

New technologies

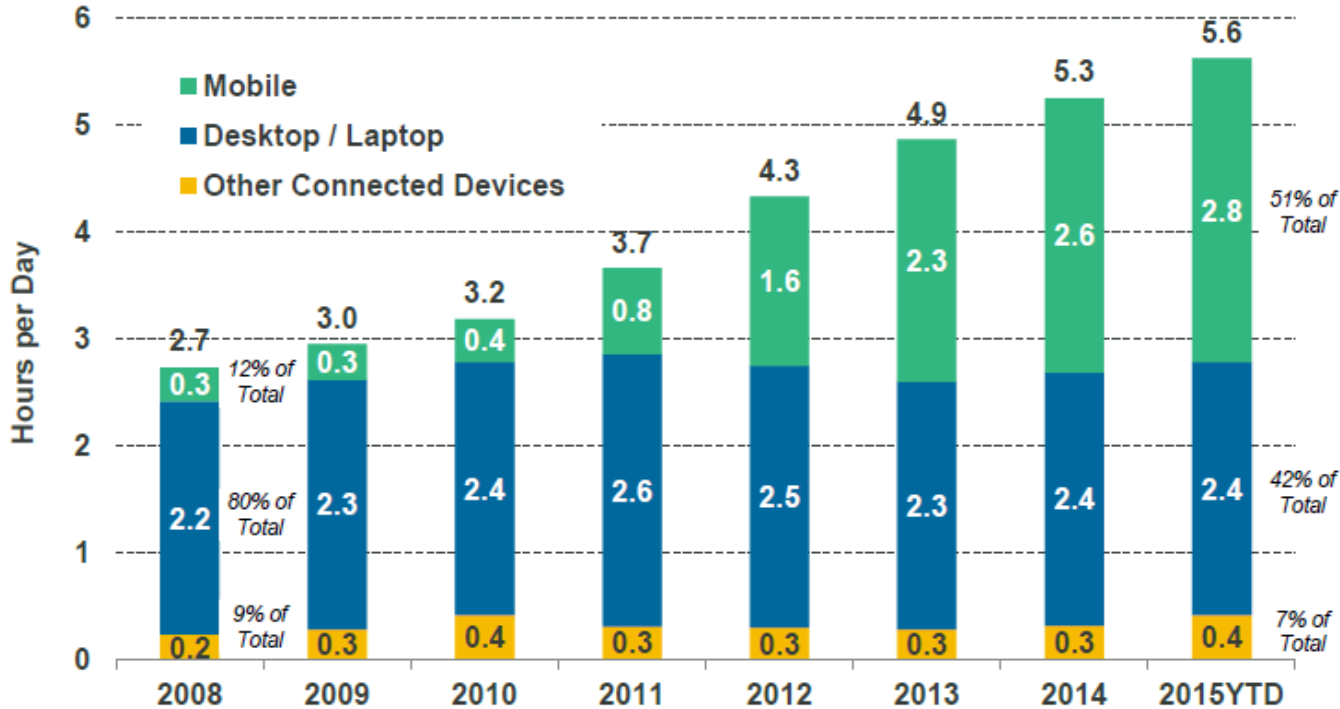
Mobility, wearables
and other new
technologies for the
connected air travel

SITA

Create success. Together

People are always connected

Time Spent per Adult User per Day with Digital Media, USA, 2008 – 2015YTD



Millennials



Spend **18** hours a day consuming media

Source: [Crowdtap](#) March 2014

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People are moving beyond smartphones

- Global retail revenue from smart wearable devices will treble by 2016, before reaching \$53.2 billion by 2019, compared to the \$4.5 billion in 2014 *



Beyond passengers staff will be using wearable devices



American Airlines



virgin atlantic



UNITED



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Maybe not so far out



Wearables have advanced security and connectivity capabilities

After nearly killing NFC

Apple embraced it:

Apple pay is powered
by NFC



En fait, que client fidèle, testez une technologie innovante.
Pour continuer à bénéficier de nos services électroniques, ajoutez l'adresse contact@airfrance-airfrance.com à votre carnet d'adresses.

AIRFRANCE 

Voix Mille-Primes ou **USABAAAA** **000_MILEPS**
Accédez à votre espace personnel
= Modifier votre nom

TOUCH&PASS  
Le NFC[®] simplifie votre voyage

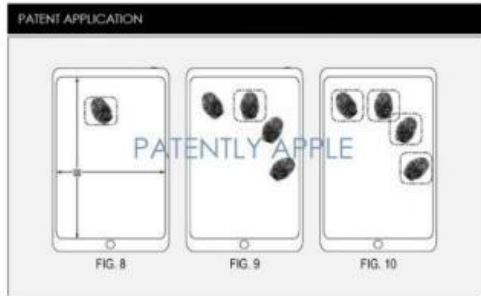
TESTEZ UNE TECHNOLOGIE INNOVANTE

AIRFRANCE  

Parce que vous êtes un client fidèle, Air France vous invite à participer en exclusivité et en avant-première à son expérimentation NFC, menée en partenariat avec Orange, SITA et RESA.

FLUIDE	FIABLE	SIMPLE
Gagnez du temps.	Fonctionne même si votre mobile NFC est éteint ou votre batterie déchargée.	Un nouveau service facile à utiliser sans contact.

Future border control enabled with wearables, NFC/Security, Biometric



Beacons are here

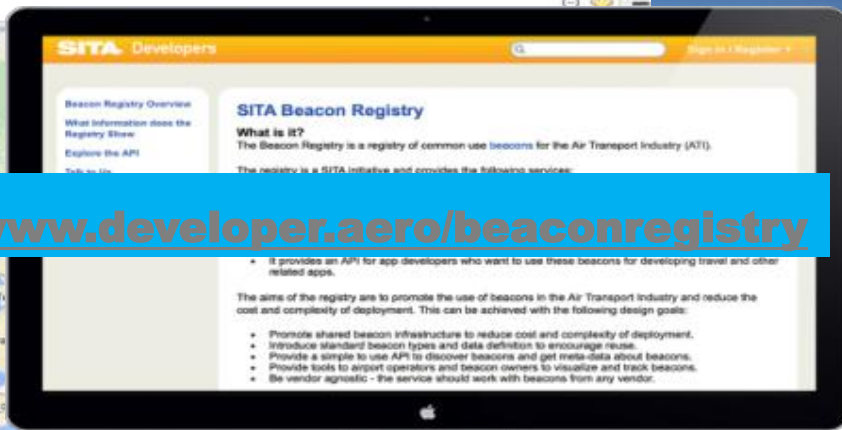
44% *

OF AIRLINES PLAN TO LEVERAGE BEACONS
BY 2018



* Source: <https://secure.sita.aero/globalassets/docs/surveys--reports/airline-it-trends-survey-2015.pdf>

30+ airports and airlines are testing common use beacons as proposed by SITA/ACI/IATA



www.developer.aero/beaconregistry



ACI WORLD AIRPORT IT STANDING COMMITTEE
BEACONS TASK FORCE
TERMS OF REFERENCE





Internet of Things

The New Booming Activity in Tech Ecosystem

Beacons
are gen 0
of IoT



\$19 trillion

"Internet of things is a \$19 trillion opportunity"

Machina Research

\$450bn devices

"The market for connected devices will reach \$450bn in 2022"

1.5 trillion devices

"There are about 20 billion IoT devices out there today, but that number will grow to 1.5 trillion by 2020"

\$3.2bn

"Google buys Nest for \$3.2 billion to build a strong team for the internet of things"

Google

SAMSUNG

\$200m⁽¹⁾

"Samsung buys SmartThings, a B2C application allowing to control everyday home appliances over the internet, for \$200m"

PTC[®]

\$112m

"PTC buys ThingWorx, a B2B software platform designed to build and run M2M and IoT-based applications, for c.\$112m"

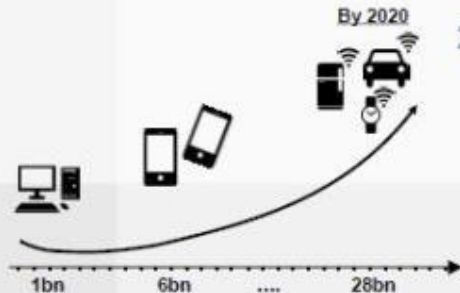
\$300bn

Gartner

"IoT will generate \$300bn in revenue by 2020"

28bn devices

Goldman Sachs



Note: (1) Estimation (amount not disclosed)
Sources: Press, Companies

Every object will become IoT

Smart Doorlock

The Genie Smart Lock - A door lock that allows you to lock and unlock your home using your smart phone, bluetooth keyring or computer.

<http://www.geniesmartlock.com/usa.php>



Smart Tooth Brush

The Beam Brush is a connected toothbrush that engages users with their daily hygiene routine.

<http://www.beamtoothbrush.com/toothbrush/>



Smart Bike

Valour by Vanhavia gives directions, reroutes to avoid traffic, and tracks riding metrics.

<http://www.valourbikes.com/>



Smart Propane Tank

This super smart propane tank gauge connects to an app on your mobile device so no matter where you are, you'll always know when it's time to refuel.

<http://www.gaslink.com/usa/3600ml-smart-propane-tank-gauge>



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People will attach IoT devices to or in their bags



LUGLOC.
KNOW WHERE
YOUR LUGGAGE IS. ALWAYS.

Before the bag become smart object



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Our panel today

Simon Moores
VP Conservative
Technology
Forum, Former
Technology
Ambassador
British
Government

Daniel Froehly
Head of Sales
and Business
Development of
Europe and CIS,
SITA OnAir



Chris Annetts
Commercial
Passenger
Services Director,
Heathrow Airport
Holdings



Patrice About
Director Ground
Innovation Air
France KLM

