

Digital Initiatives for the Citizen

Can 'digital' leverage the social economy?

Pascal Laffineur, Chief Executive Officer, The NRB Group

32^{ème} Congrès international du CIRIEC

«L'ÉCONOMIE PUBLIQUE, SOCIALE ET COOPÉRATIVE DANS LA RÉVOLUTION NUMÉRIQUE»



A new (digital) dawn?

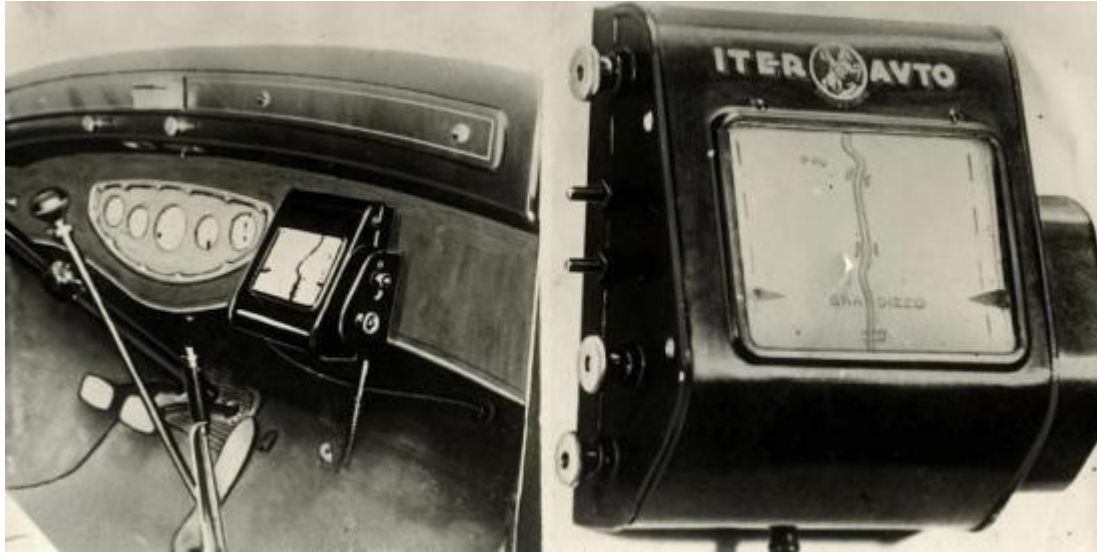


History shows a continuous flow of human creativity and innovation ...



Smart Watch Model 1921

human creativity and innovation ... only limited by technological constraints



GPS Version 1932

human creativity and innovation ... only limited by technological constraints



Always
Smarter...

Have we reached a tipping point?



And is that good or bad news?



Approaching singularity?

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THE SCIENCES MIND HEALTH TECH SUSTAINABILITY EDUCATION VIDEO PODCASTS BLOGS STORE

COMPUTING

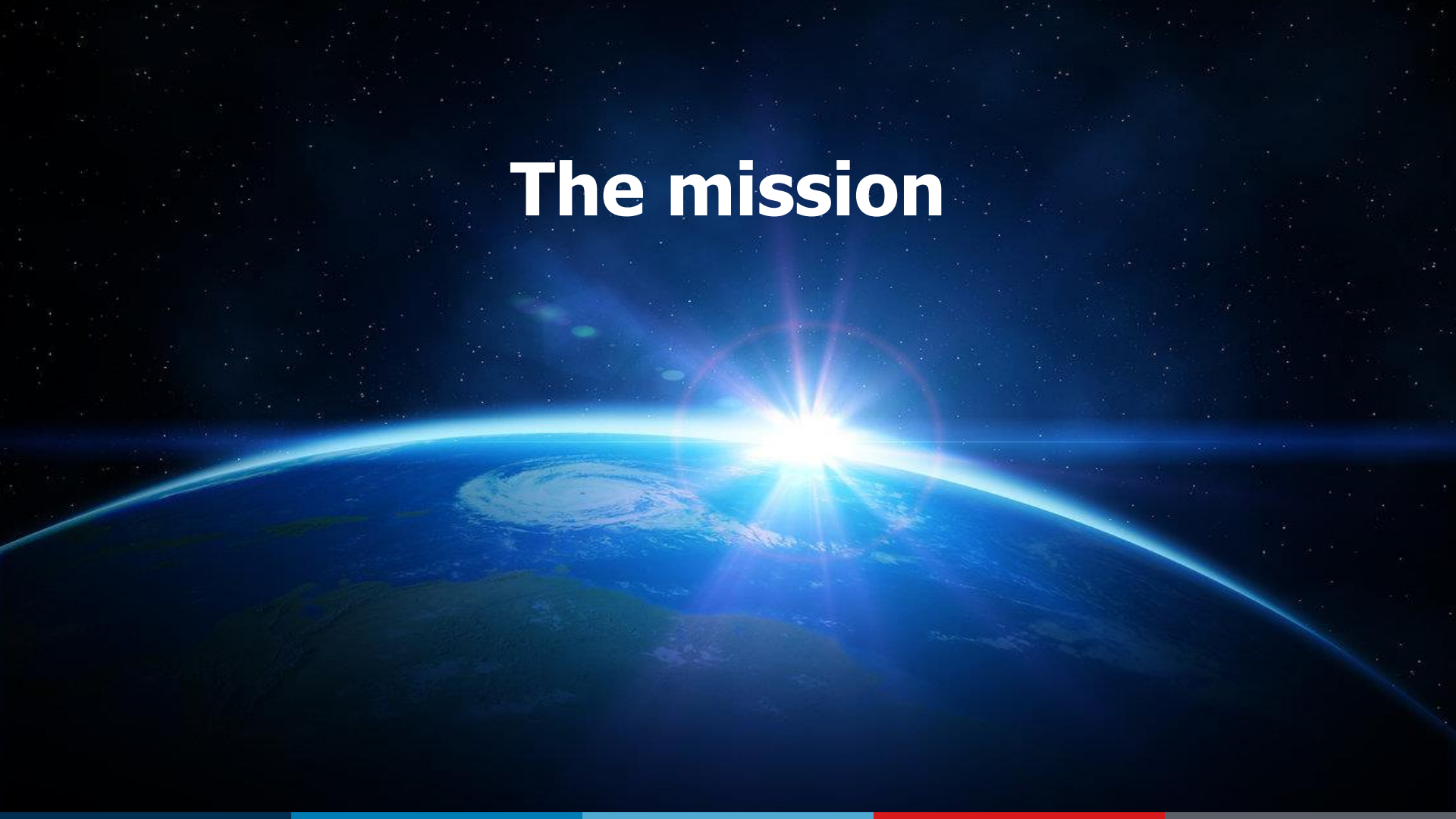
How the Computer Beat the Go Master

As a leading go player falls to a machine, artificial intelligence takes a decisive step on the road to overtaking the natural variety

By Christof Koch on March 19, 2016 [أعرض هذا بلغة العربية](#)



The mission



THE NRB GROUP

Applications



Cloud



Infrastructure



Consultants



TOP 3 BELGIAN ICT SERVICE PROVIDER

Turnover 2017: € 326 Million

+ 2,000 collaborators



FINANCE & INSURANCE
PUBLIC & SOCIAL
ENERGY & UTILITIES
INDUSTRY



INTERNATIONAL
ORGANISATIONS
& CORPORATIONS



HEALTH CARE



LOCAL AUTHORITIES

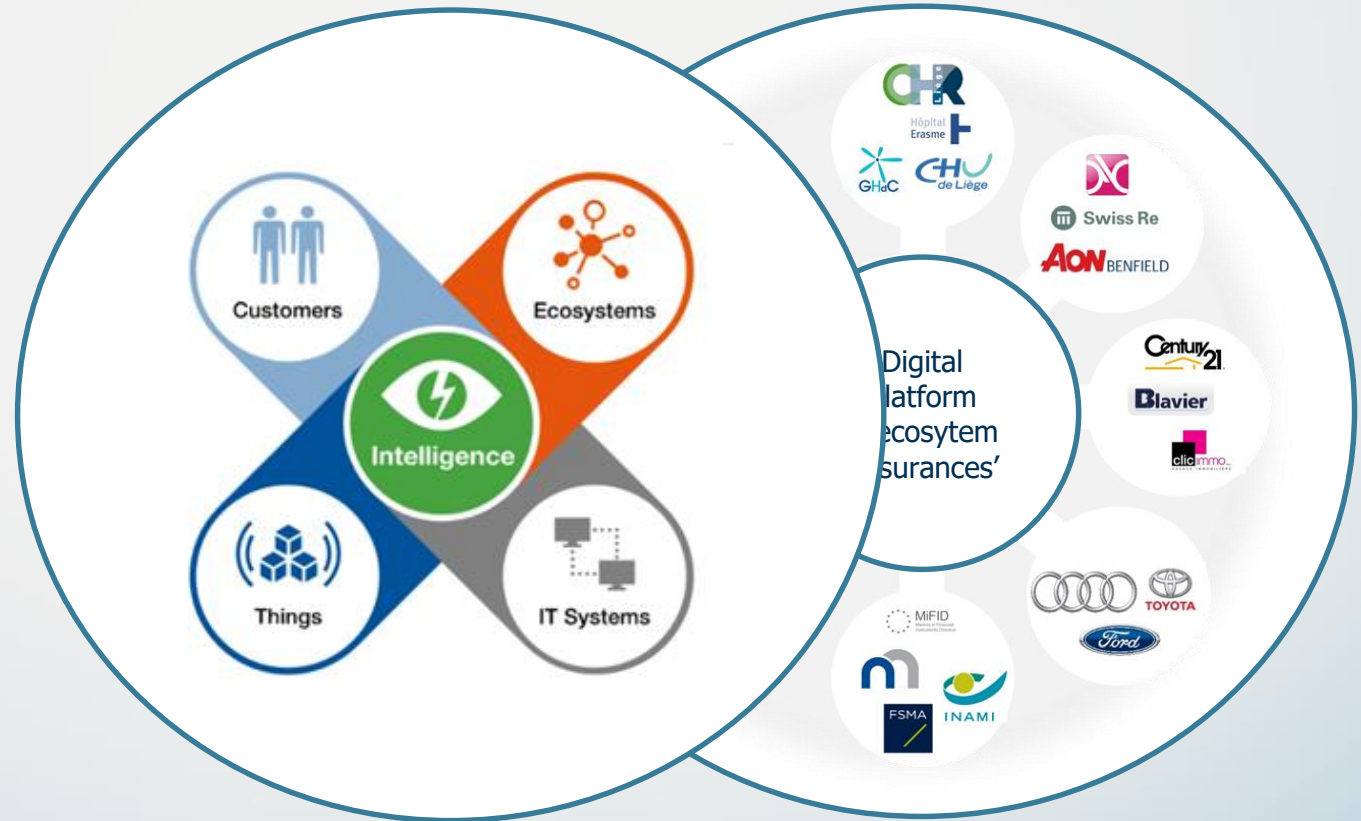


The mission statement of the NRB Group:

“We, as the NRB community, commit to deliver optimal end-to-end ICT solutions & services in a long term close partnership with customers from the public and private sectors to simplify technological, economical and societal transformation through proven innovation shared expertise and our empowered people.”



NRB helps its customers to leverage on the digital forces



Setting up a digital platform

User
Interface



Connections to
related
ecosystems, or
applications



Virtual version &
aggregation of all
connected
systems



User Enrollement
Alerting
Customization
Rules
Management...



Machine
Learning



Exchange with
legacy systems



Security Management



DC NRB

Accelerate by using existing platforms

Setting up a digital platform

Mobile
application for
building
monitoring



Integrated
SW application
for energy
optimization
&
IOT Installers
network



Sensors and
detectors in the
buildings
Virtual
agregation of IOT
informations



User Enrollement
Alerting
Customization
(sms, phone, ...)



Machine
Learning
capabilities for
building
prevention and
risk management



Policies
informations
exchange with
insurers backend



Security Management



DC NRB

Accelerate by using existing platforms

Use case **SMARTCITIES**

The image is a conceptual graphic for smart cities. It features a dark silhouette of a person's head and hand holding a smartphone. Inside the silhouette, a vibrant cityscape at night is visible, showing illuminated buildings and a bridge over water. The background is a light, warm-toned image of a modern building, also at night. A network of white lines with circular nodes is overlaid on the entire scene, suggesting a digital or interconnected environment. The text 'Use case' is in a dark blue, sans-serif font, and 'SMARTCITIES' is in a larger, bold, dark blue, sans-serif font.

A city is a solution to a societal need

An aerial night view of a city, likely Oslo, Norway, showing a river (Akerelva) flowing through the urban landscape. The city is illuminated by streetlights and building lights, with a prominent bridge crossing the river. The background shows rolling hills under a twilight sky. The text "A city is a solution to a societal need" is overlaid at the top, and a definition of societal needs is at the bottom.

Definition of *Societal Needs*: Include the essential element for human survival from energy, food, and water, to health, job, security, and transport.

Smart city

using the leverage of a digital platform and a digital ecosystem to come up to today's societal needs



Energy
efficiency



Inclusion



Mobility



Desertification



Social cohesion

Set up an ecosystem of smart city partners



Starting point: the user / the citizen



wallonie
en poche

Tous mes services réunis
dans une seule app!

digital
wallonia
be
Compatible avec le Charge SmartBatterie RightWallonia



wallonie
en poche

Wallonie en poche, c'est quoi?

Une app pour son horaire de bus, ses poubelles, pour trouver les lieux autour de soi ou rester en contact avec sa commune... Cela fait beaucoup, non ? Et si tout était réuni dans une seule application mobile ? Avec Wallonie en Poche, composez votre propre collection de services utiles à votre quotidien et recevez des messages instantanés vous simplifiant la vie.



- Des alertes personnalisées
- L'actualité de votre région
- Les horaires de bus
- Vos cartes de fidélité
- Le ramassage de vos poubelles
- Des communes et lieux connectés
- Les événements locaux
- Et bien d'autres à venir...

www.wallonieenpoche.be

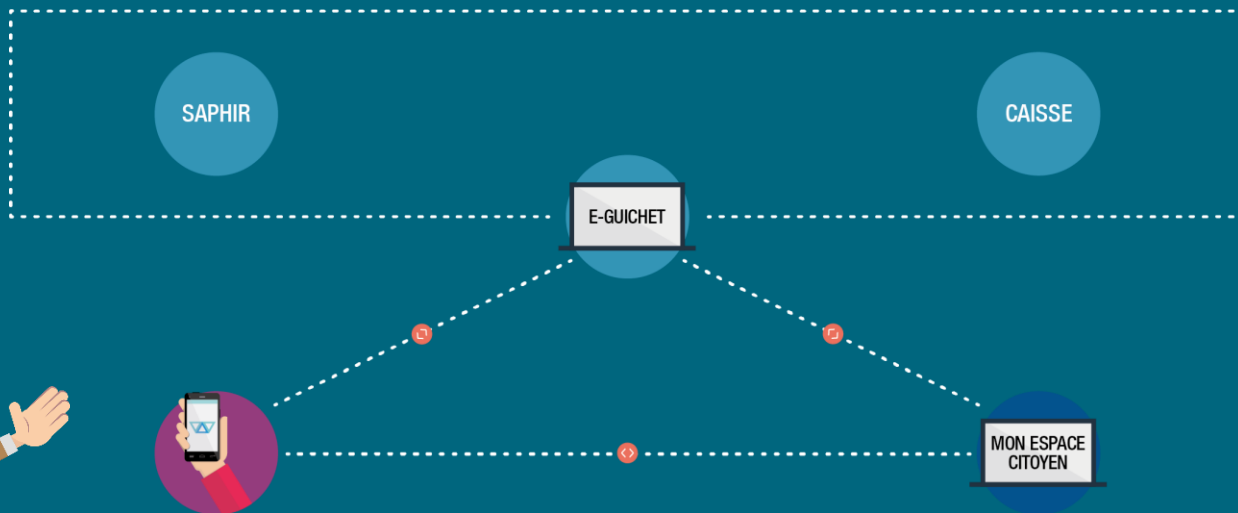


digital
wallonia
be

powered by
letsگوی

THE FRONT END:
one unique application
for the citizen

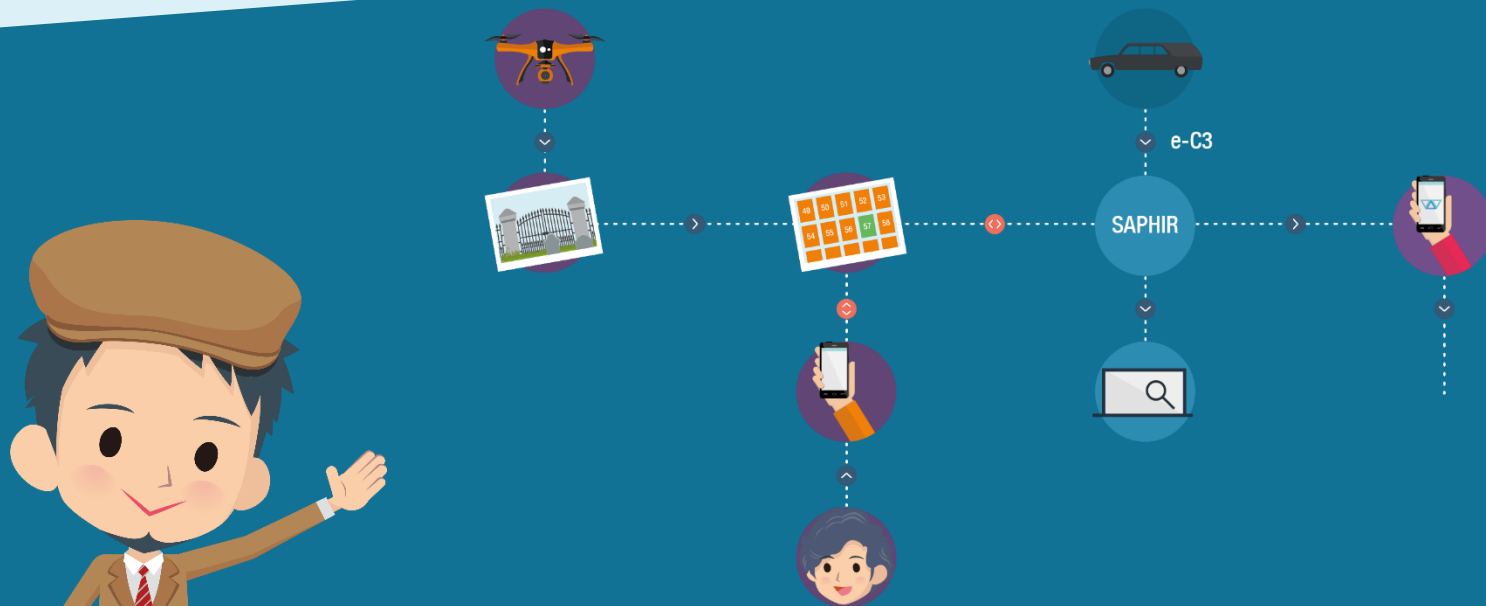
The portal for the connected citizen



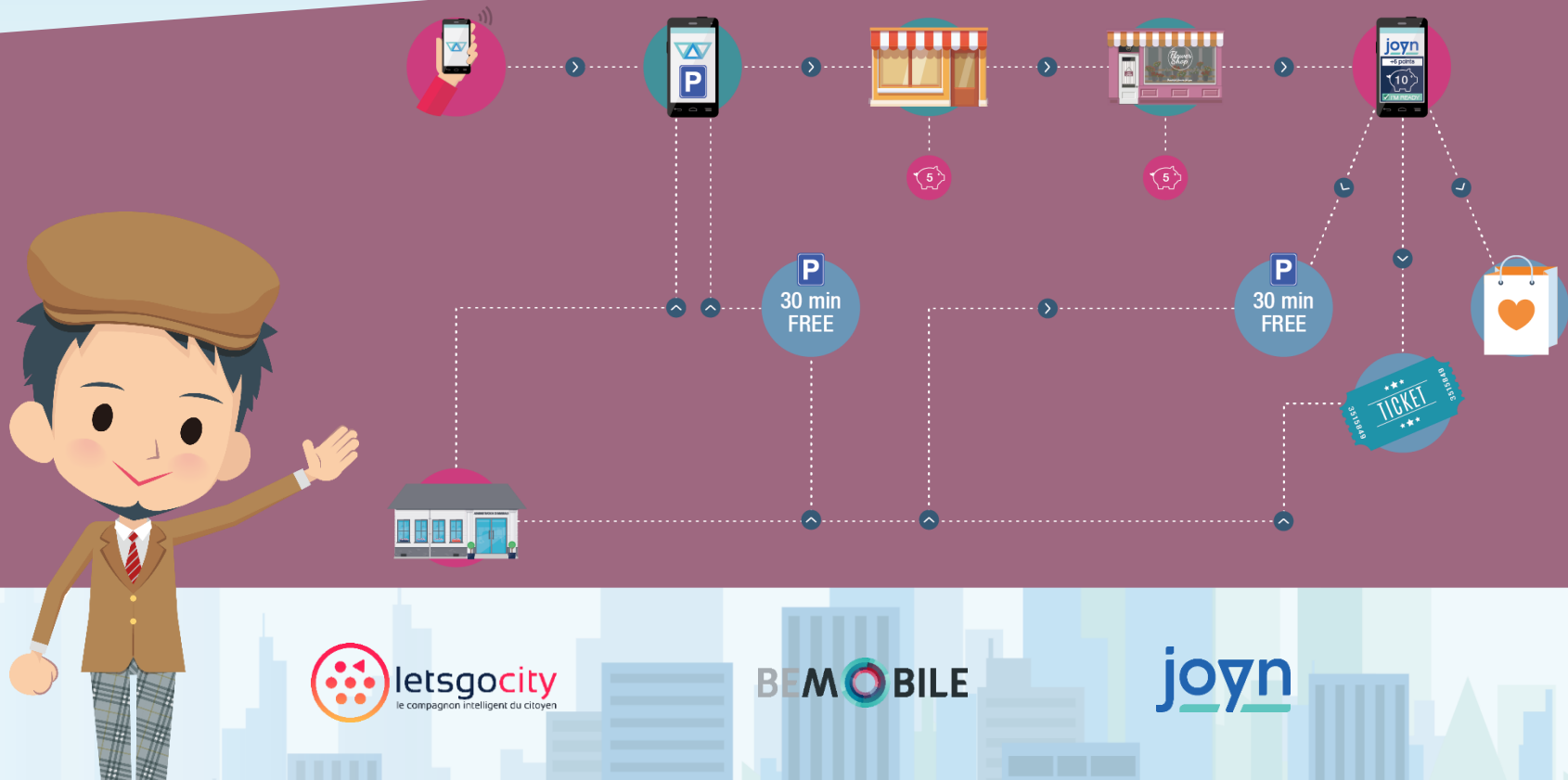
Smart water



Cemetery management



Local retail and city marketing



Smart Cities through Smart Lighting

SmartNodes offers public lighting "on demand", i.e. only in the presence of road users. Energy savings can reach 80% while guaranteeing visual comfort and user safety.

By integrating environmental sensors, detecting parking slots p.e., the lighting network becomes a major driving force of "Smart City" networks



Smartnodes
SMART CITIES THROUGH SMART LIGHTING

A wide-angle photograph of Earth from space, showing the curvature of the planet and a thin blue atmosphere. The surface is dark, with numerous bright yellow and orange lights from cities and towns visible, particularly concentrated in the lower half of the frame. The background is a deep black space filled with many small, distant stars.

So

NRB is leveraging digital transformation, offering

Infrastructure & technology:

- Hybrid cloud platform
- Mobile, web and back end application development
- Big data platform
- IoT and security experts & tools and integration expertise.

Co-creation:

NRB's consultants set up multi-disciplinary projects in collaboration with customers & partners, assessing current and potential service and business models

Coaching:

NRB consultants advice and accompany organisations through their digital journey



Ecosystems:

NRB federates ecosystems in various sectors to boost innovation (health care, insurances, utilities, smart city,...)

Competences & capacities:

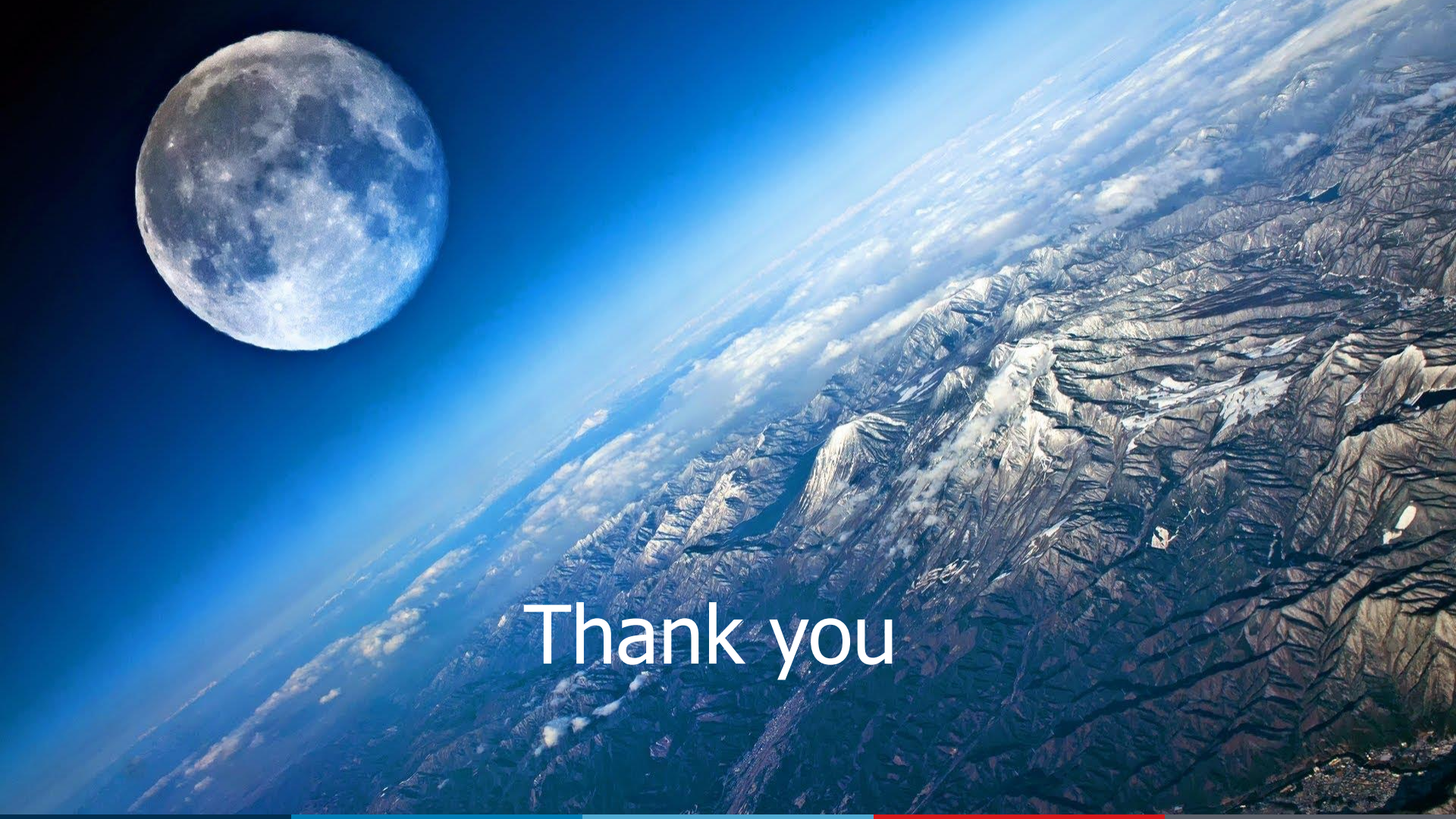
NRB partners with universities, research centres and public organisations to invest in trainings programs

The NRB Group: Smart City Partner

We drive, we federate, we inspire, we realise...

because we believe that
together with you and the right partners
we can turn your city in a better place for all of us.





Thank you