



# Enabling digital society





## Who we are

Altice Labs, an Altice Group company, lives by innovation and works every day for the development of new telecommunication solutions and technologies, anticipating the future.

# What we do

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Knowledge is the raw material that Altice Labs transforms into advanced solutions with an innovation approach supported on an ecosystem built around R&D entities, startups and industrial partners.



# Vision

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Lead the development of  
new ICT solutions and  
technologies.



# Mission

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Promote the process of innovation,  
turning knowledge into competitive  
advantage in the market.

# Values

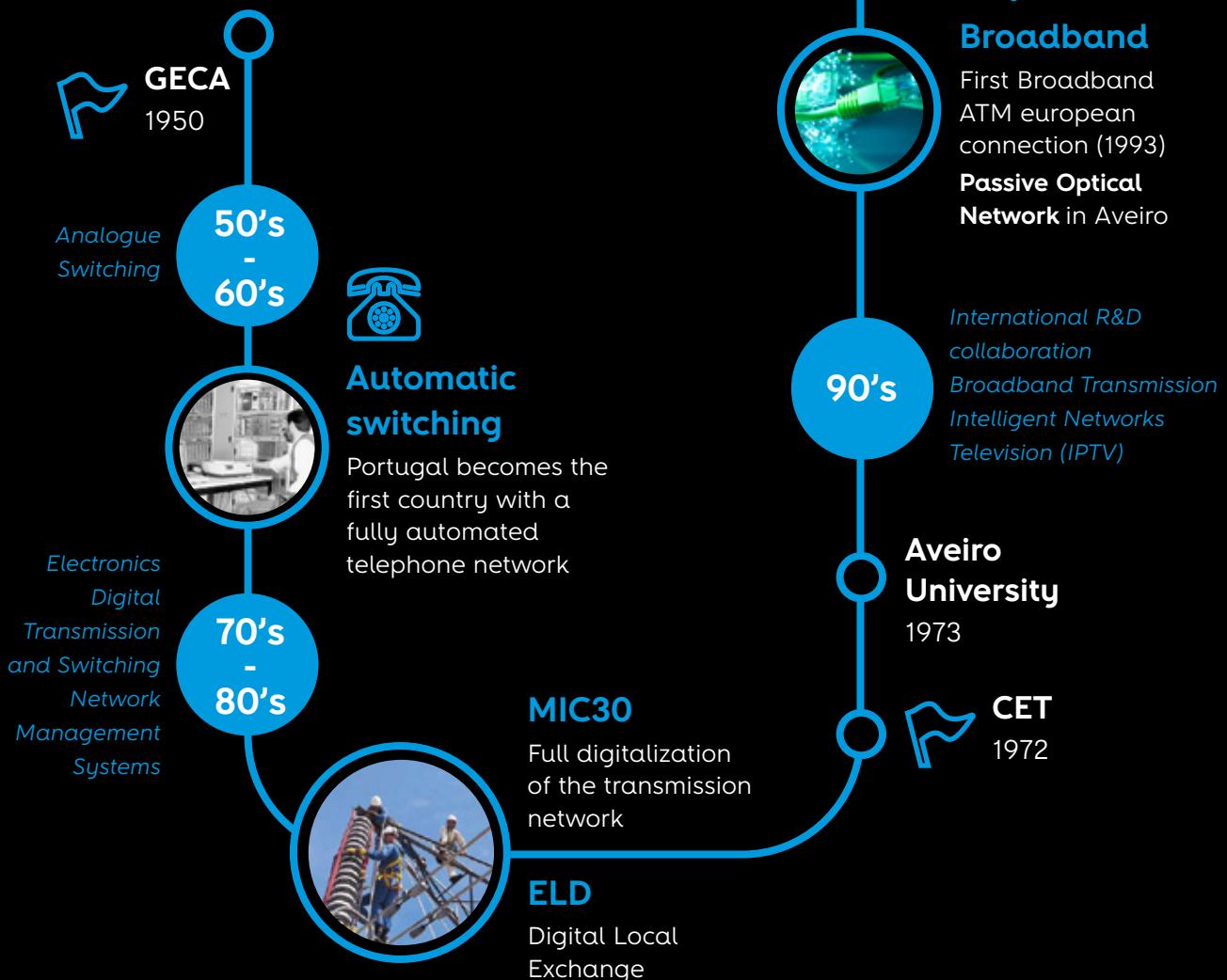
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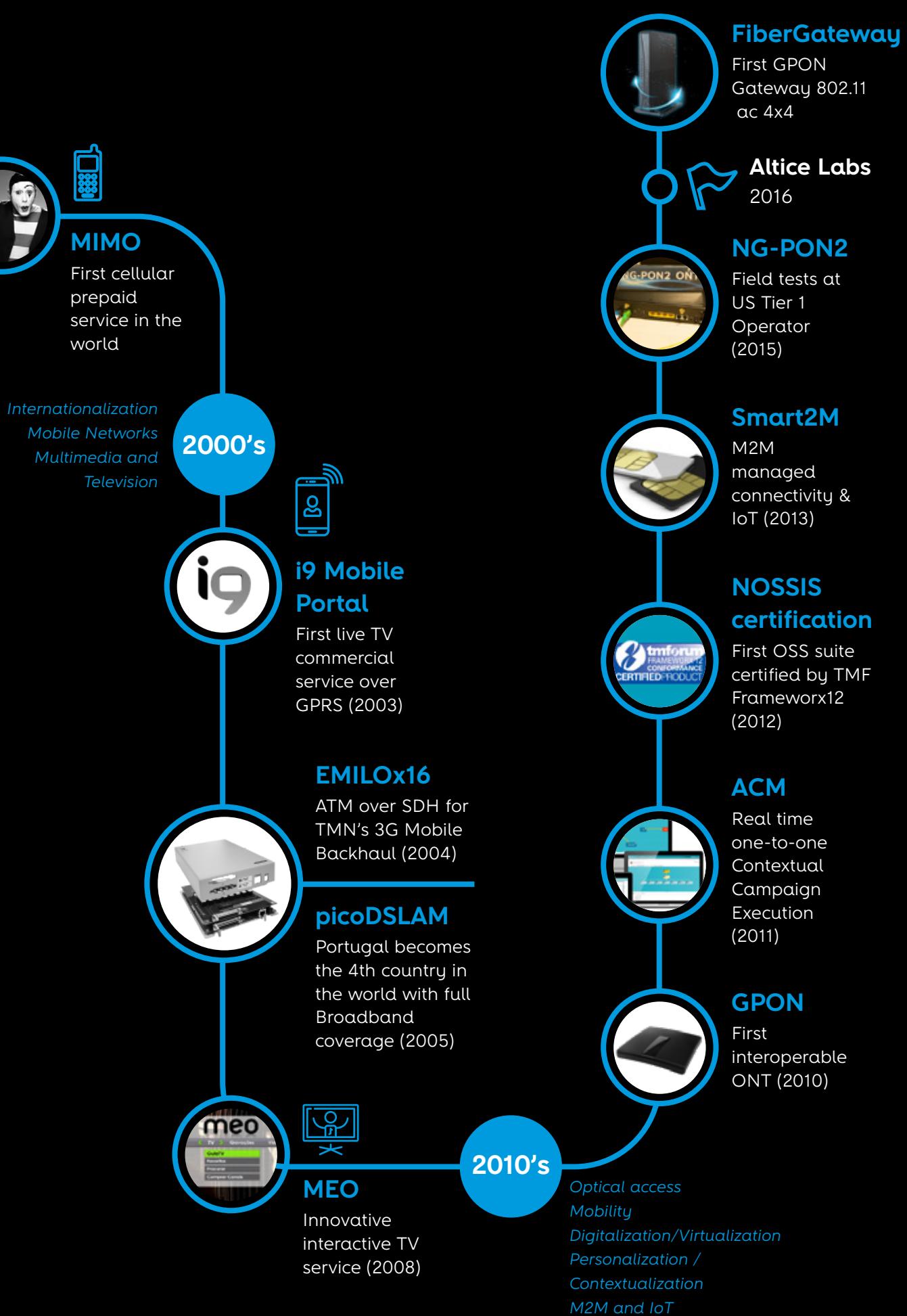
Altice Labs' commitment is to offer all its customers and partners best-of-breed products and technologies with cutting edge innovation.

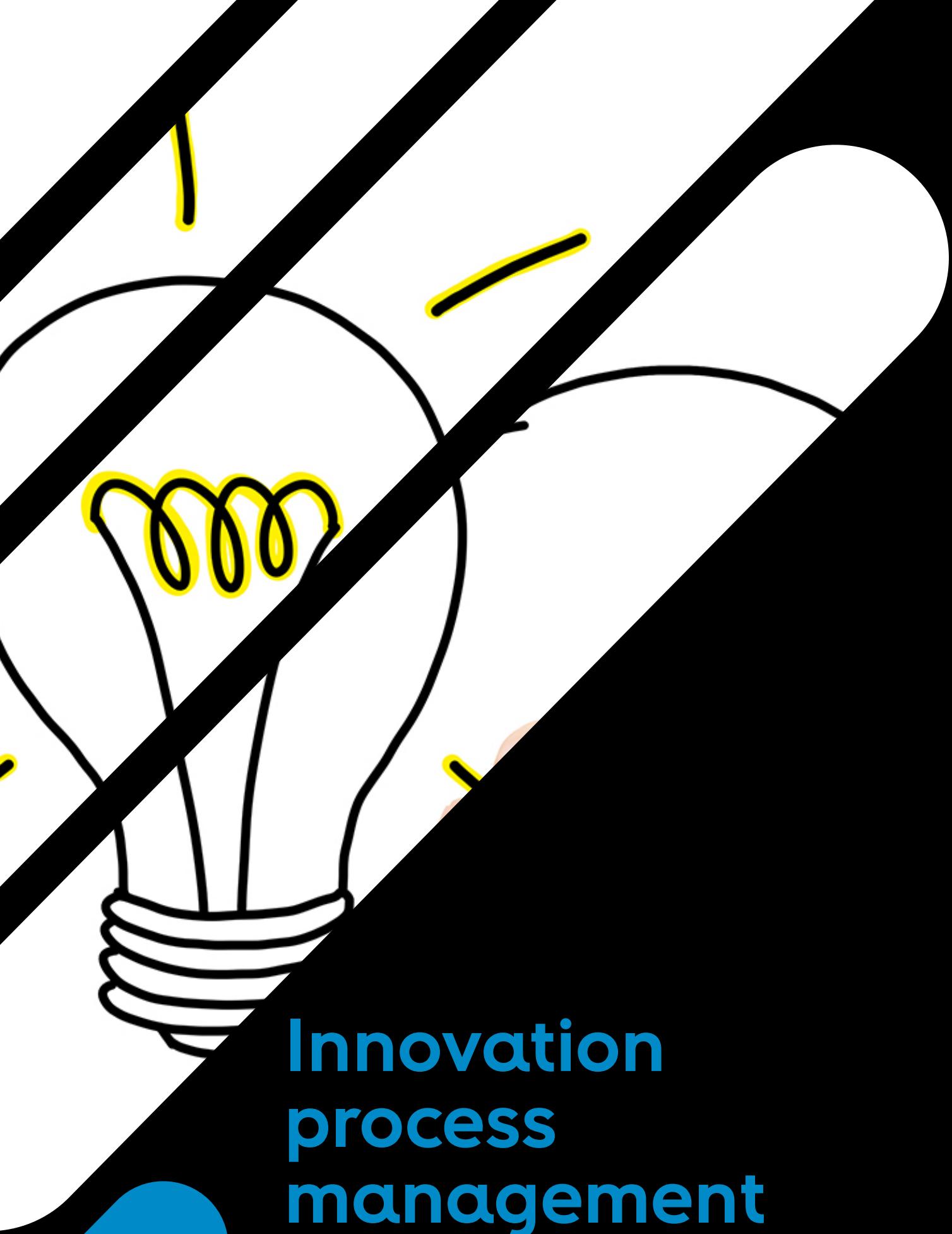


# More than 65 years of innovation

The history of Altice Labs is linked to the Portuguese telecommunications sector evolution.





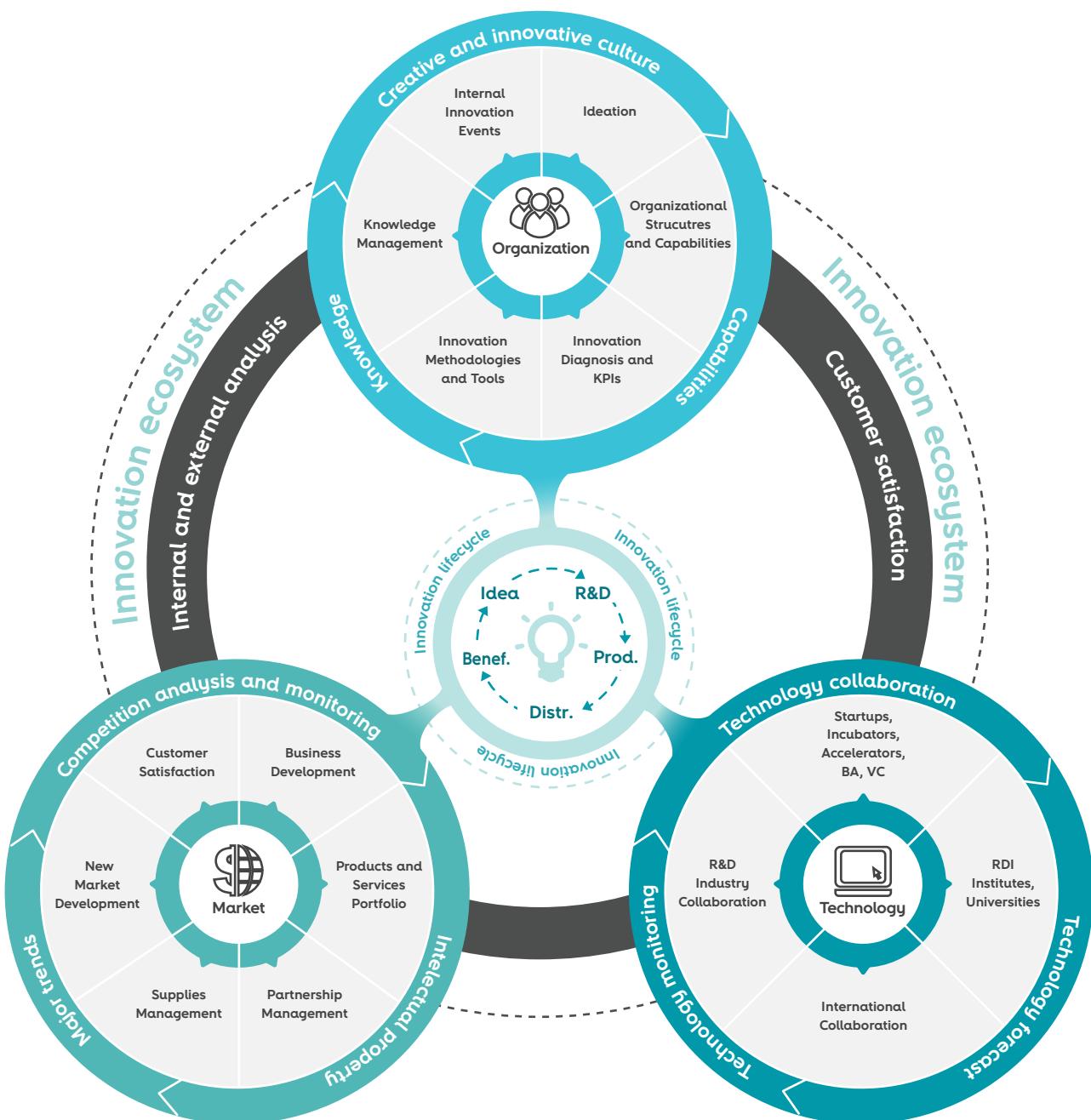


# Innovation process management

& innovation ecosystem

# Innovation process management

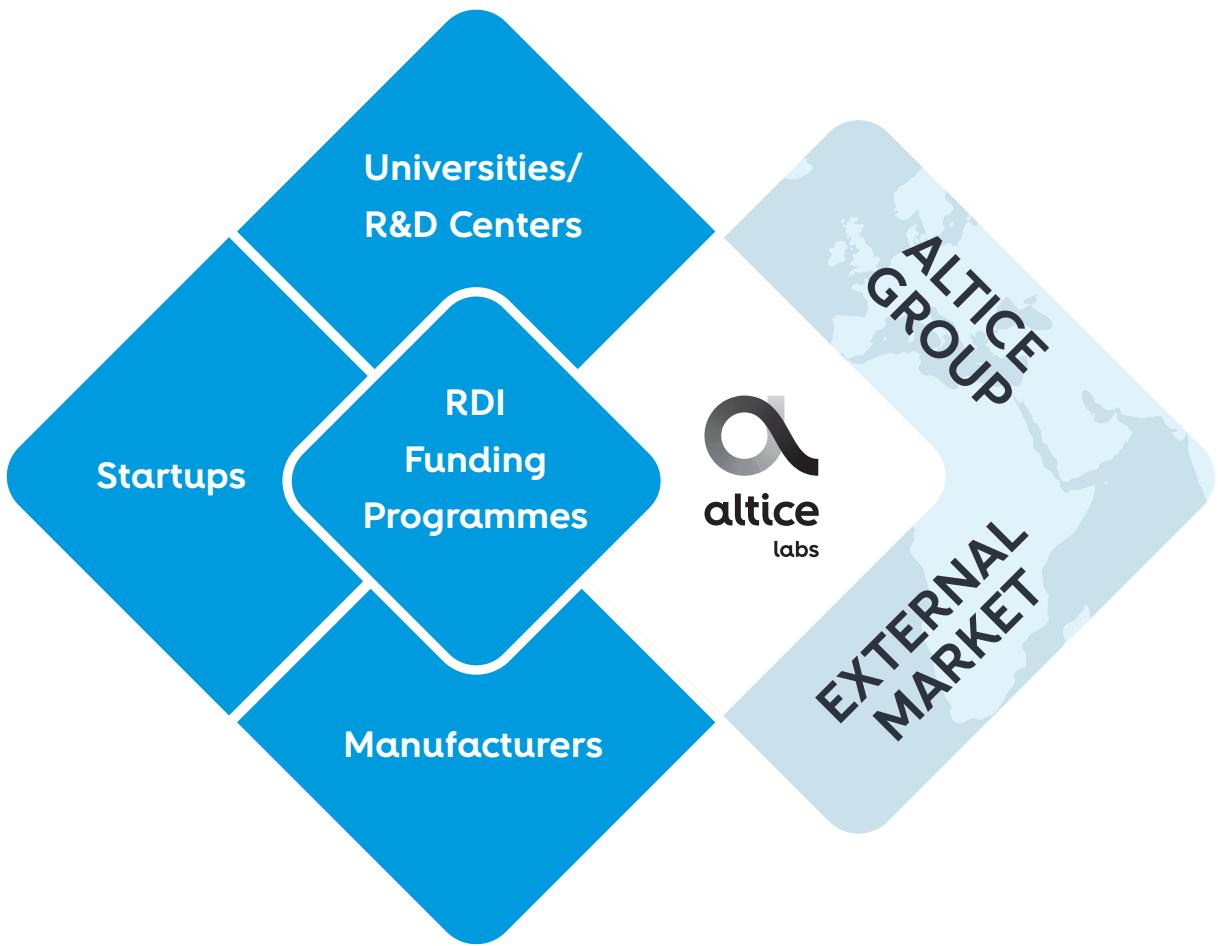
Altice Labs promotes knowledge transformation into technological innovation as a means to create differentiation in the markets and value for all stakeholders.



# Innovation process & ecosystem

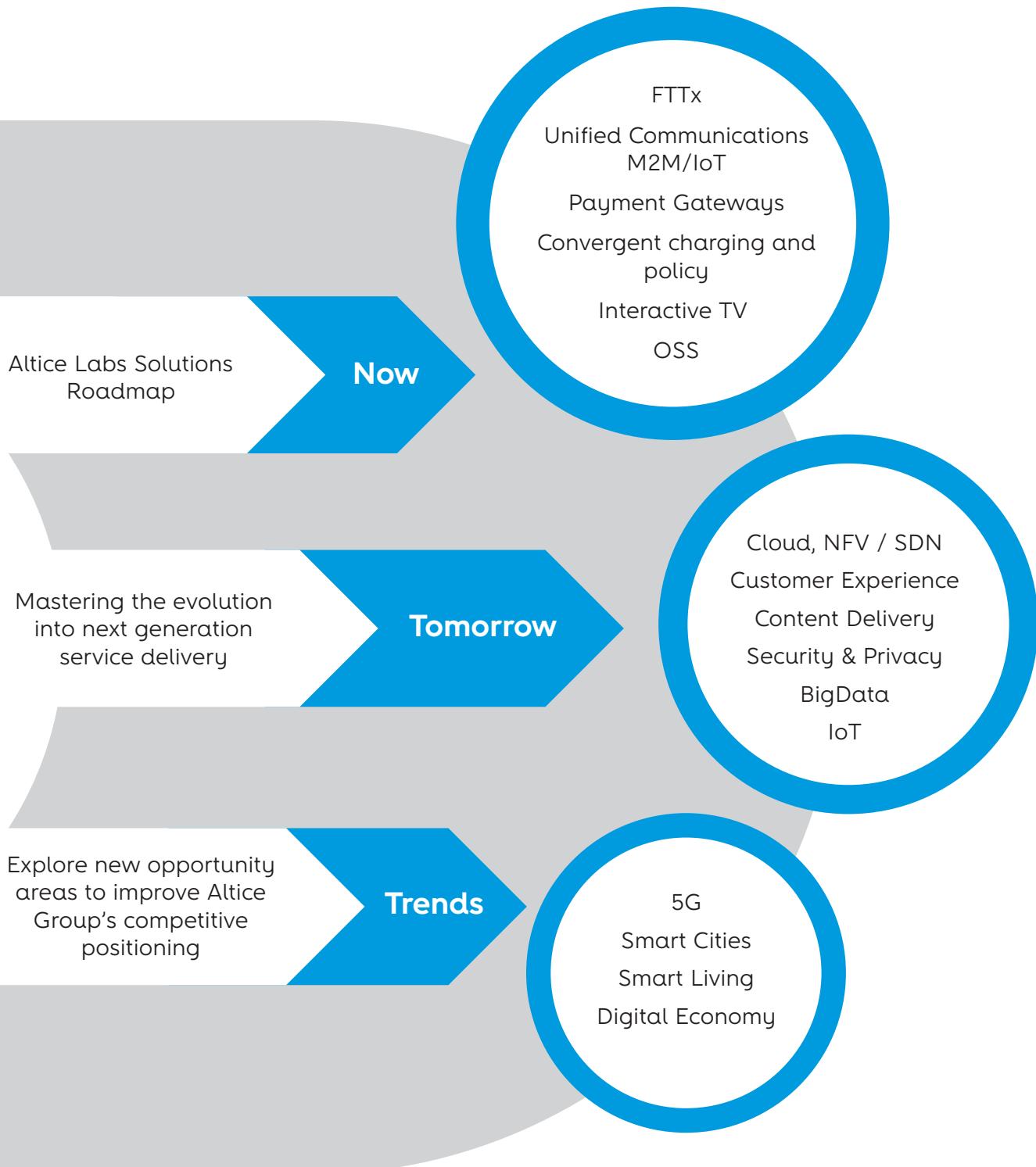
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Altice Labs continuously engages in collaborative RDI projects as part of a sustained strategy for technological leadership. To this end, Altice Labs plays an active role in the Innovation Ecosystem, working in partnership with world class universities, R&D Institutions, technology startups, Suppliers and Clients in several projects, based on a risk sharing model, resorting to external funding from the major national and international research and innovation support programs.



# RDI business impact

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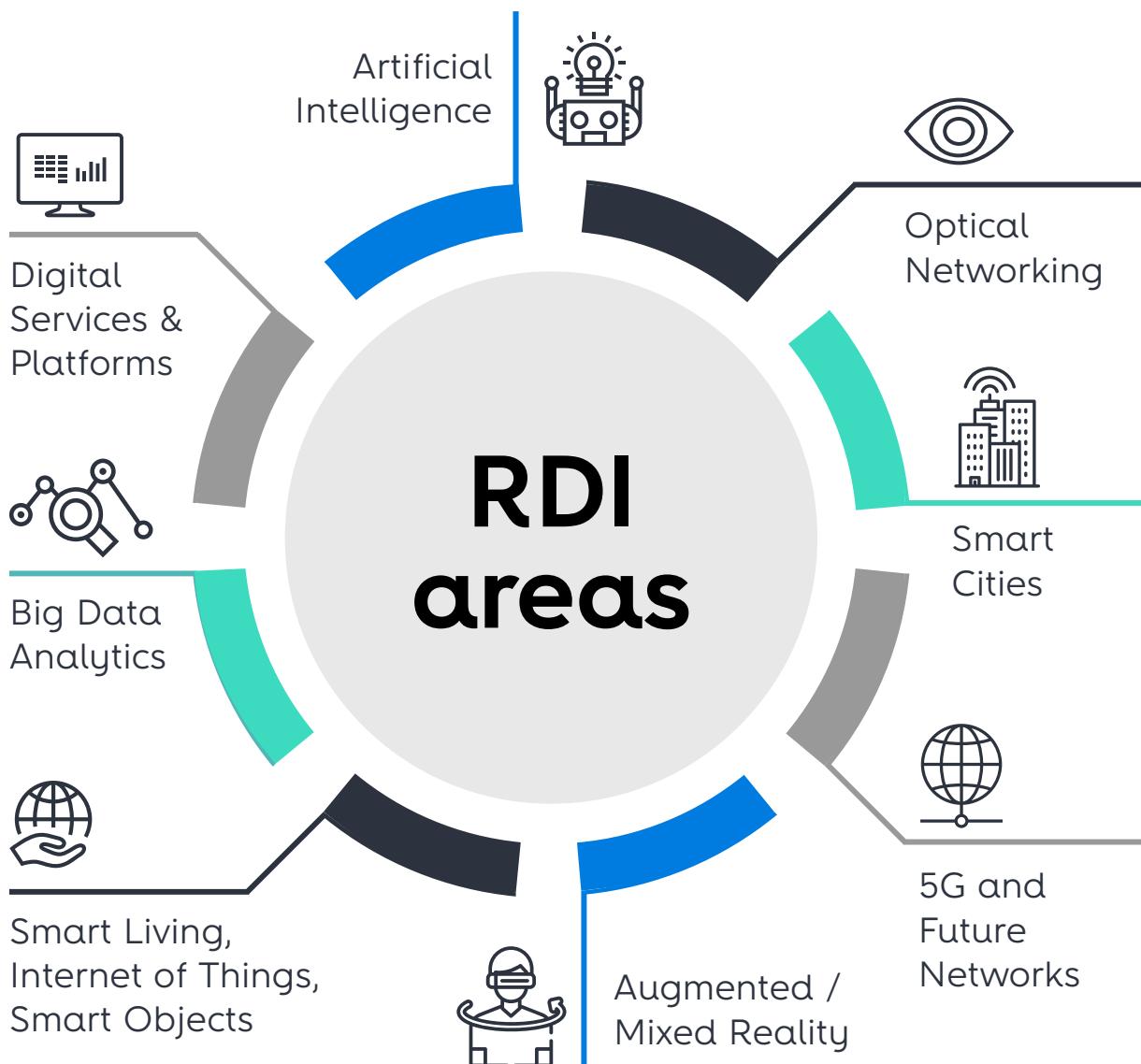
# **Research, development & innovation**

areas

# RDI areas

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To ensure value creation and positive return to the operations, Altice Labs guarantees that knowledge transfer occurs in all exploratory innovation specific activities around strategic areas.



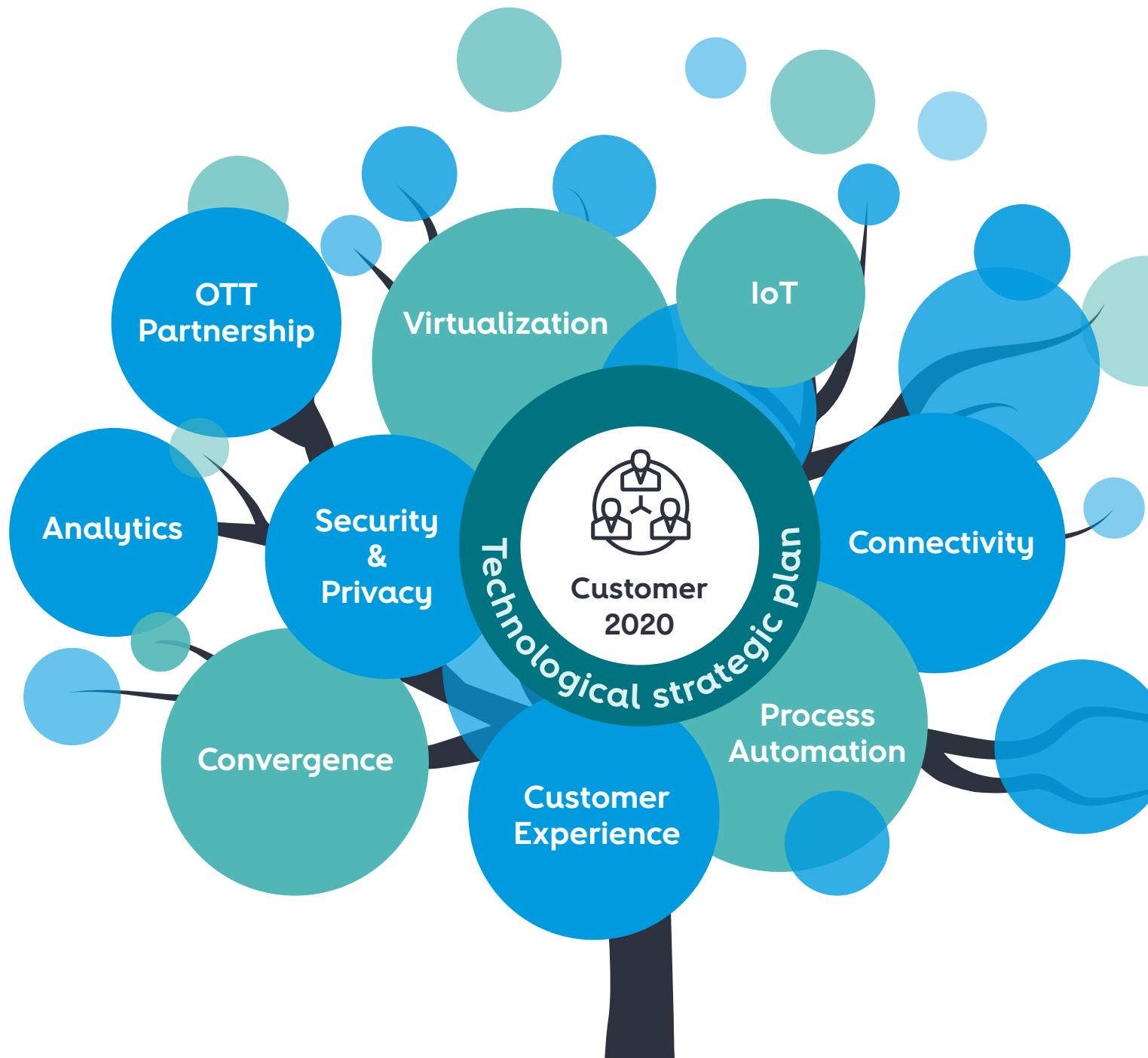


# Strategic plan

for technology  
evolution

# Technological strategic plan

Altice Labs helps define the vision for the Altice Group technological strategic positioning and the evolution initiatives required to achieve that vision, focused on the customer of today and tomorrow.





# Solutions and product development

**Network Systems**



**Operations Systems Support**



**Network Control  
and Services Platforms**



**Digital, Internet  
& Television**





# Network Systems

Solutions and products for access, aggregation / metro and core networks; passive optical network and FTTx equipment; conformance & certification Labs.

## Laboratories and Engineering Services

- Conformance and Certification Labs
- Cellular planning and optimization

## xPON

- GPON
- XGS-PON
- NG-PON2
- G.Fast

## RF & Probing

- RF Overlay extender
- QoS Probing
- PON Probing

## FTTx Passives

- Passive products and components (splitters, cabinets)



OLT1T1



OLT1T3



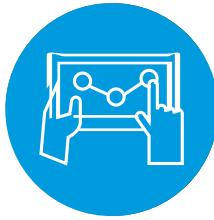
XGS-PON



NG-PON2



ONT



# Operations Support Systems

Integrated suite of OSS products enabling process automation, in the areas of Operational Support & Readiness, Fulfillment and Assurance.

## Network Development and Inventory

- Enabling business evolution

## Service Assurance

- Guaranteeing client service

## Customer Centric Operations

- Operating with total focus on the client

## Service Fulfillment

- Overcome client expectations



**NETWIN**

(Inventory)



**NA**

(Network  
Mediation)



**NetQ**

(Test and  
Diagnostics)



**ALTAIA**

(End-to-end  
assurance)



**ArQoS**

(Network and service  
monitoring)



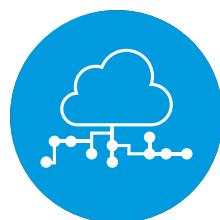
**AM**

(Fault  
Management)



**SIGO**

(Operational  
activities mgmt)



# Network Control and services Platforms

Network and service control for convergent platforms, addressing B2C & B2B markets, service monetization, personalization and quality of experience.

## Convergent services, charging & policy management

- Unified communications, monetization and quality of experience

## Campaign & Channel management

- Personalization and quality of experience

## M2M & IoT

- New revenue streams



## API Management

- Managing the digital services ecosystems



**PCC**

(Policy and Convergent Charging)



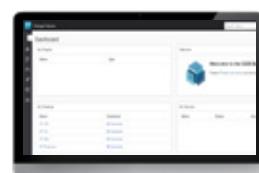
**ABC**

(Unified Communications)



**ACM**

(Campaign Manager)



**SDB**

(Service Delivery Broker)



# Digital, Internet & Television

Integrated and convergent interactive TV solutions; multiplatform and multi-device mobile services; VAS platforms; usability and user experience activities for applications and products.

## Interactive TV

- Core Middleware Functionality
- Middleware Customization

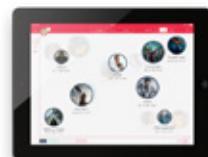


### iTVclic® Value Apps

(iTV Apps for enhanced services)

## Native iOS, Android & Windows OTT TV

- Content Discovery
- Mobile TV Platforms



### Mobile TV Platforms

(Search and Discover Content)

## Push & Pull Advertising Platform

- eCare and eHealth Solutions
- Wallet & Payments, Personal Cloud Storage



### MEO Go

(OTT TV Apps for TV anywhere)



### iTVclic® Core Apps

(iTV Apps for essential services)



### SmartAL

(Smart Assisted Living)

# Global presence

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**250 million people communicate everyday  
through technology developed by Altice Labs**

# Partners network

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Partner ecosystem to drive mutual growth and create new business opportunities in strategic markets.

Partners are an extension of the organization, playing a key role in the strategy and go-to-market activities.





[www.alticelabs.com](http://www.alticelabs.com)