# Drive your success through innovation with Atos Inno'Labs

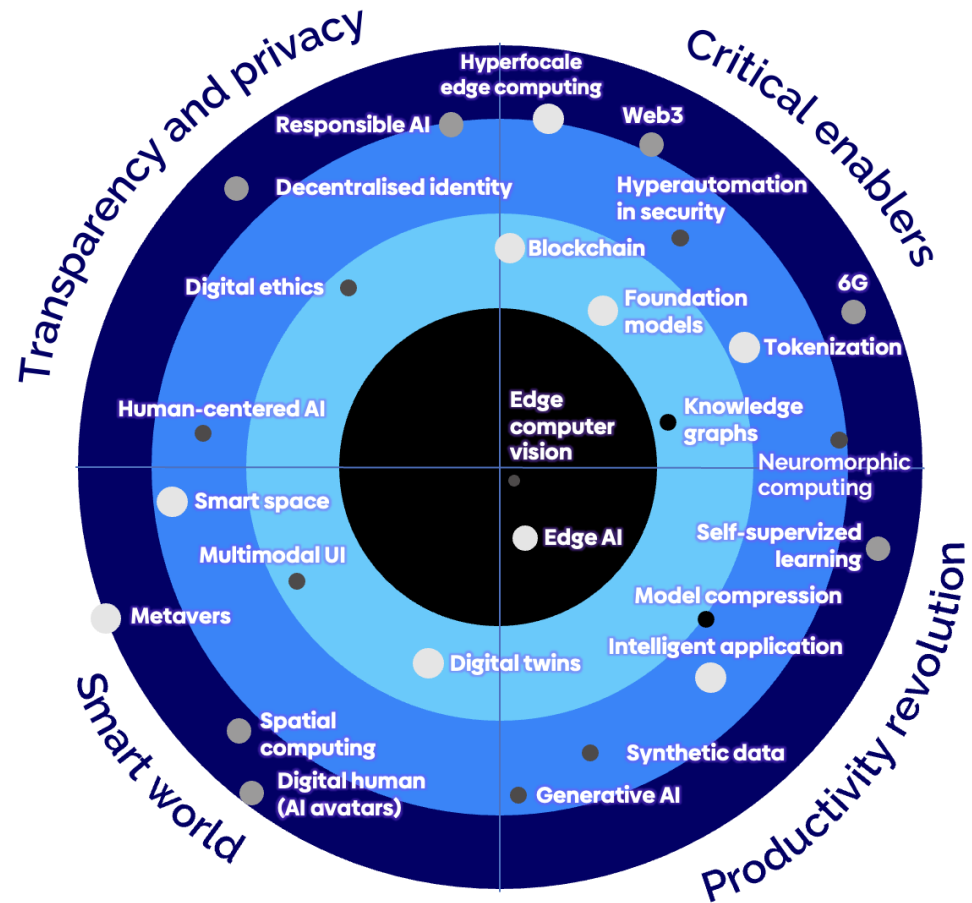AtoS

# Innovation drives progress

Successful businesses focus investment on research, development and innovation.

From artificial intelligence and robotics to extended reality and quantum computing, new technologies are revolutionizing our world.
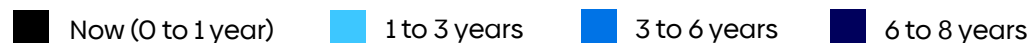
They enable leaders and innovators to solve urgent problems and transform experiences, products and services. That's the purpose of our Inno'Labs at Atos.

By anticipating these technological trends, we can help you drive growth and win competitive advantage.

By innovating together, we can make what once seemed impossible, possible – for your business, your customers, employees and wider society.



**Transparency and privacy**

**Critical enablers**

**Smart world**

**Productivity revolution**

- Hyperfocale edge computing
- Responsible AI
- Web3
- Decentralised identity
- Hyperautomation in security
- Blockchain
- Digital ethics
- Foundation models
- 6G
- Tokenization
- Human-centered AI
- Knowledge graphs
- Edge computer vision
- Neuromorphic computing
- Smart space
- Edge AI
- Self-supervised learning
- Multimodal UI
- Model compression
- Metavers
- Digital twins
- Intelligent application
- Spatial computing
- Synthetic data
- Digital human (AI avatars)
- Generative AI

**Time to market**

- ■ Now (0 to 1 year)
- ■ 1 to 3 years
- ■ 3 to 6 years
- ■ 6 to 8 years

**Market demand**

- ● Low
- ● Medium
- ● High
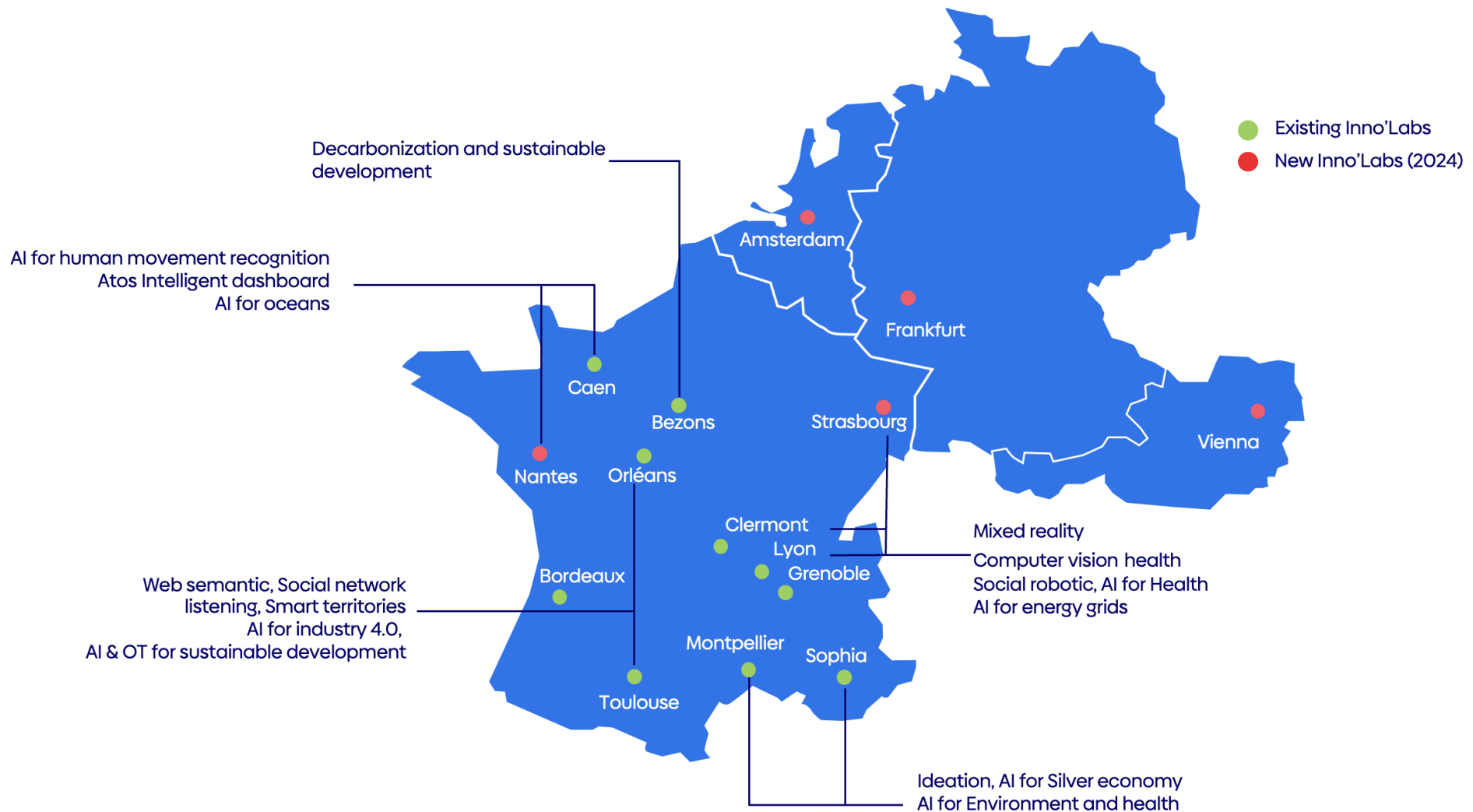- ○ Very high

# Introducing Atos Inno'Labs

**Kick-start the next phase of your digital journey with rapid innovation**

Our network of Inno'Labs is dedicated to helping you stay ahead of the trends that will impact your industry and the people you serve, today and tomorrow.

Each Inno'Lab leverages our global innovation expertise and research laboratory activities.

These capabilities are enriched by our intimate knowledge and experience working in all sectors and with customers in specific operational environments.

Our dedicated multi-disciplinary teams comprise experts ranging from data scientists and geomaticians, to IT architects and developers.

| **15** regional Inno'Labs | **100** doctors and innovation experts | **70 000 hours** of R&D per year | **+50** projects per year | **+100** partners involved in the ecosystem | **8** business Technology & Innovation Centers | **+10 million** annual R&D budget | **+500** experts |
|---|---|---|---|---|---|---|---|



Decarbonization and sustainable development

AI for human movement recognition
Atos Intelligent dashboard
AI for oceans

Existing Inno'Labs
New Inno'Labs (2024)

Amsterdam

Frankfurt

Caen

Bezons

Strasbourg

Vienna

Nantes

Orléans

Clermont
Lyon
Grenoble

Mixed reality
Computer vision health
Social robotic, AI for Health
AI for energy grids

Web semantic, Social network listening, Smart territories
AI for industry 4.0,
AI & OT for sustainable development

Bordeaux

Montpellier

Sophia

Toulouse

Ideation, AI for Silver economy
AI for Environment and health

# Our capabilities and footprint

While the future is uncertain, with co-innovation we can build a better tomorrow – within our Inno'Labs teams, as well as with Atos global partners and start-ups.

## Our Inno'Lab partners and alliances

### Technology Services partners

- DELL EMC
- veeAM
- citrix
- vmware
- IBM
- NetApp
- Lenovo
- COMMVAULT
- HITACHI
- CISCO
- JUNIPER NETWORKS
- overland storage
- Hewlett Packard Enterprise
- PURE STORAGE

### Global alliances

- Google Cloud
- Microsoft
- aws
- SIEMENS
- WORLDLINE
- EY
- servicenow
- SAP
- OVHcloud
- salesforce PARTNER
- INGRAM MICRO
- Red Hat
- ORACLE

### Technology partners

- McAfee
- TIBCO
- blueprism
- CLOUDERA
- Informatica
- opentext
- NICE
- PEGA
- workday
- RingCentral
- MICRO FOCUS
- UiPath

# Endless possibilities, measurable results

We co-innovate with customers and partners to develop proven solutions that deliver concrete results. Our focus is to generate novel value-driven use cases that integrate advanced technologies to solve business problems and meet real-world challenges. We offer collaboration on innovation projects that leverage emerging technologies, including artificial intelligence, machine learning, automation, data analytics, cloud, cybersecurity, Internet of Things (IoT), metaverse, edge and quantum computing. Each solution is practical and scalable, while addressing the operational aspects of embedding and evolving applications in live environments. The possibilities are endless, ranging from meeting urgent environmental and health challenges to solutions that integrate generative AI into digital workplaces.

## Innovation Management
Process modeling - Brainstorming - Ideation - Design studio - Definition of objectives - Target analysis - Communication strategy

## Robotics, Automation and AI
Conversational agents - Social robotics - Deep data analysis - NLP – Robotic process automation - Smart cities

## Metaverse and Digital Twins
Simulation - Training - Environment – High-stress environment

## Digital Workplace
Intelligent document processing - Document and information retrieval - Smart working - Intelligent workflow

### Environment
Utilize AI to understand the environment for decision support through forecasting tools

### Industry 4.0
Improve your production quality, manufacturing optimization, energy savings

### Health
Utilize AI for medical research (genetics, life sciences, health pathways, innovative sensors)

### ....
Other fields of application

# A proven methodology

## Progressiveness, flexibility, customization

We integrate innovation activities along the lifecycle of each product or service, from articulating the ambition and requirements through to delivering and evolving the solution.
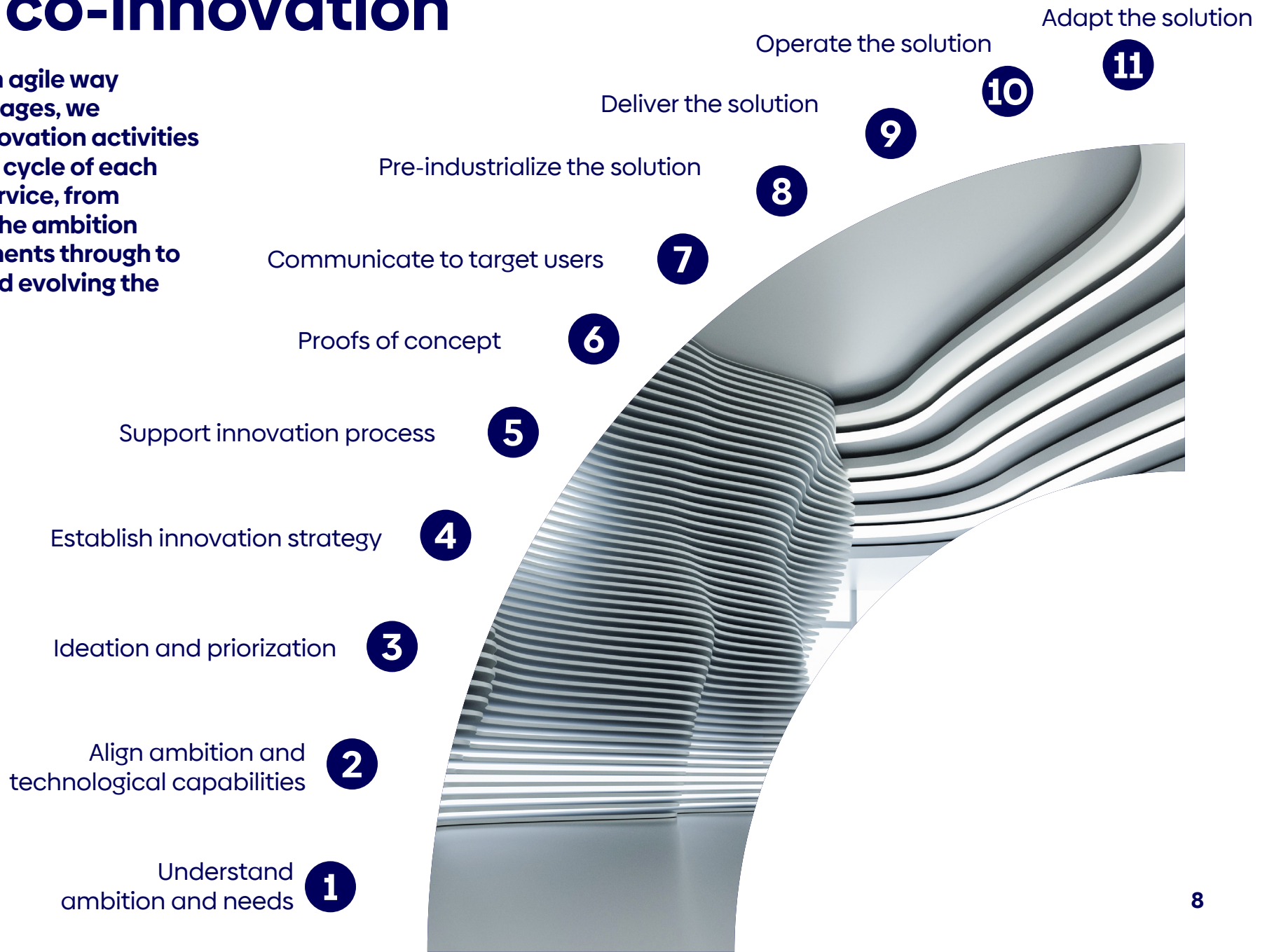
Each of our dedicated delivery centers takes responsibility for every project, working in an agile way through all stages.

We test and validate the viability of each use case through proofs of concept and dissemination of deliverables to the market.

# Atos co-innovation

**Working in an agile way through all stages, we integrate innovation activities along the life cycle of each productor service, from articulating the ambition and requirements through to delivering and evolving the solution.**

Adapt the solution **11**

Operate the solution **10**

Deliver the solution **9**

Pre-industrialize the solution **8**

Communicate to target users **7**

Proofs of concept **6**

Support innovation process **5**

Establish innovation strategy **4**

Ideation and priorization **3**

Align ambition and technological capabilities **2**

Understand ambition and needs **1**

# What makes us different?

**The synergies between our research laboratory work (in partnership with universities and research bodies) and collaborations with start-ups creates a rich innovation environment.**

## 1
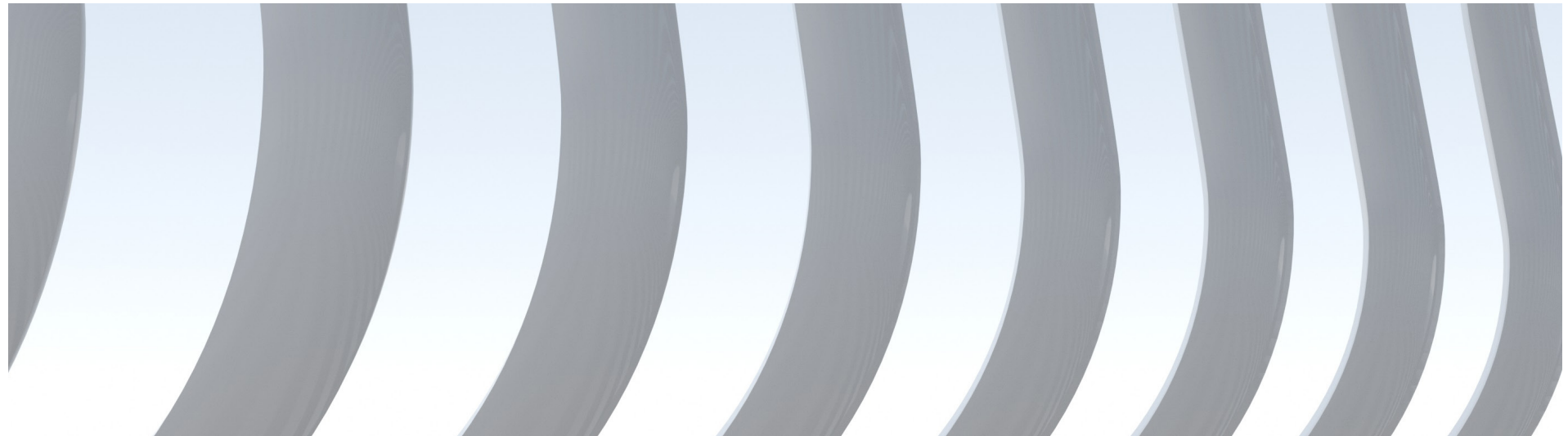
**Collective intelligence of a vast ecosystem**

- Communities of expertise, universities, research institutes
- Regional, national or global levels of expertise
- Trusted partnerships for seamless collaboration and delivery

## 2

**Collaboration and innovation in our DNA**

- Customer proximity and experience
- Innovation methodologies and agile practices
- No one-size-fits-all solutions or preconceived ideas

## 3

**Relentless focus on value**

- Applied research
- Response to real-world challenges
- Product and service orientation

# Our innovation projects realized

## 1. Collective intelligence of a vast ecosystem

**Customer**: Research & development and consultancy company with 35 years of experience
**Mission**: To improve the quality and design of agri-food products with AI-driven consumer testing
**Solution**: Joint R&D to harness the power of AI in simulating and improving sensory perception, leveraging Atos research into AI and human behavior analysis

**Benefits delivered:**

- Higher efficiency and effectiveness of product marketing analysis
- Improved product quality and consumer perception
- Increase in sales volumes

## 2. Transforming property sales with an immersive experience

**Customer**. Large  real estate company and property owner
**Mission**: To reduce vacancy rates by increasing visibility of 40,000 buildings
**Solution**. End-to-end sales journey, with immersive virtual tour integrating optical and tactile experiences on any device, leveraging Atos R&D in virtual reality and patented Atos DreamsCask (Immersive Shopping Experience) platform

**Benefits delivered:**

- Increased global visibility of real estate portfolio
- Fewer rental vacancies
- Lower site visit costs
- Virtual solution adapted to a health crisis context

# Our innovation projects realized

### 3. Reimagining air travel services

**Customer**: A major air transport company
**Mission**: To diversify and increase footprint as a global direct travel services provider
**Solution**: An intuitive mobile app delivering a tailored door-to-door experience, with advanced functionality to aggregate all transport-related services, leveraging Atos experience in agile design

**Benefits delivered:**

- Automatically scalable mobile app
- Immediate worldwide presence
- Increased market profile
- Reduced application maintenance

### 4. Improving customer service with intelligent automation

**Customer**: National rail operator
**Challenge**: To provide better and faster virtual customer assistance
**Solution**: AI-driven automated email assistance via customer portal, leveraging Atos experience in agile development and process design

**Benefits delivered:**

- Improved customer relations and satisfaction
- Immediate response in 20% of cases (simple cases) and significantly faster response times for complex cases
- Administrator time saved for complex cases
- AI-driven support to administrators on complex cases

# "The future is bright if we're open to progress. Let's build the accelerators of your business together."



## Laurent Clergue
Director of Innovation,
Technology Services, Atos
laurent.clergue@atos.net

in

**Innovation has always been important to create new ideas and solve complicated problems.**

Technology is only a part of innovation, although it cannot be materialized without technology. Beyond technology, innovation requires a specific approach, including a particular methodology, foresight into the evolution and emergence of technologies, and most importantly, addressing our clients' challenges through a disruptive technological solution.

The most crucial aspect in creating innovative technology products is to have the ability to address unresolved issues faced by our clients at present.

Based on this observation, innovation must conceive and assemble the various components to solve the problem.

Innovation should be straightforward and efficient to achieve profitable results. It involves smartly assembling existing components and resorting to pure creation only when necessary. Innovation does not mean "inventing everything", but rather intelligently assembling and inventing sparingly to optimize implementation time and ensure a cost-effective investment.

## About Atos

Atos is a global leader in digital transformation with 107,000 employees and annual revenue of c. € 11 billion. European number one in cybersecurity, cloud and high-performance computing, the Group provides tailored end-to-end solutions for all industries in 69 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos is a SE (Societas Europaea), and listed on Euronext Paris.

The purpose of Atos is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

Find out more about us
atos.net
atos.net/career

Let's start a discussion together

## About Tech Foundations

Tech Foundations is the Atos Group business line leading in managed services, focusing on hybrid cloud infrastructure, employee experience and technology services, through decarbonized, automated and AI-enabled solutions. Its 52,000 employees advance what matters to the world's businesses, institutions and communities. It is present in 69 countries, with an annual revenue of € 6 billion.