BCO Network

BCO Network WEBseries

5G in Public Administration in Portugal

22 April 2025

Speakers:

Jose Borrego, ANACOM

Jose Fonseca, AMA

Luis Vilela, KPMG

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Save the date

BCO WEBseries

Measuring environmental Impact of Data Centres

Tuesday, April 29, 11:00 AM CEST

To register, please send your contact details to: **sofia.profico@broadbandeurope.eu**

Funded by the European Union

BCO Network

European Digital Connectivity Awards 2025

The application form and guide for applicants are available here

Deadline to apply: 2 June, 2025

Funded by the European Union

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Hosted by: HAKOM CROATIAN REGULATORY AUTHORITY FOR NETWORK INDUSTRIES

Register to
2025 BCO Network
In-country workshop

Zagreb, Croatia

11-12 June

Agenda available on Futurium

To register, please send your contact details to: **sofia.profico@broadbandeurope.eu**

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BCO Network

Save the date

2025 BCO Network **Annual Conference**

Brussels

Monday 6 October

Madou Plaza Tower

Address: Chaussee de Louvain 1, 1210, Brussels

To register, please send your contact details to: **sofia.profico@broadbandeurope.eu**

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5G

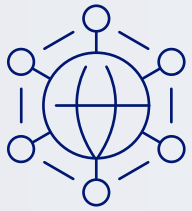
THE IMPACT OF 5G ON THE DIGITAL TRANSFORMATION OF PUBLIC ADMINISTRATION

ama


OPEN GOVERNMENT & CIVIC PARTICIPATION
DIGITAL POLICIES AND STRATEGY
SMART TERRITORIES
7 AREAS OF ACTION
ADMINISTRATIVE SIMPLIFICATION
DATA
DIGITAL TRANSFORMATION
PUBLIC SERVICES

1. AMA AND 5G IN PUBLIC ADMINISTRATION

Benefits

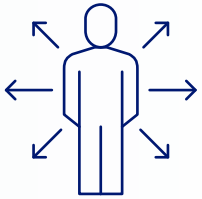


Modernization of Public Administration

1. Development of **new and innovative services** for citizens/businesses
2. Enhancement of **technological skills**
3. **Pioneering projects** with potentially **cross-cutting impact**

Increase in Operational Efficiency

1. Enhanced **system connectivity**
2. Reduction in **task execution time**
3. Optimization of **resource allocation**



Improvement of User Experience

1. Ubiquity of **access to services**
2. Increase in **territorial cohesion**
3. Greater **security and quality** in the use of services

1. AMA AND 5G IN PUBLIC ADMINISTRATION

Approach and Roadmap

July 22 – December 22

Benchmark

Study of industry trends and identification of 5G use cases applicable to Public Administration

PRR

Benchmark Report 5G Use Cases

Strategic Vision

Definition of the Vision, Pillars, and Lines of Action for the 5G Strategy in Public Administration

July 22 – June 23

October 23 - February 24

Identification of 5G Use Cases

Workshops with sectorial public entities and development of impact assessment tool

PRR

Impact Assessment Tool

Project Monitoring

Monitoring the implementation of use cases and tracking the impact

May 24 – December 25

PRR

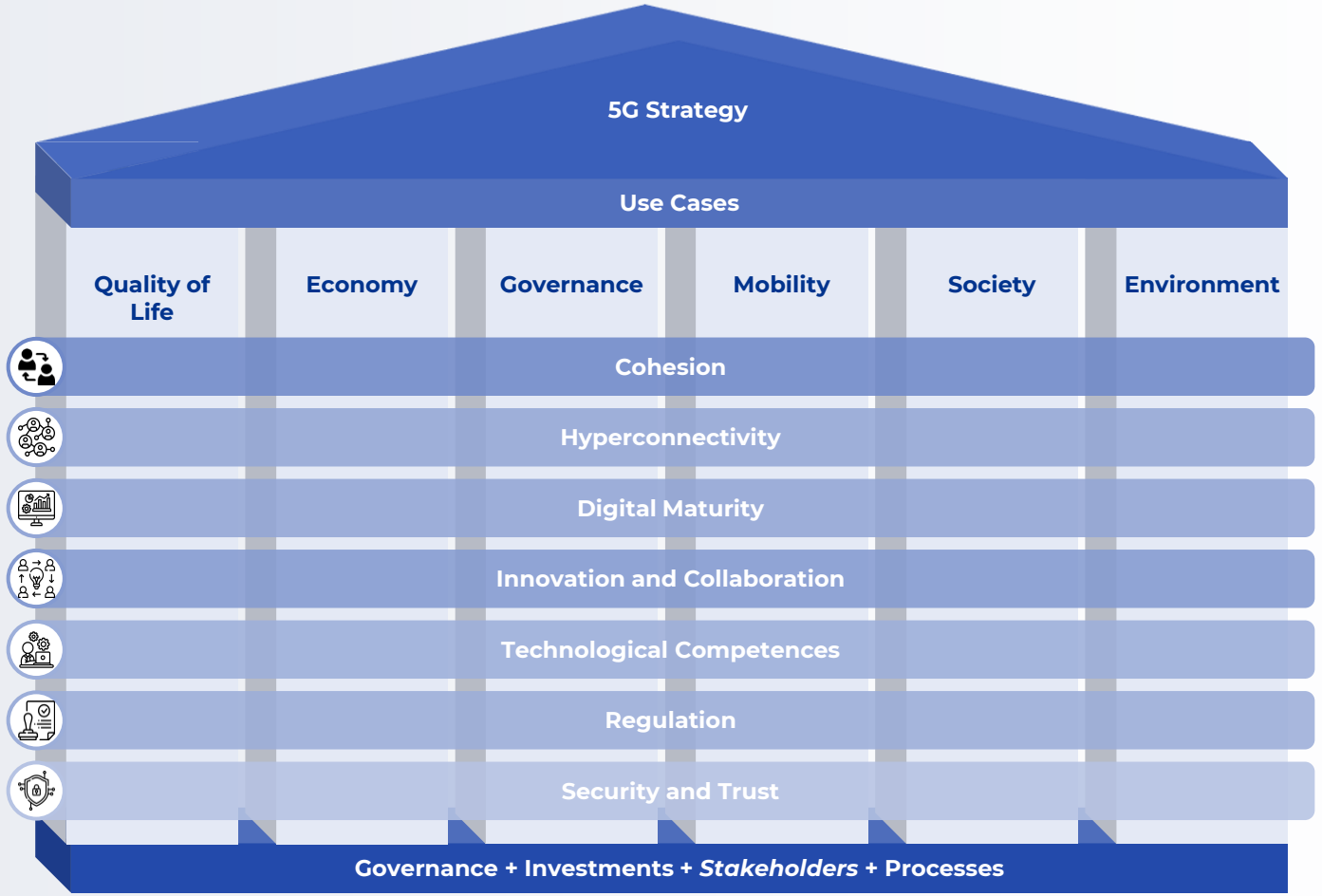
Impact Assessment Report

2. 5G Strategy Vision Proposal

5G in Public Administration

VISÃO

Provide new public services **supported by 5G and related technologies** that transform the way Public Administration operates and interacts with citizens and businesses, **accelerating cohesion, increasing efficiency and effectiveness,** enabling **intuitive and intelligent experiences, and ensuring security and trust.**



Legend

SMART FUNCTIONAL DOMAINS

STRATEGIC PILLARS

STRATEGY EXECUTION MODEL

ACTION PLAN

OBJECTIVES

- Increase Cohesion
- Accelerate Digital Transformation
- Promote Innovation
- Develop Technological Competencies
- Manage better
- Strengthen Economic and Social Development

3. IDENTIFICATION OF 5G USE CASES

Summary of Workshops

- 10 Weeks of Workshops
- +50 Hours of Interactions
- +150 Involved Participants

- 53 Entities across all Government Areas
- 21 Higher Education Institutions
- 12 Intermunicipal Entities

Realized Workshops

Public Entities

3. IDENTIFICATION OF 5G USE CASES

Summary of Workshops

- 10 Weeks of Workshops
- +50 Hours of Interactions
- +150 Involved Participants

- 53 Entities across all Government Areas
- 21 Higher Education Institutions
- 12 Intermunicipal Entities

27

Realized Workshops

86

Public Entities

3. IDENTIFICATION OF 5G USE CASES

Selection Process

Registered Use Cases

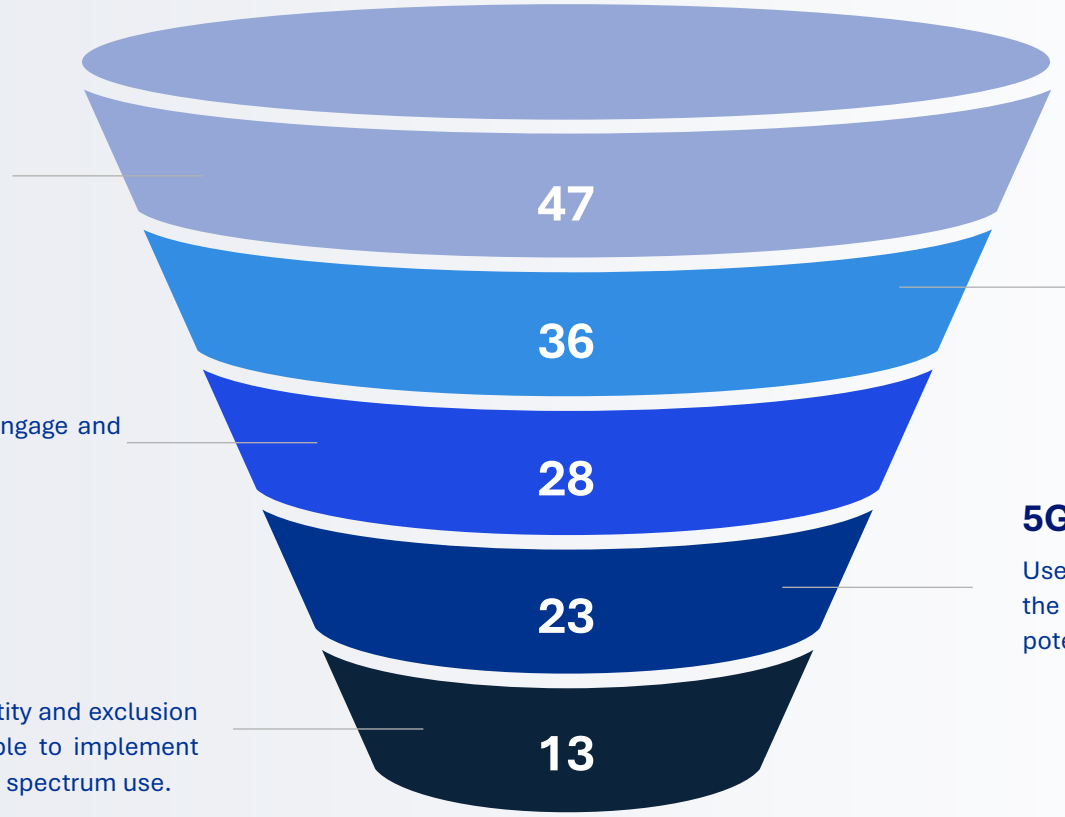
Registered following the 5G workshops in Public Administration.

Confirmed Use Cases

Use cases that owners confirmed interest in engage and have support from AMA and KPMG.

Selected Use Cases

Selection of only one use case per entity and exclusion of projects that would not be feasible to implement under the current regulation of private spectrum use.



Use Cases Pre-Selected in the Sessions

Use cases whose owners confirmed interest to proceed with AMA's involvement.

5G Potential Use Cases

Use cases that, after analysing the information gathered through the form and interest confirmation sessions, demonstrate potential for follow-up.

3. IDENTIFICATION OF 5G USE CASES

Use Cases under follow-up

National Defence	**Portuguese Army**	| Military Unit Security with 5G
	Military Judicial Police	| Crime Scene Examination and Aerial Surveillance
Education and Science	**Science and Technology Foundation**	| 5G eSIM Pilot in Higher Education Institutions
Local Government	**Tâmega and Sousa Intermunicipal Community**	| Inclusion Desk - Mobile Unit in Low-Density Areas
	Coimbra Intermunicipal Community	| 5G in On-Demand Flexible Public Transportation
	Viseu Dão Lafões Intermunicipal Community	| Assistance to Elderly People Using 5G
	Oeste Intermunicipal Community	| Sensoring and Connectivity in Municipal Water Management
Universities and Polytechnics	**Lisbon Nursing School**	| Simulation of Clinical Procedures with 5G Virtual Reality
	University of Évora	| Digital Transformation of Herdade da Mitra
	Polytechnic Institute of Viseu	| 5G Events on Campus
Justice	**National Institute of Legal Medicine and Forensic Sciences**	| Custody Chain Safeguard Platform
Youth and Modernization	**Agency for Administrative Modernization**	| Mobile Vans - Mobility Services
	Portuguese Institute of Sport and Youth	| Universal System for Active Living

4. 5G Military Unit Security

Portuguese Army

Military Unit Security with 5G

National Defense

Description

The Portuguese Army is deploying a **5G-enabled private network** at a military base to enhance surveillance. It supports high-definition **perimeter cameras and a drone equipped** with night vision and gas detection sensors. The drone operates remotely or autonomously, leveraging 5G's low latency and high bandwidth for real-time security and situational awareness.

Purpose of this Use Case

To enhance area monitoring using advanced technologies and **automated detection** for **improved security** and **situational awareness.**

Keywords

Drones

Surveillance

Secure Network

Main Beneficts:

- Enhanced **Security** with Real-Time Monitoring
- **Faster Detection** and Response to Incidents
- Accurate Data Supporting **Decision-Making**
- Automated **Drone Patrols** Increasing Efficiency
- Reliable Private Network Ensuring **Secure Operations**

Challenges:

- **Infrastructure** Deployment Complexity
- High Implementation **Costs**
- Ongoing Management and **Maintenance**

4. 5G VR for Clinical Simulations

Lisbon Nursing School

Simulation of Clinical Procedures with 5G Virtual Reality

Universities and Polytechnics

Description

This project leverages 5G-enabled **virtual reality (VR)** to provide nursing students with practical training in clinical procedures. Through **immersive simulation**, students gain hands-on experience in a controlled and realistic environment, enhancing their skills and preparedness for real-world clinical settings. The 5G technology ensures **low-latency, high-quality streaming of VR content**, enabling **real-time interactions** and feedback during training sessions.

Purpose of this Use Case

To enhance nursing education with realistic, hands-on **VR training powered by 5G**, improving **skill development** and **preparedness for clinical practice**.

Keywords

5G Virtual Reality

Skill Development

Safe Learning Environment

Main Beneficts:

- **Enhanced learning,** providing immersive and practical training
- **Low-latency 5G** enables instant feedback and dynamic sessions
- **Safe environment**
- Supports multiple users simultaneously, **accommodating larger groups**
- **Remote accessibility,** enabling training from anywhere with 5G connectivity

Challenges:

- Cost of **VR equipment and 5G infrastructure** implementation
- **Ongoing Maintenance**
- **User Adaptation**

4. 5G Self-Driving Innovation at Herdade da Mitra

University of Évora

Digital Transformation of Herdade da Mitra

Universities and Polytechnics

Description

This project aims to establish an **innovative infrastructure** supporting transdisciplinary approaches to developing **Immersive Reality (IR), Virtual Reality (VR)**, and **Augmented Reality (AR) tools**. These tools drive innovation in public services, particularly in education, professional training, and scientific research. The initiative includes:

Purpose of this Use Case

To advance digital innovation by integrating VR, AR, and **self-driving technologies** into education, training, and research, fostering **interactive** and **scalable learning experiences**.

Keywords

Virtual Reality

Education and Research

Digital Innovation

Main Beneficts:

- **Fostering innovation** by developing advanced tools for education and public services
- Simplifies the **creation of IR, VR, and AR content** with accessible software
- Strengthens **scientific research** through immersive simulations and tools
- Enhances **vocational training** with realistic, interactive scenarios
- Establishes a **robust digital ecosystem** at Herdade da Mitra

Challenges:

- **Significant resources needed** for infrastructure and software development
- **Adoption barriers**

4. 5G Custody Chain Platform for Forensic Sciences

National Institute of Legal Medicine and Forensic Sciences

Custody Chain Safeguard Platform

Justice

Description

The National Institute of Legal Medicine and Forensic Sciences is developing a **5G-enabled platform** to ensure secure and real-time traceability of the custody chain. It manages **participant data, sample conditions, geolocation**, and **operational images,** leveraging high-speed, low-latency 5G for reliable monitoring and data exchange..

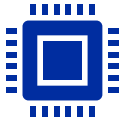
Purpose of this Use Case

To enhance **forensic investigations** by ensuring secure, transparent, and real-time tracking of evidence custody, improving accuracy, accountability, and trust in legal processes.

Keywords

Mobility

Automation



Smart Sensors

Main Beneficts:

- **Real-Time Monitoring** for Custody Transparency
- High-Speed Transmission of **Critical Data**
- Enhanced Security for **Sensitive Forensic Information**
- Operational Efficiency Through **Process Automation**
- **Scalable Connectivity** for Diverse Forensic Scenarios

Challenges:

- Ensuring 5G **Coverage in Remote Locations**
- Integration with **Legacy Forensic Systems**

5. 5G PROJECT MONITORING

Impact Evaluation Model

Inputs:

Use Case *Owner*

Monitoring Form

Use Case Tracking Database

Categories:

Direct Beneficiaries
- Citizens and Business
- Public Administration (Gov)

Cohesion
- Territorial Cohesion
- Accessibility

Digital Transformation
- Connectivity
- Data and Interoperability

Innovation and Collaboration
- Synergies
- Initiatives

Compliance and Security
- Legal Framework and Regulation
- Security

Investment and Savings
- Investment
- Savings

Impact Scale:

1 Insignificant — 2 Low — 3 Medium — 4 High — 5 Very High

Outputs:

Quantitative Analysis of Categories, Dimensions and Indicators

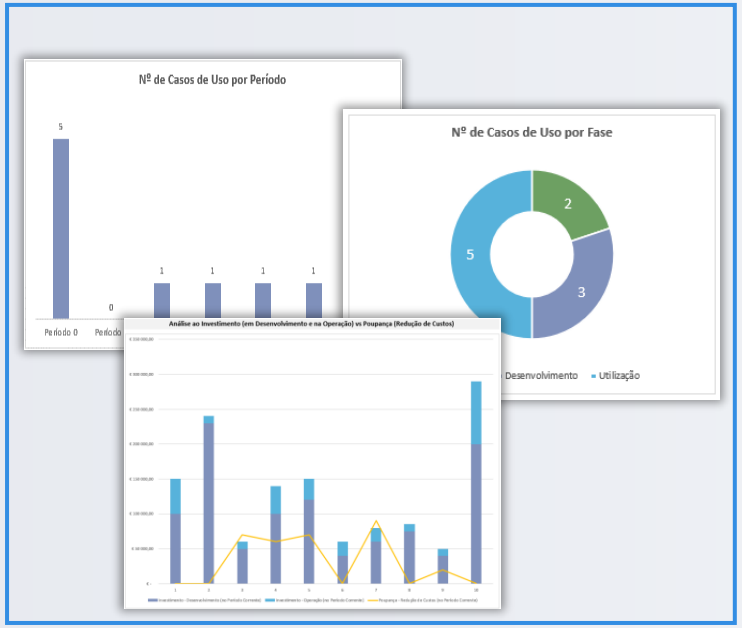
Qualitative Analysis and Report Inputs

Monitoring Dashboard and Global Monitoring

5. 5G PROJECT MONITORING

Model Dashboards

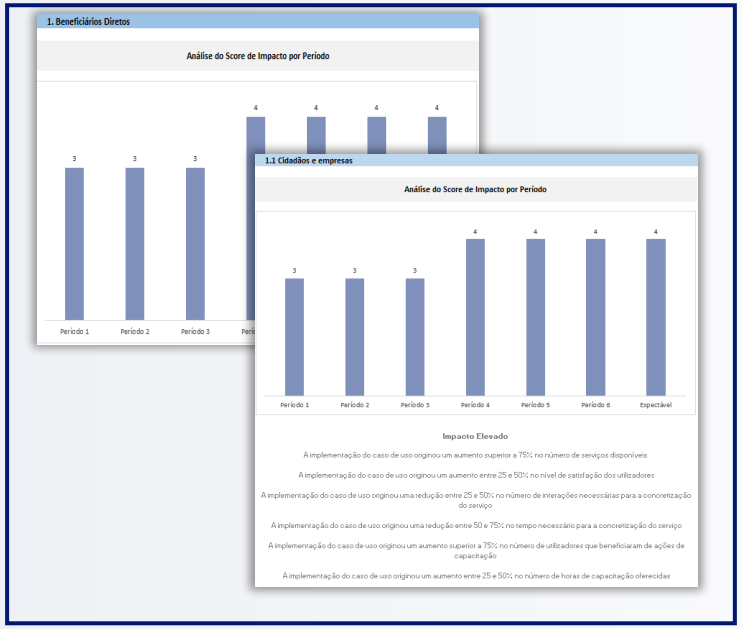
General Dashboard for Monitoring Use Cases



Non-exhaustive

- Life cycle
- Impact
- Investment and Savings

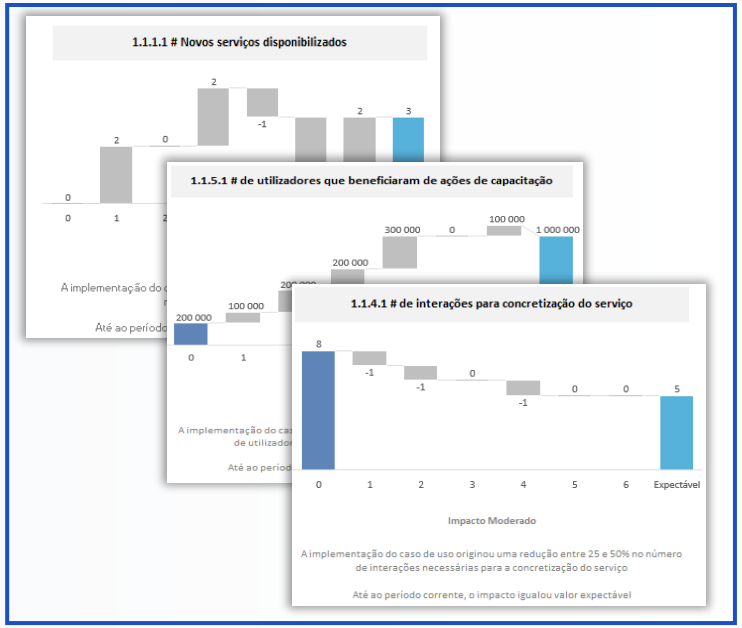
Impact Score by Dimensions and Categories



Non-exhaustive

- Direct Beneficiaries
  - Citizens and Businesses
  - Public Administration (Government)

Variations in Absolute Value by Indicator



Non-exhaustive

- Number of new services made available
- User satisfaction
- Number of service users

5. Project Team

Support team for monitoring use cases

Project Management – AMA Team

Ana Pio

Project Manager

Head of the Policy and Digital Government Team at AMA with over 20 years of experience in public modernization and skills development in technology.

José Luís Fonseca

Project Manager

Project Manager at AMA with over 15 years of experience in public modernization, digital transformation, and management. Previously served as Head of Financial Services at the Ministry of National Defense.

Project Support – KPMG Team

Hugo Nunes

Director

With over 20 years of experience in public sector transformation journeys, this professional is responsible for developing this practice at KPMG.

Luís Vilela

Senior Manager | Telco CoE

Senior Manager at KPMG in the Corporate and Public Sector area, leading the Telco CoE, with over 16 years of experience.

Cândido Lopes

Senior Advisor | Telco CoE

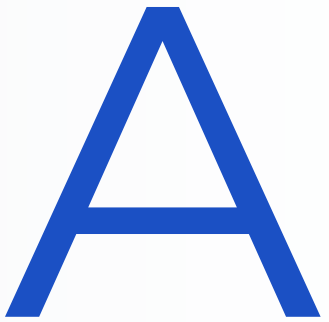
Senior Advisor at KPMG in the Corporate and Public Sector area, specializing in Telecommunications and Technology.

Marta Amorim

Advisor

Advisor at KPMG in the Corporate and Public Sector area, specializing in digital transformation.

APPENDICES



A1. DETAILED USE CASES

Military Judicial Police

Crime Scene Examination and Aerial Surveillance

National Defense

Description

This project proposes the use of professional **drones equipped with high-resolution cameras** and sensors by the Military Judiciary Police (PJM) for **real-time collection of detailed data** and **imagery in crime scenes, surveillance operations, and evidence searches**.

The system enables **live streaming** for evidence detection and continuous monitoring while **minimizing risks of contamination in hazardous environments** or **direct confrontations.**

The initiative includes establishing a **mobile command post** and **acquiring/developing two drones equipped with navigation systems**, **high-resolution cameras, 3D sensors (LiDAR),** and thermal and infrared cameras. The drones will enable immediate streaming to the mobile post, enhancing analysis and operational decision-making.

Keywords

Drones

Aerial Surveillance

Crime Scene Investigation

Main Beneficts:

- Captures **high-quality data** and **imagery in real-time**
- **Improved Operational Safety**
- Facilitates **immediate streaming** and **faster decision-making**
- **Reduces time** and **resources** needed for manual inspections
- Advanced **Technology Integration**

Challenges:

- **High Equipment Costs**
- Personnel need **specialized training** to operate drones and analyze data
- **Operational challenges**

A2. DETAILED USE CASES

Science and Technology Foundation

5G Data eSIM Experimentation Pilot

Education and Science

Description

This project involves **conducting a pilot** to validate **the use of eSIMs for mobile data connectivity**, particularly utilizing 5G networks. Initially focused on academic and research communities, the project aims to explore the potential of eSIM technology to enhance operational capabilities in secure and **high-performance environments**, such as those required by the Science and Technology Foundation.

Additionally, the pilot seeks to validate the possibility **of integrating these eSIMs with an address from the ministerial network (RCTS),** enabling them to function as an extension of this network.

This effort will assess the **feasibility, performance, and security of eSIMs** for critical communication infrastructures, supporting the specific demands of military and judicial operations.

Keywords

eSIM Technology

5G Connectivity

Secure Communication

Main Beneficts:

- **Seamless 5G Connectivity,** high-speed communication for critical operations
- **Secure integration** with the ministerial network (RCTS)
- No need for physical SIMs, **lowering logistics and replacement costs**
- **Real-time access to AI tools**, surveillance, and remote operations

Challenges:

- **Integration** with the existing systems
- **Operational Adoption** and **Scalability**
- Protecting **sensitive information** in a 5G-enabled environment

A3. DETAILED USE CASES

Tâmega and Sousa Intermunicipal Community

Inclusion Desk - Mobile Unit in Low-Density Areas

Local Government

Description

Despite ongoing efforts through public policies aimed at **expanding access to social and proximity services**, certain territories still face a continuous cycle of demographic recession, depopulation, and aging.

These **factors negatively impact socio-economic conditions**, particularly in areas with fewer services and populations struggling to access services electronically or digitally.

To address this, the **project proposes the creation of a mobile unit—an Inclusion Desk**—that will bring services directly to **vulnerable and isolated populations in the Tâmega and Sousa** region. This initiative will enhance service accessibility, promoting **proximity and ensuring equal access to essential services** for communities facing demographic challenges.

Keywords

Mobile Unit

Digital Inclusion

Vulnerable Populations

Main Beneficts:

- **Improved Service Accessibility** bringing services directly to remote and vulnerable populations
- Ensures **equal access to social services**
- Targets areas with **demographic and socio-economic vulnerabilities**
- Facilitates **access to digital services** for populations with limited electronic access

Challenges:

- Ensuring **reliable connectivity and the integration of digital services** in remote areas
- Securing **long-term funding and resources**

A4. DETAILED USE CASES

Coimbra Intermunicipal Community

5G in On-Demand Flexible Public Transportation

Local Government

Description

The public transportation system has struggled to meet the **mobility needs of the population**, particularly in rural areas of the Coimbra Intermunicipal Community (CIM). In response, a flexible transportation system has been introduced in **18 municipalities within the region.**

This system provides **on-demand public transport** in **areas lacking service or where it is insufficient**, using taxi operators to fulfill the service. CIM covers the cost of the service, and passengers pay only the equivalent of a bus ticket. Currently, the service relies on paper tickets, with no digital ticketing or efficient management system.

This project aims to **implement a digitized and simplified ticketing system**, improving both **operator and user experience**, while also enabling **automatic data collection** on ticket sales for better oversight and management.

Keywords

Demand Transport

5G Connectivity

Rural Mobility

Main Beneficts:

- **Improved Mobility** addressing transportation gaps in rural areas
- **Cost efficiency**, reducing financial burden on passengers
- **Digital automated system** to streamline ticketing process
- Automatically **collects data** on ticket sales
- **On-demand transport** tailored to the specific needs of passengers

Challenges:

- **Integration** with **Existing Systems**
- Ensuring reliable **5G connectivity** for digital systems in **rural areas**
- **User Adoption** new ticketing system

A5. DETAILED USE CASES

Viseu Dão Lafões Intermunicipal Community

Assistance to Elderly People Using 5G

Local Government

Description

The Viseu Dão Lafões region, characterized by **low population density** and an **aging demographic**, faces numerous **social challenges**, including **limited access to healthcare services**, **social isolation**, and difficulties in **accessing support services** for elderly residents. 5G technology offers transformative solutions to address these issues by providing innovative, personalized support to aging populations in rural areas.

Proposed initiatives include **remote health monitoring**, **in-home monitoring**, **video communication, access to remote healthcare services, and management of health treatments**. These services will improve the quality of life for the elderly, fostering better healthcare access and reducing social isolation.

Keywords

Elderly Assistance

5G Healthcare

Remote Health Monitoring

Main Beneficts:

- **Improved healthcare access** enabling remoth health monitoring
- **Reduces isolation** through video communication
- Tailored healthcare solutions based on **real-time data**
- Facilitates **aging in place** by monitoring **health and safety**
- **Efficient health management** simplifying health treatment management and coordination via digital tools

Challenges:

- Ensuring **reliable 5G connectivity** in remote, **low-density areas**
- **Safeguarding sensitive health information** while ensuring secure communication

A6. DETAILED USE CASES

Oeste Intermunicipal Community

Sensoring and Connectivity in Municipal Water Management

Local Government

Description

This pilot project focuses on analyzing and evaluating a **municipality's water distribution network using 5G-enabled sensors and communication devices**. The system continuously collects data from selected points to assess and classify water efficiency, aiming to promote responsible water usage.

The water performance classification in the **region guides the adoption of best practices** and technologies that enhance water efficiency. To ensure data security, a **5G Access Point Name (APN) similar to a Virtual Private Network (VPN)** is used, directing data from sensors to a virtual machine, potentially in a DMZ, which acts as a data concentrator and gateway to the FTPS (File Transfer Protocol Secure) of the water monitoring system. The system collects data every 5 minutes, with the goal of providing **1,440 daily measurements per sensor** to enable predictive analytics and the identification of abnormal conditions.

Keywords

Data Security

5G Sensoring

Sustainability

Main Beneficts:

- **Enhanced Water Management** by real-time data collection for better monitoring and optimization of water use
- Promotes water conservation through **efficient management and technology adoption**
- **Reduces operational costs** by identifying inefficiencies
- Provides **highly accurate measurements** for better decision-making

Challenges:

- Ensuring the **new system integrates smoothly** with existing water infrastructure
- Requiring **specialized knowledge** for system maintenance

A7. DETAILED USE CASES

University of Évora

Digital Transformation of Herdade da Mitra

Universities and Polytechnics

Description

This project aims to establish an **innovative infrastructure** supporting transdisciplinary approaches to developing **Immersive Reality (IR), Virtual Reality (VR)**, and **Augmented Reality (AR) tools**. These tools drive innovation in public services, particularly in education, professional training, and scientific research. The initiative includes:

Digital Innovation Laboratory (LID): A space equipped with **specialized hardware** and software to develop IR, VR, and AR content, leveraging the expertise and resources of the University of Évora.

Custom Scene Builder Platform: A **user-friendly platform** for creating **virtual content, built collaboratively** with primary, secondary, and higher education teachers. The platform includes a growing 3D content library to support diverse educational needs.

Keywords

Virtual Reality

Education and Research

Digital Innovation

Main Beneficts:

- **Fostering innovation** by developing advanced tools for education and public services
- Simplifies the **creation of IR, VR, and AR content** with accessible software
- Strengthens **scientific research** through immersive simulations and tools
- Enhances **vocational training** with realistic, interactive scenarios
- Establishes a **robust digital ecosystem** at Herdade da Mitra

Challenges:

- **Significant resources needed** for infrastructure and software development
- **Adoption barriers**

A8. DETAILED USE CASES

Polytechnic Institute of Viseu

5G Events on Campus

Universities and Polytechnics

Description

This project aims to enhance the experience of events hosted on campus by leveraging 5G technology to **create on-demand, localized networks without overburdening existing infrastructure.** These networks will provide **integrated services tailored to the needs of various participants**, offering immersive and engaging experiences.

The solution ensures a **high Quality of Service (QoS),** including **low latency and high availability,** for large audiences with different user profiles (organizers, administrators, speakers, students, faculty, alumni, and the general public). Features include **real-time translation, transcription, accessibility services like sign language interpretation**, and location-based guidance, making events more inclusive and seamless for all attendees.

Keywords

5G Technology

Immersive Events

Real-Time Translation

Main Beneficts:

- **Provides immersive and engaging experiences** for participants
- Ensures **reliable network performance** for diverse user profiles
- Creates **localized networks** that adapt dynamically to event requirements
- Prevents **overloading existing** infrastructure during large events
- Promotes **accessibility for individuals with disabilities**

Challenges:

- **Requires training for staff and organizers** to use 5G-enabled systems effectively
- **Network Reliability**

A9. DETAILED USE CASES

National Institute of Legal Medicine and Forensic Sciences

Custody Chain Safeguard Platform

Justice

Description

The project, led by the National Institute of Legal Medicine and Forensic Sciences, leverages 5G technology to establish a robust platform for safeguarding the chain of custody.

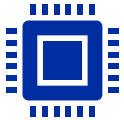
The platform ensures the traceability of custody processes by collecting and managing critical data such as participant information, sample temperatures, geolocation, and operational images captured by cameras.

The integration of 5G provides high-speed data transmission, low latency, and reliable connectivity, enabling real-time monitoring and secure data exchange. This ensures the integrity and transparency of the chain of custody, essential for forensic investigations, while also enhancing the precision and accountability of operations.

Keywords

Mobility

Automation



Smart Sensors

Main Beneficts:

- **Real-Time Monitoring** for Custody Transparency
- High-Speed Transmission of **Critical Data**
- Enhanced Security for **Sensitive Forensic Information**
- Operational Efficiency Through **Process Automation**
- **Scalable Connectivity** for Diverse Forensic Scenarios

Challenges:

- Ensuring 5G **Coverage in Remote Locations**
- Integration with **Legacy Forensic Systems**

A10. DETAILED USE CASES

Agency for Administrative Modernization

Mobile Vans - Mobility Services

Youth and Modernization

Description

The Mobile Citizen Shops initiative aims to extend the reach of public services, typically provided at fixed Citizen Shops, to remote areas of Portugal. These shops aggregate various services, such as Social Security, Finance, Civil Registry, and other essential services like energy and postal services. These services are generally available at fixed service counters.

With the integration of 5G technology, this case of use introduces mobile units (vans) that will travel to more isolated regions, providing the same range of services through advanced connectivity. The high bandwidth, low latency, and reliability of 5G enable real-time data exchange and efficient service delivery.

By leveraging 5G, the initiative ensures equal access to essential public services, promotes territorial cohesion, and reduces regional inequalities, bringing the convenience of the Citizen Shop experience to underserved areas.

Keywords

Mobility

Territorial Cohesion

Inclusivity

Main Beneficts:

- **Equal Access** to Public Services
- **Faster Service** Delivery with Low Latency
- Extended **Connectivity to Remote Areas**
- Enhanced Security for **Citizen Data**
- Promotes **Territorial Cohesion** and Inclusivity
- **Real-Time Data Processing** and Updates

Challenges:

- 5G Infrastructure **Deployment in Remote Areas**
- Operational **Logistics of Mobile Units**

A11. DETAILED USE CASES

Portuguese Institute of Sport and Youth

Universal System for Active Living (SUAVA)

Youth and Modernization

Description

SUAVA is an innovative initiative designed to promote active societies through the power of 5G technology. The project focuses on encouraging physical activity, with features tailored to activities such as running, swimming, and cycling, helping users adopt a more active lifestyle.

The SUAVA mobile app leverages 5G's ultra-low latency and high bandwidth to provide real-time tracking, route analysis, and gamification. Users can track their progress, earn rewards, and engage in an interactive experience. The app also includes a social feed, allowing users to share their achievements and experiences with friends, fostering a sense of community and friendly competition.

By utilizing 5G technology, SUAVA creates an engaging platform that promotes physical activity across various settings-family, community, workplace, and sports-while contributing to a healthier, more active society.

Keywords

Physical Activities

Gamification

Connected Community

Main Beneficts:

- **Real-Time Data** Processing
- Wider Coverage for **Broader Accessibility**
- Advanced **Personalization** with 5G Connectivity
- **Immersive** Experiences through 5G Technology
- Enhanced **Social Interaction** via 5G Network

Challenges:

- 5G Infrastructure **Deployment in Remote Areas**
- **User Adaptation** to 5G Technology

AGÊNCIA PARA A MODERNIZAÇÃO ADMINISTRATIVA

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