

\Orchestrating a brighter world

NEC



Smart Cities Solutions Portfolio

Smart Cities and Smart IT Global Competence Center



Telefonica



Team with more than 10 years of experience developing large projects of Digital Transformation

ncbs – NEC Cloud Brokerage Suite

Functionalities

Complete software suite to enable service brokerage:



Administration portal for telecom operator



Sales Portal for sales persons in telecom operator



User management



Catalogue management



Product life-cycle management



Billing (rating or billing code transfer)



Service orchestrator for bundle services



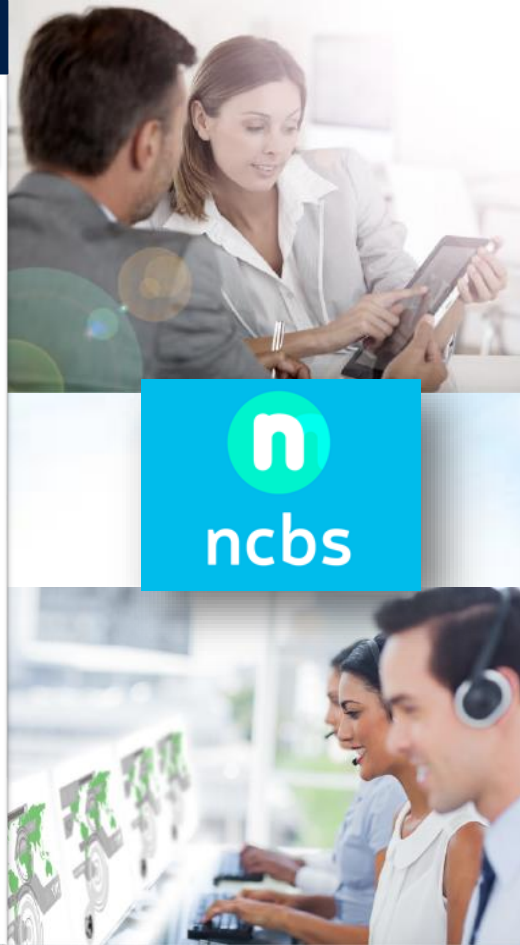
Apps technical integration (through Standard APIs)



Real time provisioning



Single-Sign-on



Benefits



Have E-commerce cloud marketplace with own URL and branding where customers can buy



Create your own catalogue of cloud services: reuse services already integrated into ncbs, "Onboard" new cloud services or your own services.



Customers can manage their subscription on your self-care portal



Charge to your customers



Bundle a cloud service with telco service

Applications (Cloud Ecosystem)

Broad Portfolio with more than 100 applications. See the catalogue:

<https://www.neccloudpartner.com/App-Catalogue>



Telecom Customers

ncbs as a proven brokerage platform selected by 25+ telecom operators.



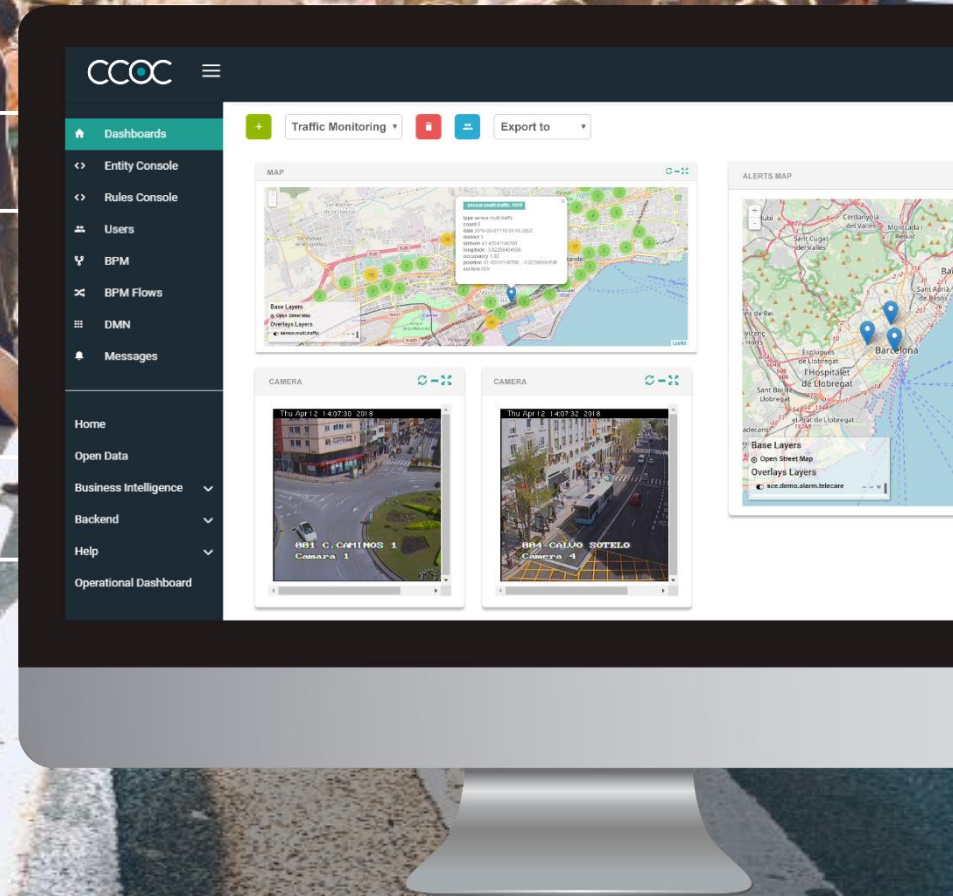
Cloud City Operations Center (CCOC)

Make effective decisions based on intelligent data.

Create a horizontal single and real time view of a city status and growth.

Rapidly create a new smart service using data and the common functionalities of the platform.

Contribute to local communities and the economy by enabling private companies and citizens to utilize data.



NEC **Cloud City Operations center (CCOC)** is an integrated Solution that allows any operator to truly manage, understand and automate responses to the data collected across any cyber physical system.



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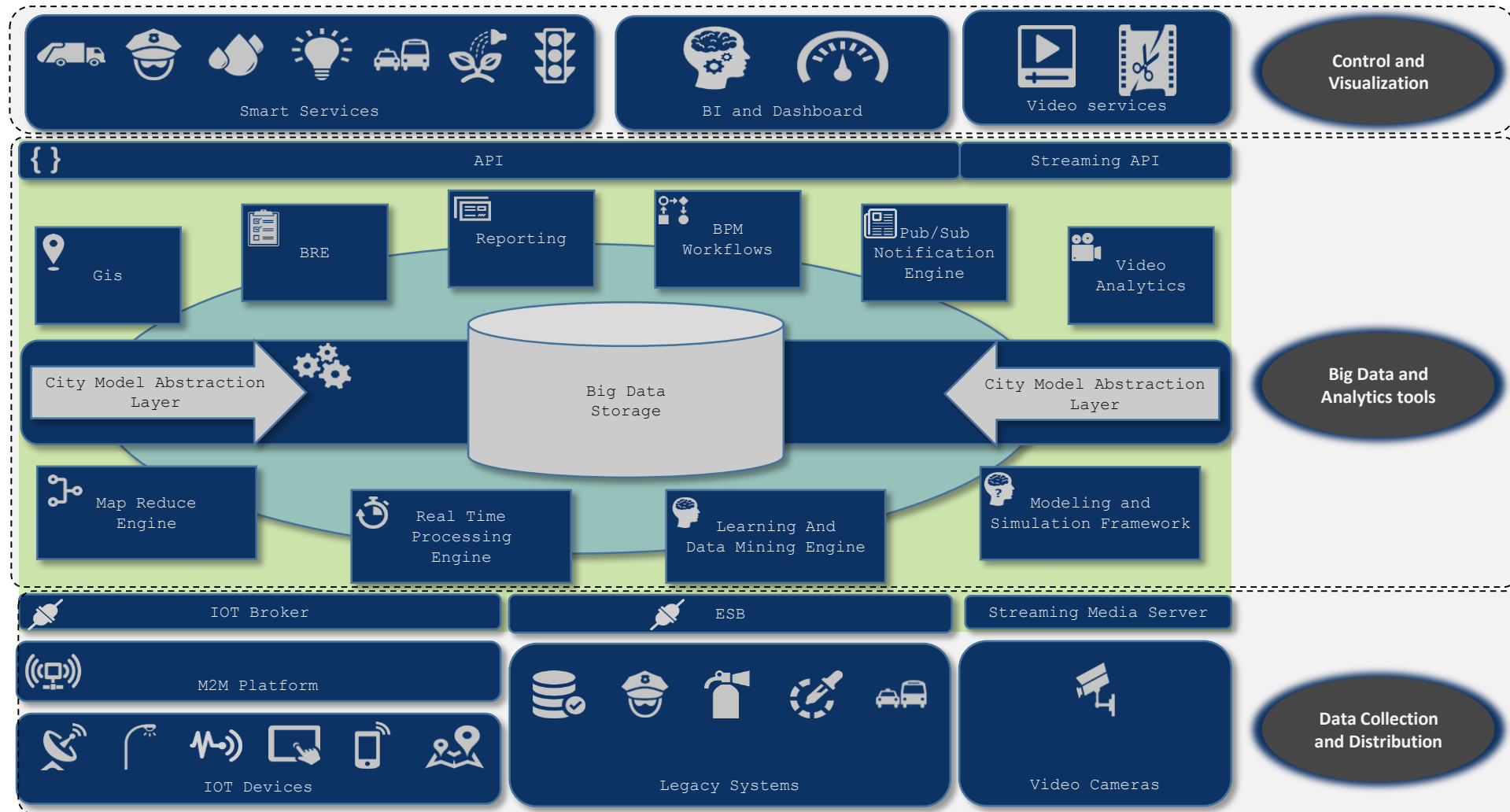
Cutting-edge technology platform in the global digital ecosystem

- Platform based on the FIWARE Digital Ecosystem, promoted by the European Commission.
- Open, free and standards-based architecture → Avoids vendor-lock-in.

Main characteristics

- Horizontal and Holistic Vision
- Performance
- Evolvable and Modular
- Catalyst for Innovation and Transparency
- Interoperability
- Robustness, Resilience and Scalability
- Open
- New business models based on data

City Platform: Cloud City Operations Centre



FI-WARE is a european initiative enabling the right framework for the creation of innovative developments, that facilitate the use of platforms and applications at a lower cost and at a City scale.



CCOC – Cloud City Operations Center

Smart Santander

- **14** integrated and managed public services
- Contract management and SLA monitoring
- Technical Office of Management and Implementation



CCOC – Cloud City Operations Center

Smart Waste Management Santander (ASCAN)

- Waste Management Solution
- Optimization of Collection Routes and Intervals
- Inventory of assets (containers, trucks, workers...)



 **CCOC** – Cloud City Operations Center

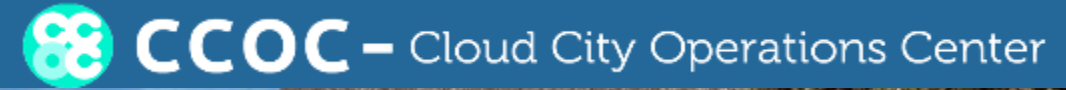
Lisboa Smart City Platform

- **>16.000** sensors
- **200** video surveillance cameras
- Integration of **40** external sources of information



Bristol Operation Center

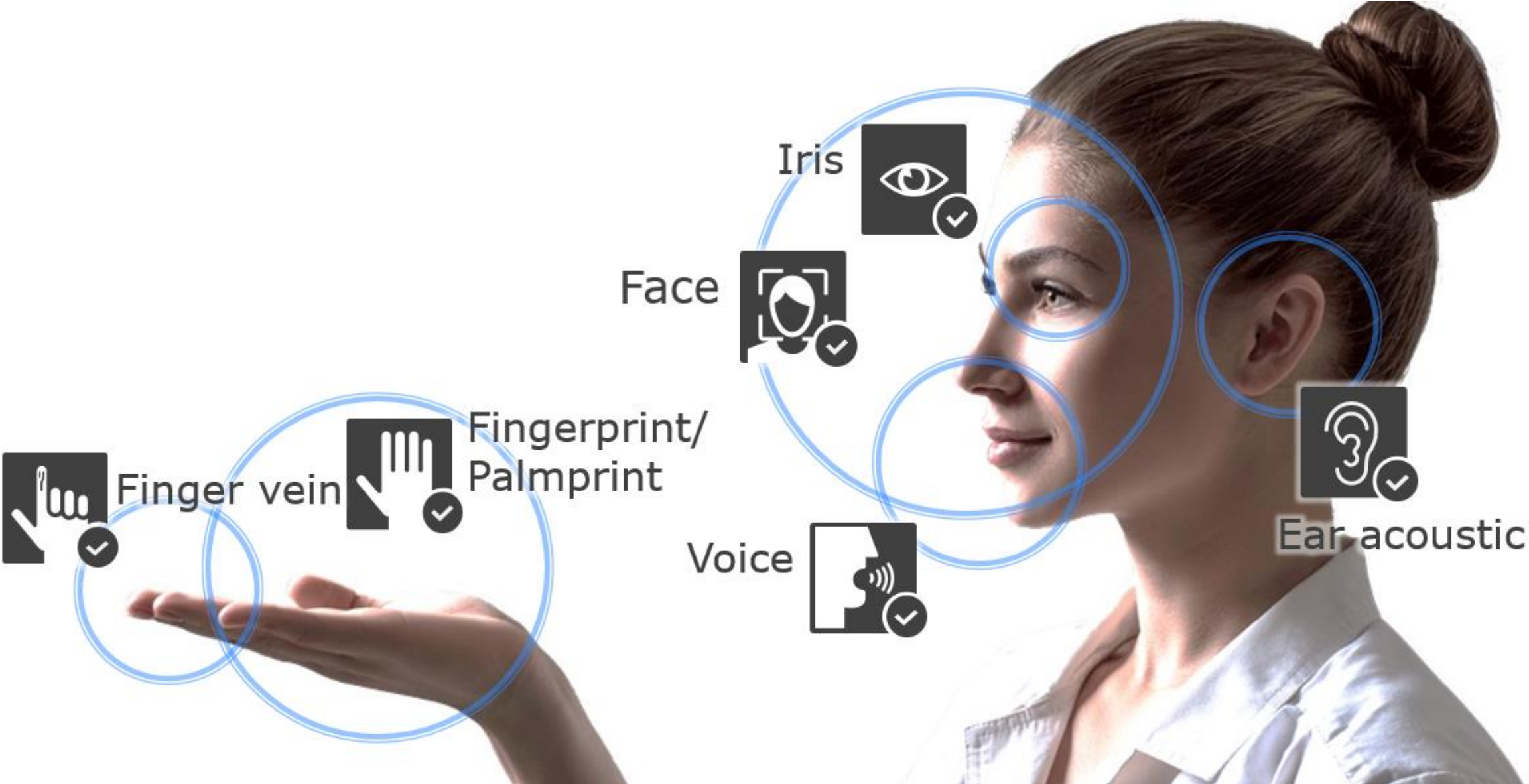
- Holistic vision of the City
- Help and support for decision making
- Starting point to offer other value-added services (traffic, incident management, tele-assistance to the elderly, etc.).

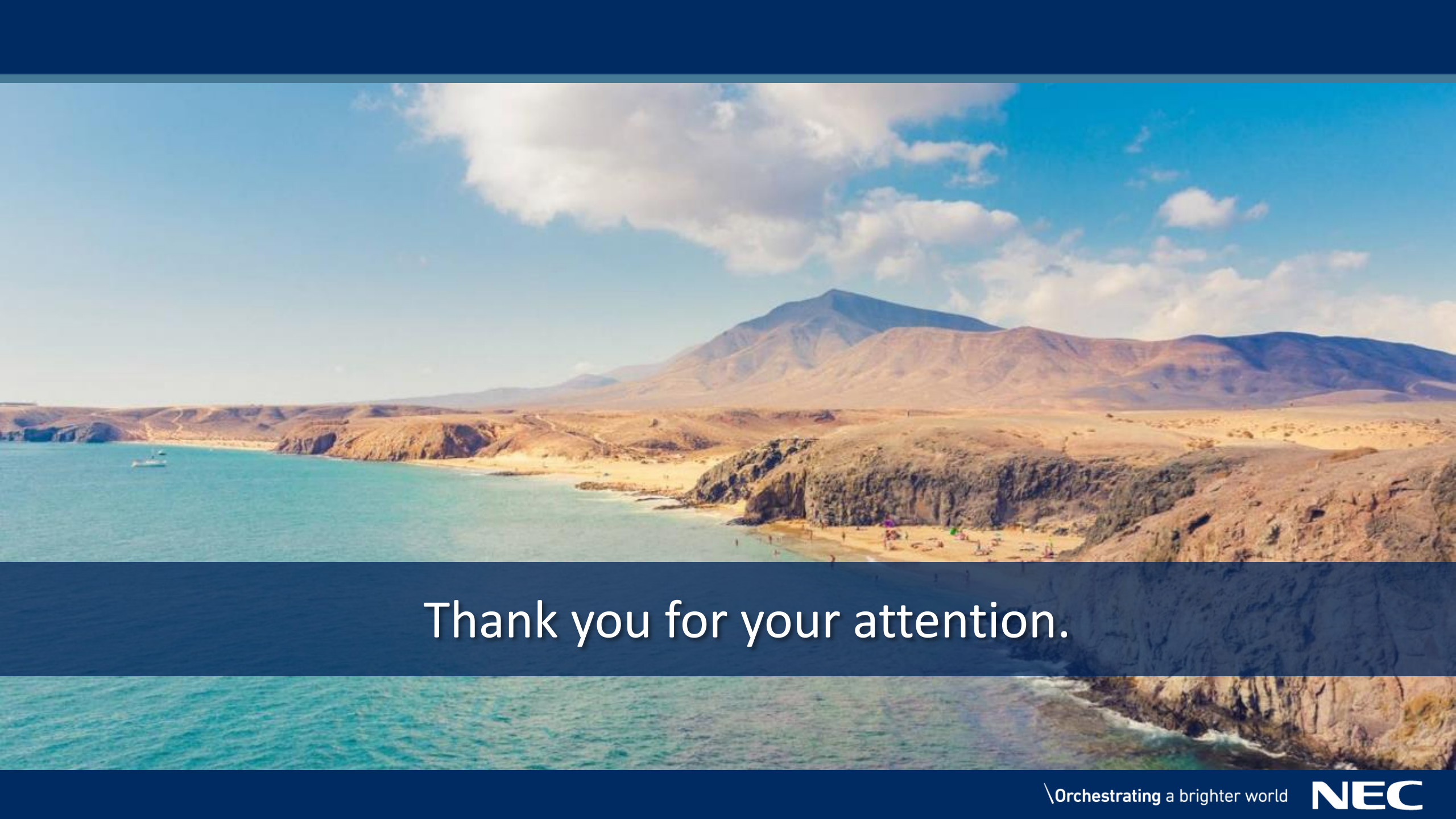


Provincial Council of Córdoba

- Intelligent platform multi-entity that provides service to the different municipalities of the province.
- Analítica y optimización de servicios, gestión de planes de actuación, gestión de activos, datos abiertos y participación ciudadana.
- Sensors for remote management and optimization of energy, waste collection and the water cycle.

NEC's biometric authentication solutions





Thank you for your attention.