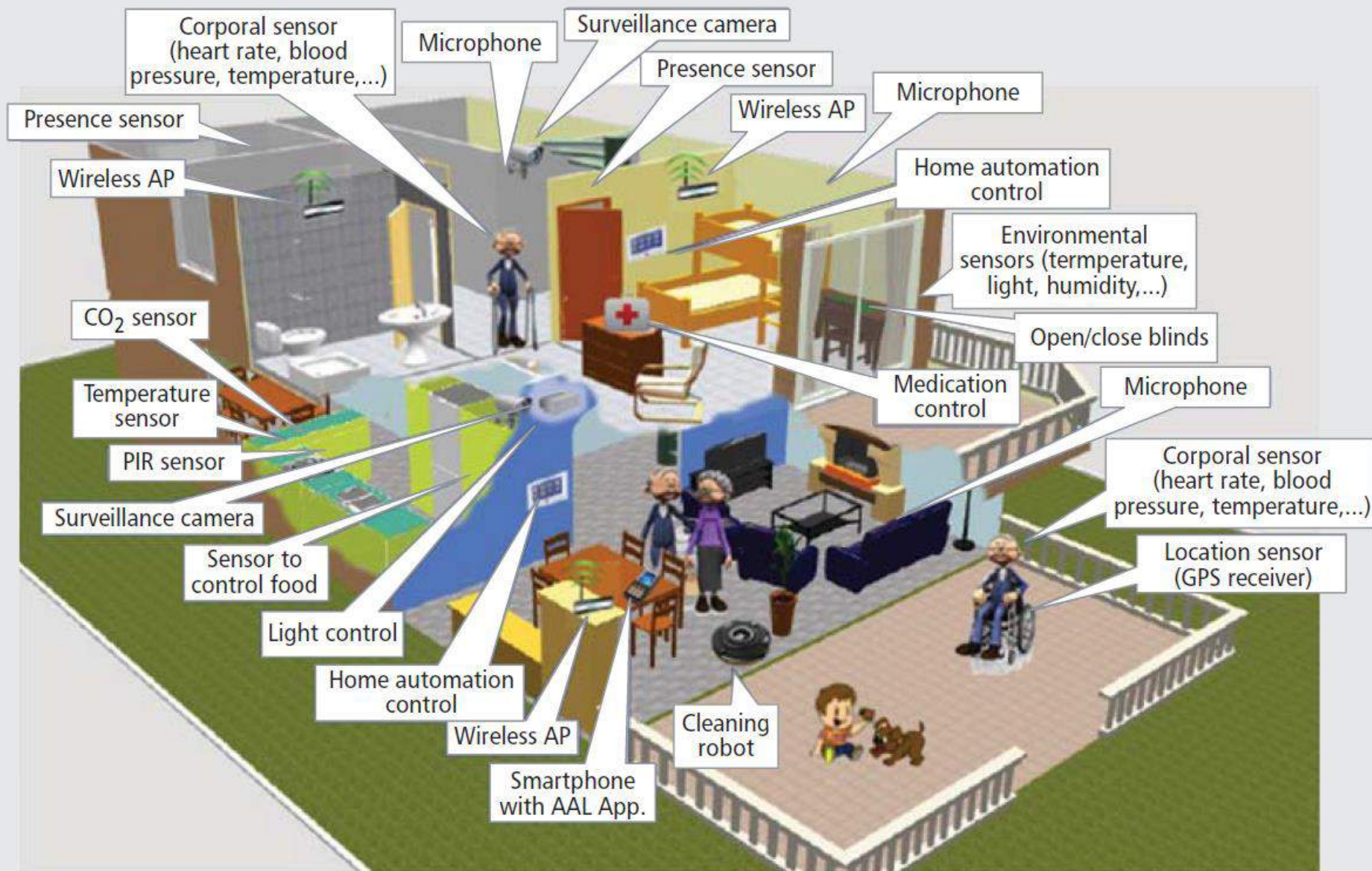
SMART CITY

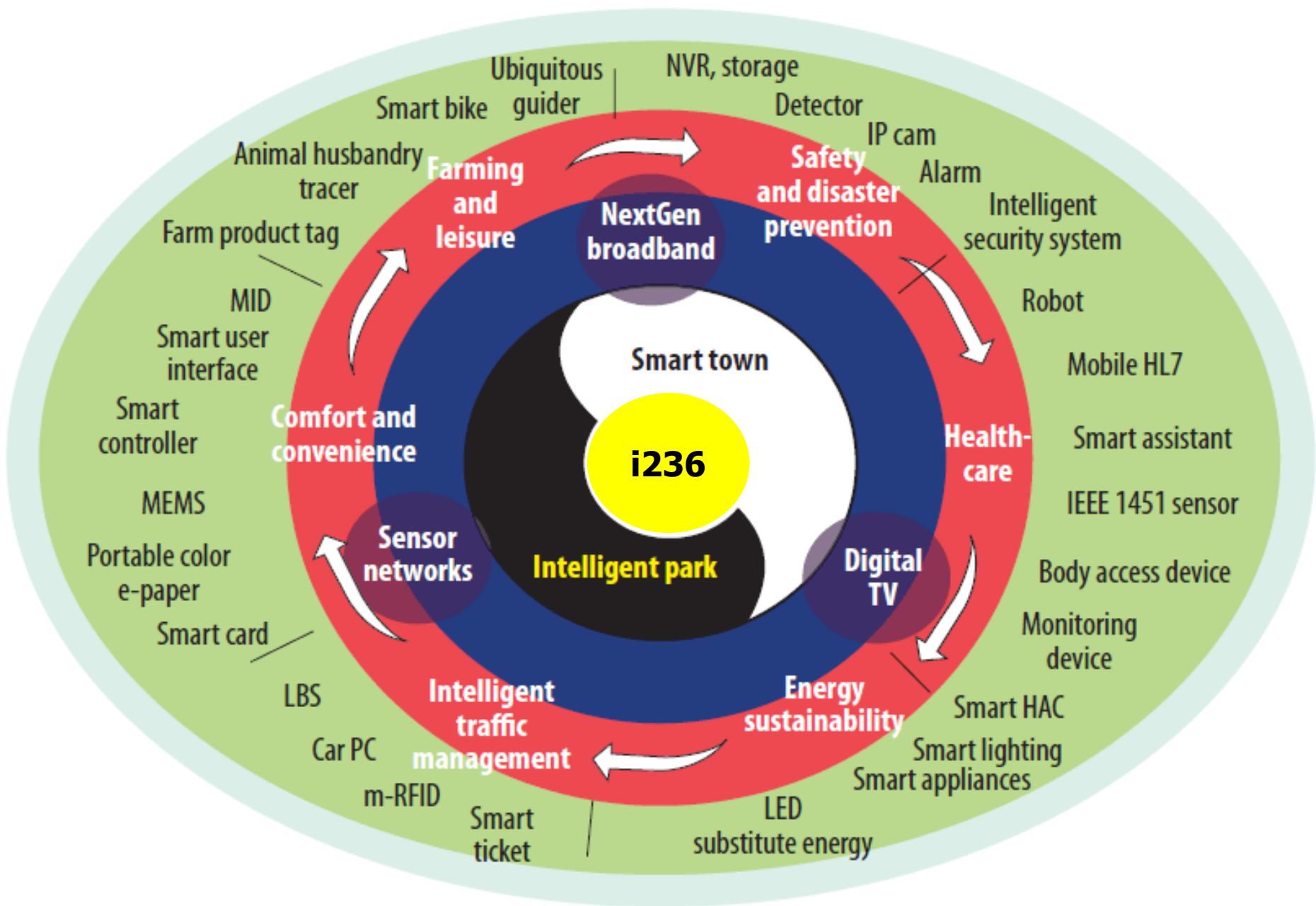


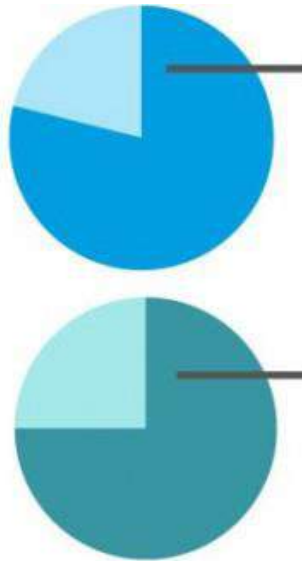
Smart Home Smart Living

Smart Home Concept









79%
will consider living in an executive condominium (EC) enabled with smart technologies

63%
are willing to pay S\$30,000 to S\$40,000 to furnish their home

What do young couples in Singapore think of Smart Homes? 2016

<http://tinyurl.com/znwow8q>

TOP 3 FEATURES OF A SMART HOME



smart lighting



smart air-conditioning



smart digital lock

TOP 3 REASONS FOR A SMART HOME



convenience



energy efficiency

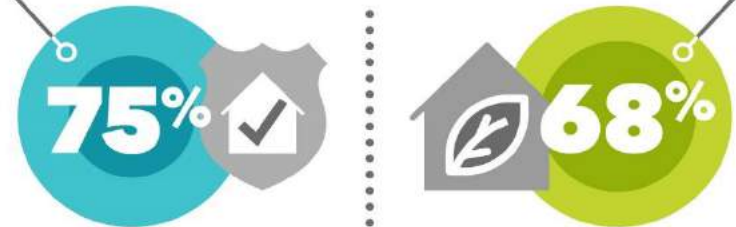


safety

SMART HOME INSIGHTS FROM HOMEOWNERS

SAFETY AND COMFORT | ENERGY EFFICIENCY

THE STRONGEST DRIVERS TO PURCHASE



MILLENNIALS

Making my home convenient for daily tasks



GEN XERS

Making my home a healthy environment



BOOMERS

Adding value to my home



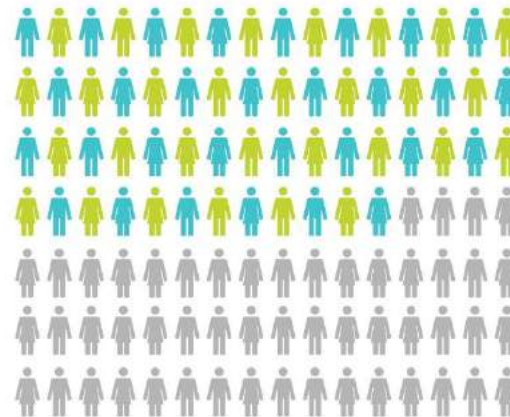
WHERE'S **THE FIRST PLACE** YOU'D ADD TECHNOLOGY-DRIVEN FEATURES IN YOUR HOME?



WHAT'S **THE MOST IMPORTANT PART** OF SHOPPING FOR SMART HOME FEATURES?

56% OF HOMEOWNERS SAY

FINDING A **TRUSTWORTHY** CONSULTANT!



UNDER ONE ROOF

UNDER ONE ROOF is an Internet-based community hosted by Scripps Networks Interactive that includes approximately 20,000 U.S. residents ages 18-64. The Community is comprised of a national sample of U.S. consumers who are "Lifestyle Enthusiasts," and are recruited based on their interest in the home, food, and travel categories. This Community is not intended to be representative of the U.S. general population. This study surveyed 700 U.S. homeowners.

scrippsnetworks
interactive



IN PARTNERSHIP WITH

Consumer
Technology
Association

CES

ShellyPalmer

NKBA
NATIONAL KITCHEN
ASSOCIATION

NAHB
National Association
of Home Builders

CEDIA

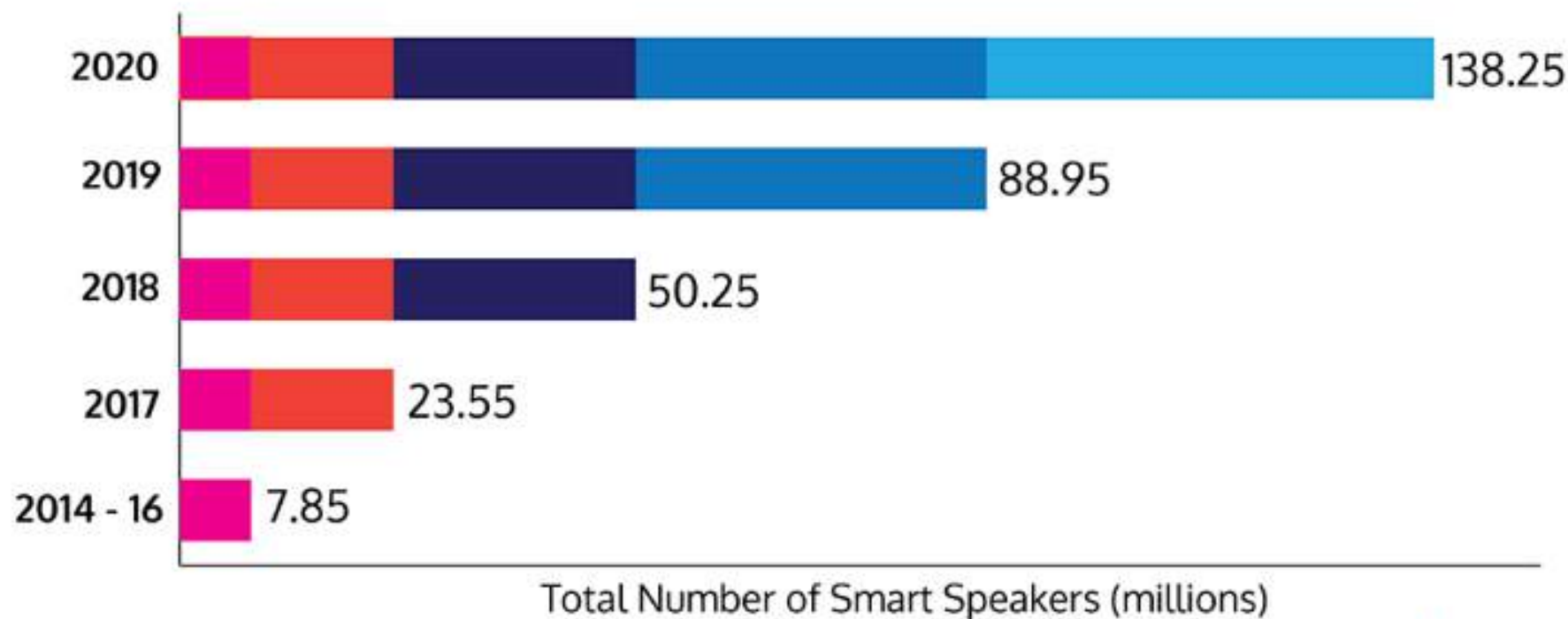
Our lives are increasingly optimized by technology, from lighting to heating, entertainment and banking. Nest, the intelligent home thermostat, has led the way in domesticating technology; Witricity, providing electricity without the clutter of wires, will be big in 2015.



BREAK



US Smart Speaker Installed Base - 2016 to 2020



Source: CIRP, VoiceLabs, Statista, Edison Research, Voicebot.ai

HomePod

Home

Echo



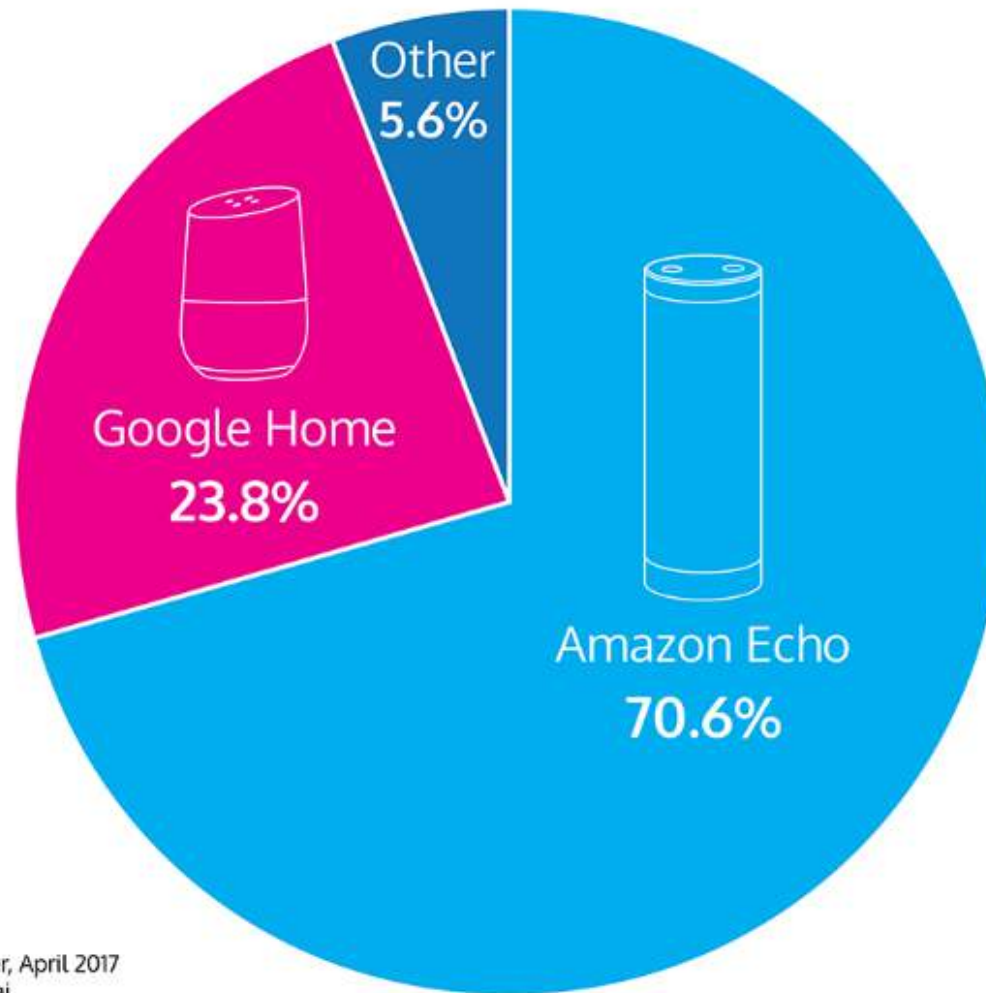
VS



VS



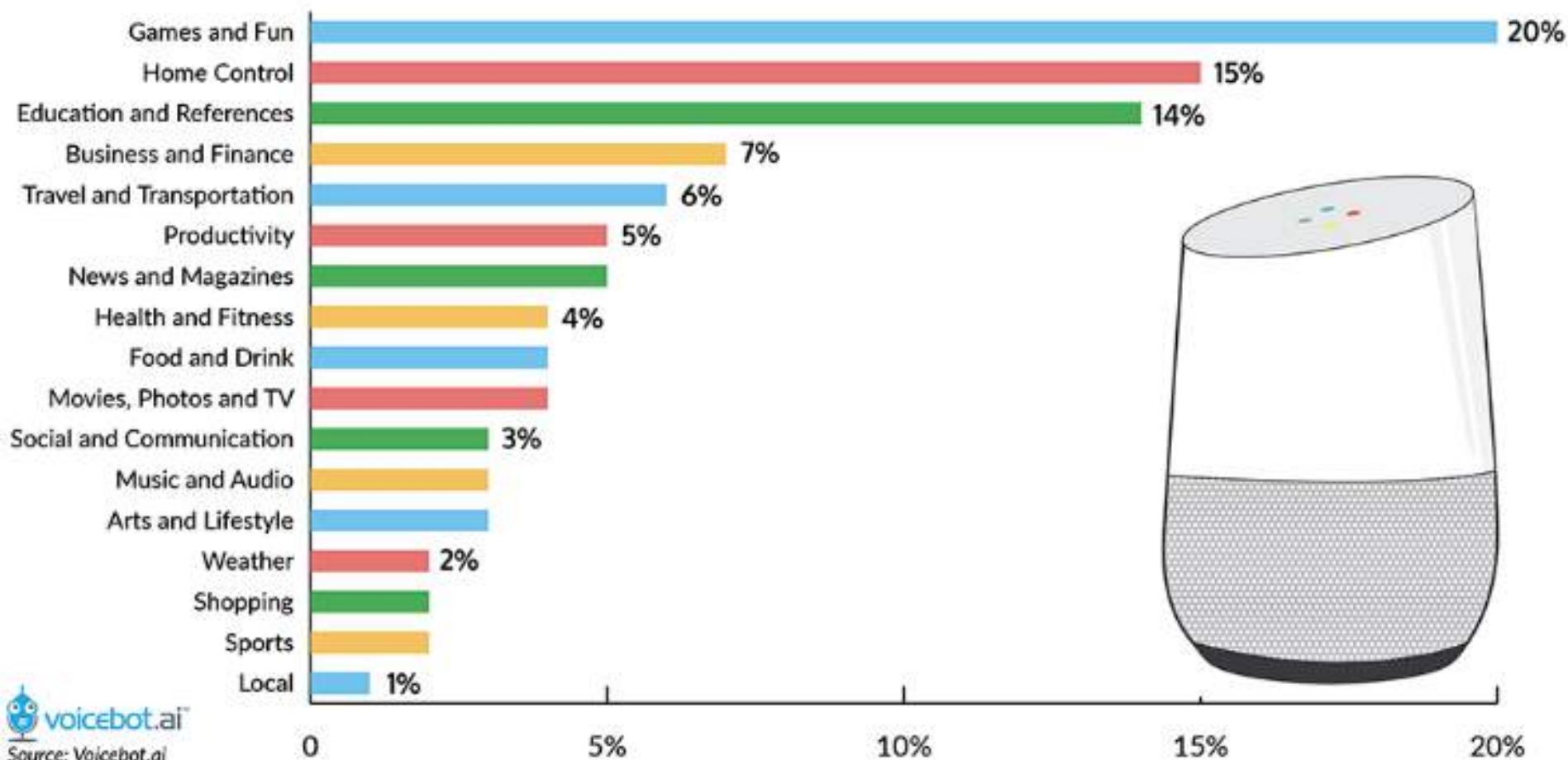
US Voice-Enabled Speaker User Share by Player, 2017

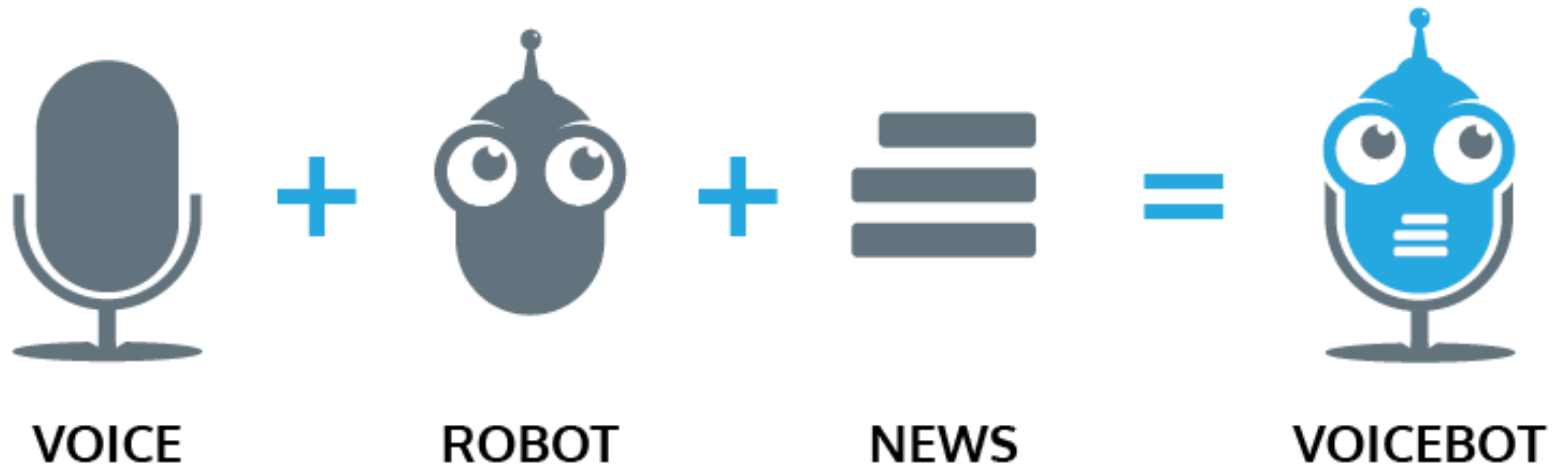


Source: eMarketer, April 2017
Image: Voicebot.ai



Google Assistant Apps by Category - August 2017

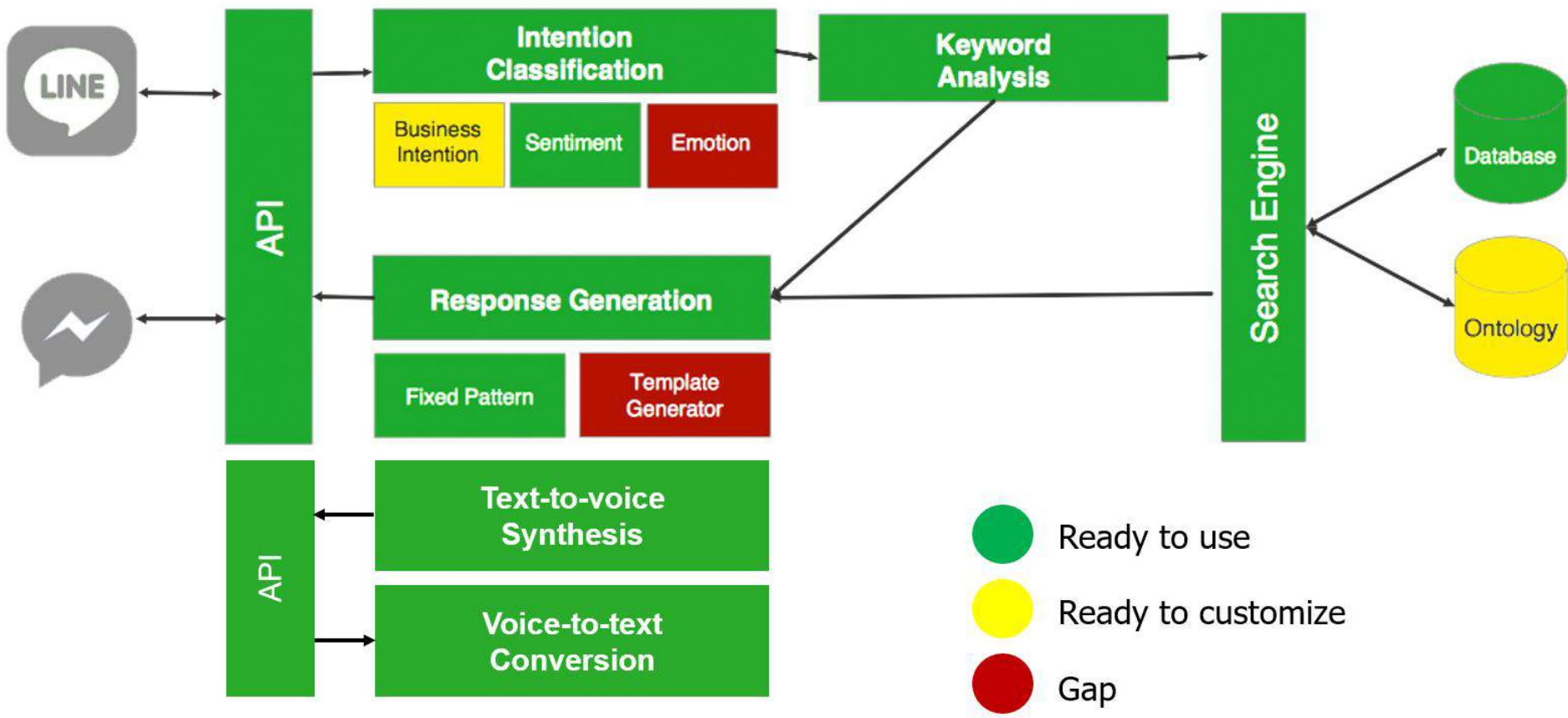




- Voice-to-text
- Text-to-voice
- Anchored voice detection

- Mic array
- Omni speaker
- IoT

- Info retrieval
- Chatbot





Partii

Speech-to-text
Client-server



11:40

Partii

Speech-to-text
Embedded





Open vocabulary (140K words)



80% accuracy in quiet environments
70% accuracy in noisy environments



Web service architecture
1.5XRT under 3G network condition



Customizable



11:40



No Internet



1,000 words
self-design



80% accuracy



1.2XRT



Free of charge