

# Connectivity without borders for a mobile future



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# Origin of the Project and Objectives

Framed within the **Digital Transformation Strategy of the Madrid City Council**



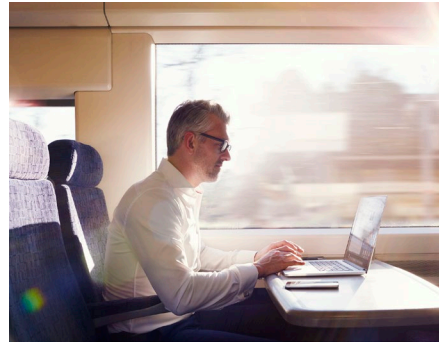
Strategic objective 1. **Digital services for people**

Strategic axis 2. **Technology focused on making people's lives easier**

Programme 3. **Digital transformation of municipal and city services**



# Starting point: Needs



## Increased mobility and security

- Telework
- Evolution towards mobility



## High-capacity mobile connectivity

- Increased data traffic
- X2 010 calls



## State-of-the-art connections

- Cloud services
- New technologies such as 5G



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## Transforming the Work and Communications Environment

### WORK REVOLUTION

Ensuring fast and secure access to all necessary information at any time and from anywhere.

### IMPROVING THE QUALITY OF PUBLIC SERVICES

Improved citizen interactions providing more information for decision making.



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# Work revolution

- 1 Better mobility and teleworking experience
- 2 The only platform that integrates all services: mobility, teleworking and collaboration
- 3 Improved cybersecurity for devices with management, control of use and maintenance.





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# Improving the quality of public services

- 1** Implementing improvements in communication with employees and citizens (RCS)
- 2** Satellite communications for emergency situations.
- 3** Smart Data: a more efficient, safer and more liveable Madrid.







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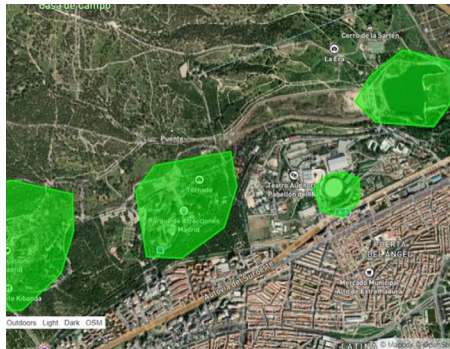
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## Smart Data: A more efficient, safe and liveable Madrid

Reports that will enable **better planning and decision making through data analysis** to understand population dynamics, visitors and their mobility.

# Future Smart Data projects in Madrid



## Casa de Campo

A distinction will be made between the Zoo, the Amusement Park, the multi-purpose pavilion Madrid ARENA together with its adjoining area with the lake and jetty



## Matadero

The Matadero municipal area, including a traffic control point in Pº de la Chopera



## Plaza de España and Gran Vía

Although contiguous, they constitute two separate analysis spaces. We also include a traffic control point on Gran Vía.



## Palacio Real

It includes the Palacio Real and its gardens, as well as the Almudena Cathedral





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## Multi-operator public/private 5G network



### IoT Solutions

- Mass IoT
- Tailor-made service level
- Instantaneous: ultra low latency



### LAN/WAN setup

- Workstation
- Unlimited internal data
- Privacy
- Safety
- Mobility



### Mission critical and security

- Slicing (San Isidro pilot)
- Push to talk
- Incident detection



### Customer connectivity

- Long-term leasing/leasing
- Operator independent