UPU Postal Technology Centre showcase

World Leaders forum 2022

1. Postal Technology Centre
2. Big Data
3. EAD Compliance
4. Innovation and digital readiness

1. **Postal Technology Centre**
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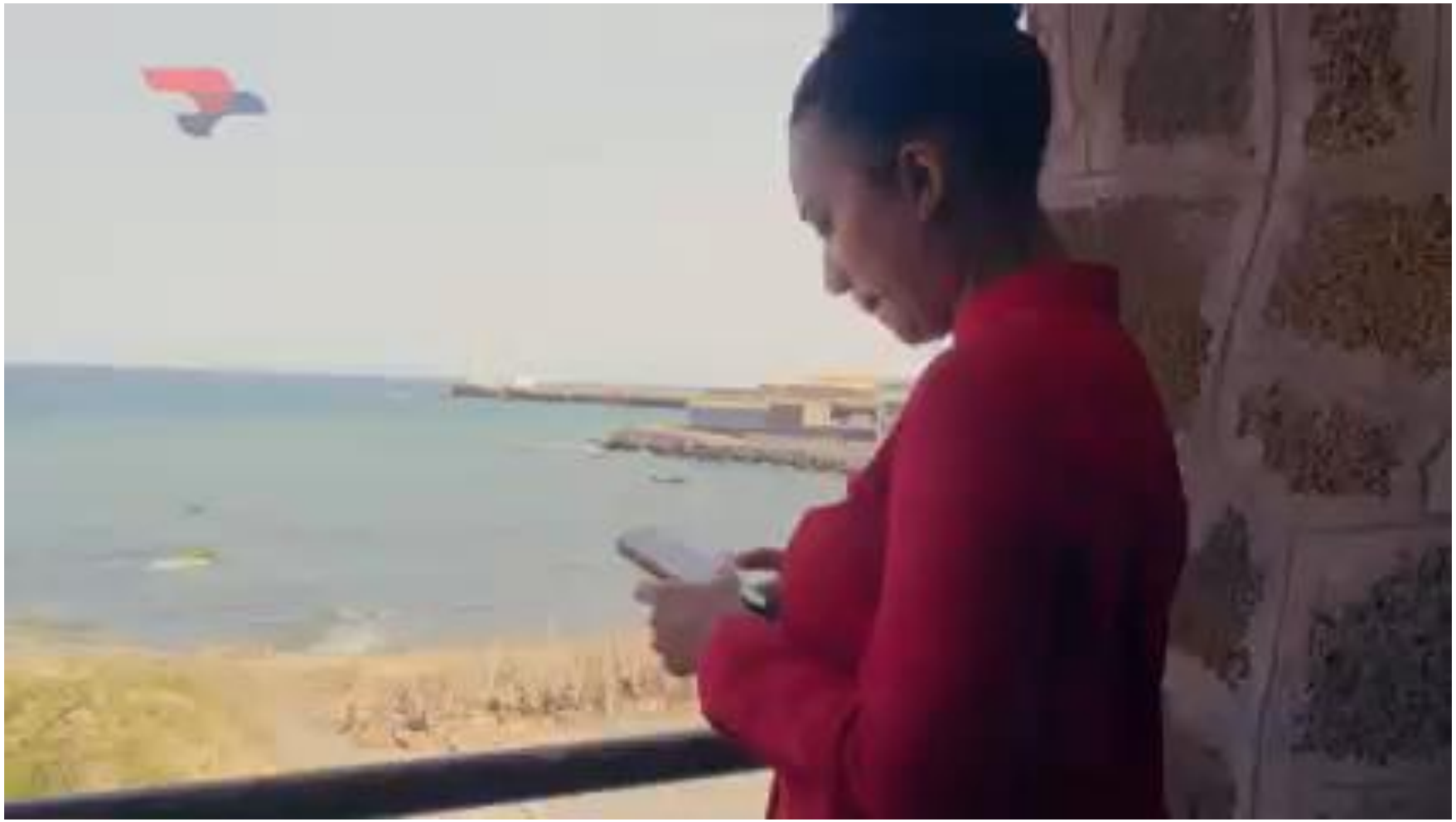
Postal Technology Centre

The UPU’s Postal Technology Centre provides technologies used by most of the postal operators worldwide, and covering all segments of the international postal supply chain.

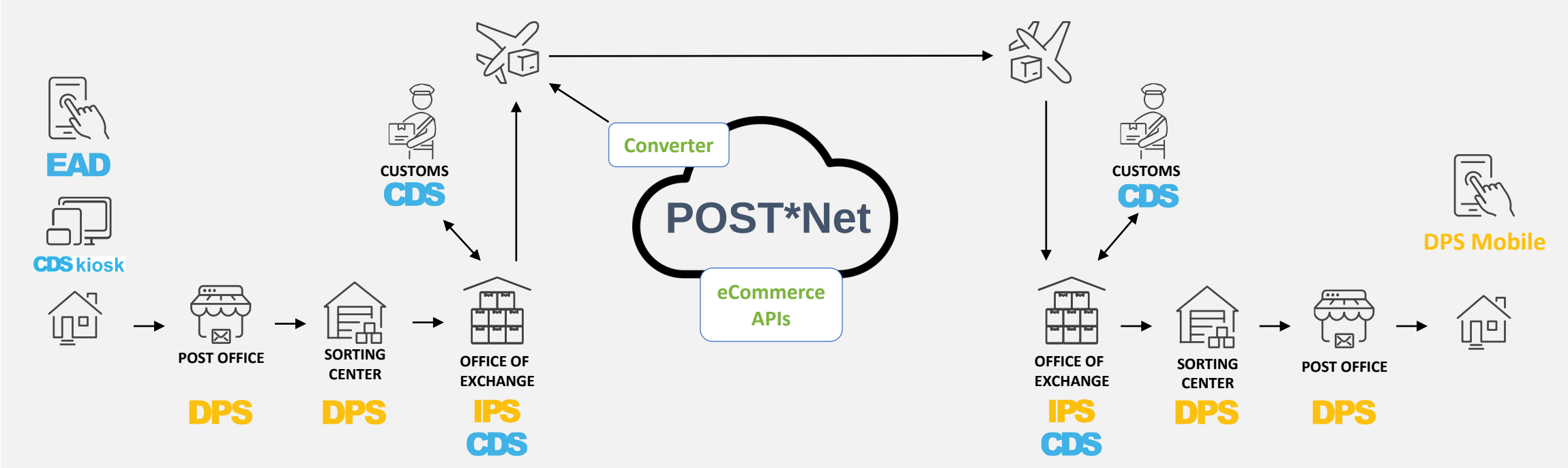
Services are also available to wider postal sector players.

Testimonial from Moldova Post

Promotional video from Cape Verde



IT solutions



Software applications

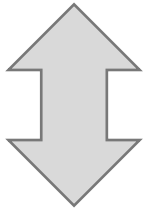
- **CDS** Customs Declaration System
- **EAD** Electronic Advanced Data
- **DPS** Domestic Postal System
- **IPS** International Postal System

Central IT services

- **QCS** Quality Control System
- **PIMS** Postal Irregularities Management System
- **RAIS** Registered Articles inquiry System
- **CARDIT-Cargo** Converter
- **ICS2** Converter
- **PNG** POST*Net Gateway
- **GTT** Global Track & Trace
- **eCommerce APIs**

Integration

CUSTOMERS		POST		ONLINE VENDORS
Mobile applications	**Integration in posts' websites**	**Interfaces with domestic systems**	**3rd party APIs**	**APIs / XML**
Capture of customs declaration and delivery events	Capture of customs declarations Tracking information search	Import and export of data from/to sorting machines, bespoke systems….	- Validation of postal addresses - HS Codes lookup - Restriction / Prohibitions…	Import and export of - Mail item data - Events - Customs declarations…



PTC Applications

IPS CDS DPS

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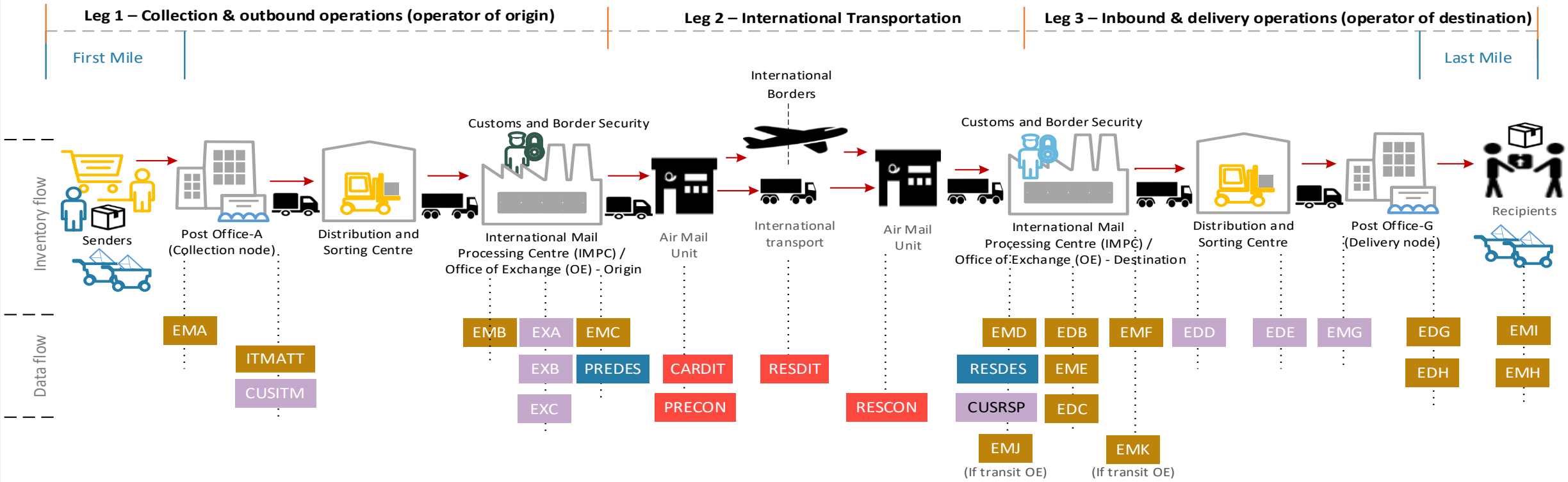
Postal Supply Chain and data flow

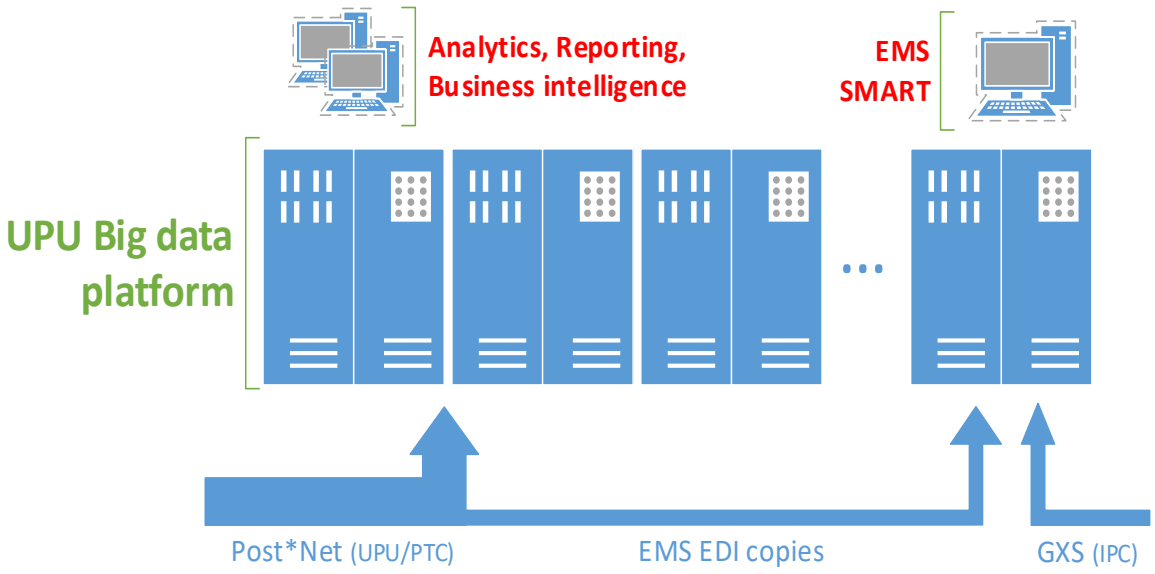


> 10 million mail items recorded daily

> 50 million records/day

UPU Big Data platform

A technical platform to store, process, analyze and correlate massive amounts of EDI data within a reasonable budget



❑ STRATEGY

- UPU is a mature 25 year data driven sector
- Maturity from descriptive to predictive analytics

❑ ENVIRONMENT

- ISO27001 data centers
- UPU legal compliance
- Multi-tenancy architecture
- Expert capacity building programmes

1
2

Use cases

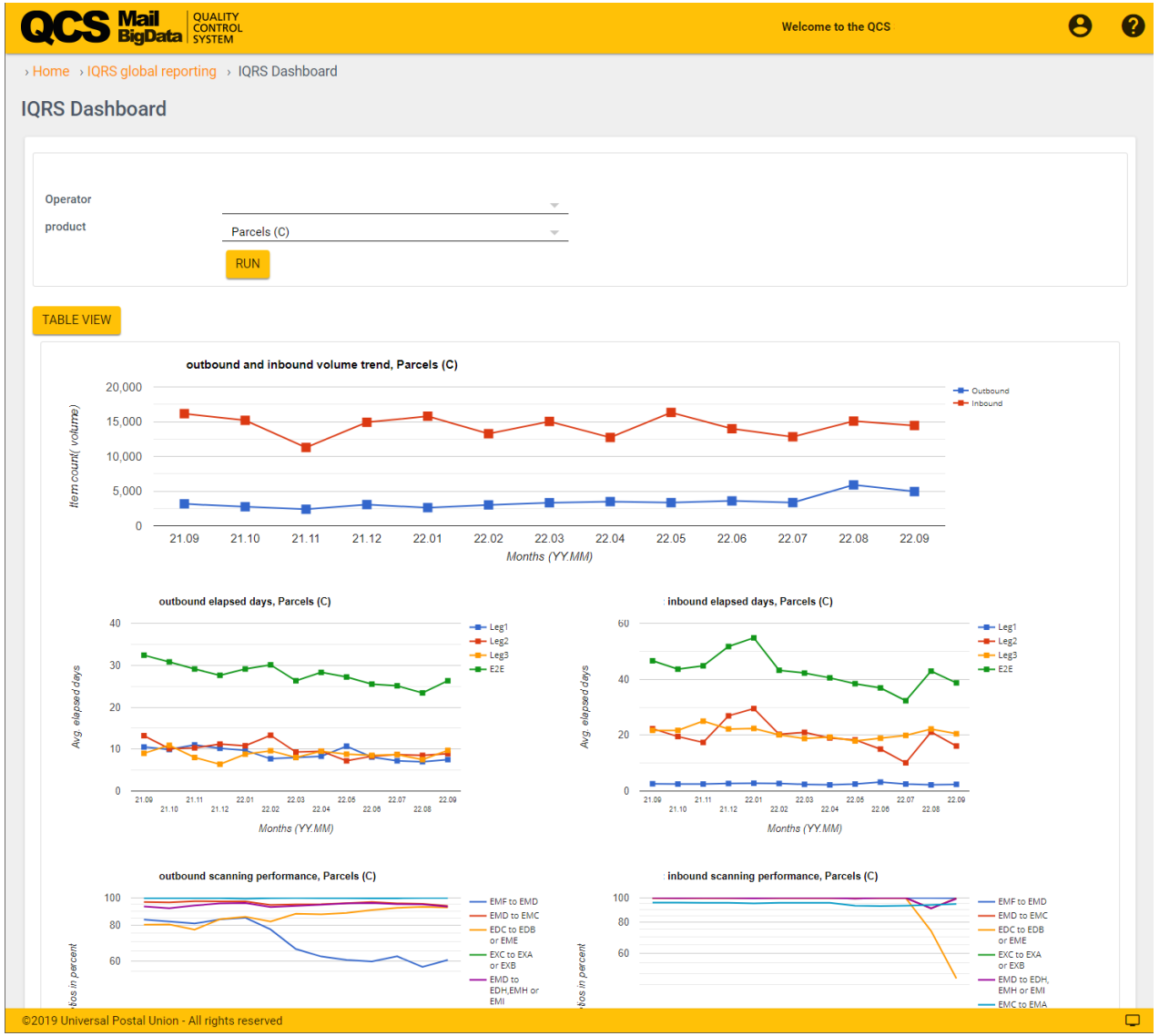
Dashboard
Country, regional, global

Reporting
Online reports with drilldown

Monitoring
Near real time reports

UPU analytics
Postal statistics and economics

Operational tools
Converters and security



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EAD Compliance

Data Capture

- Provide solutions to capture mandatory information

Data Quality

- Ensure the quality of the data captured

Data exchange

- Interconnect the actors of the supply chain

Reporting

- Monitoring and reporting

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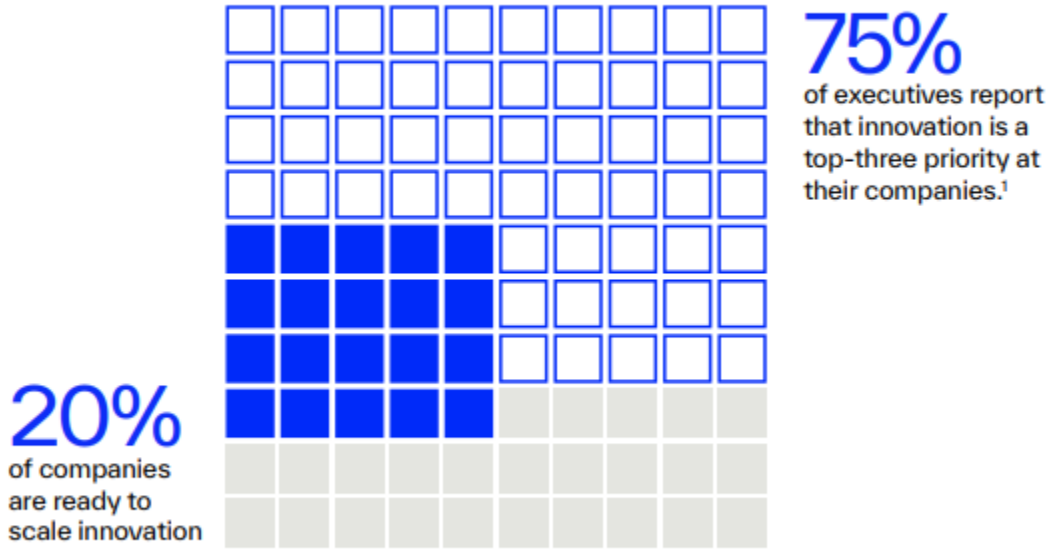
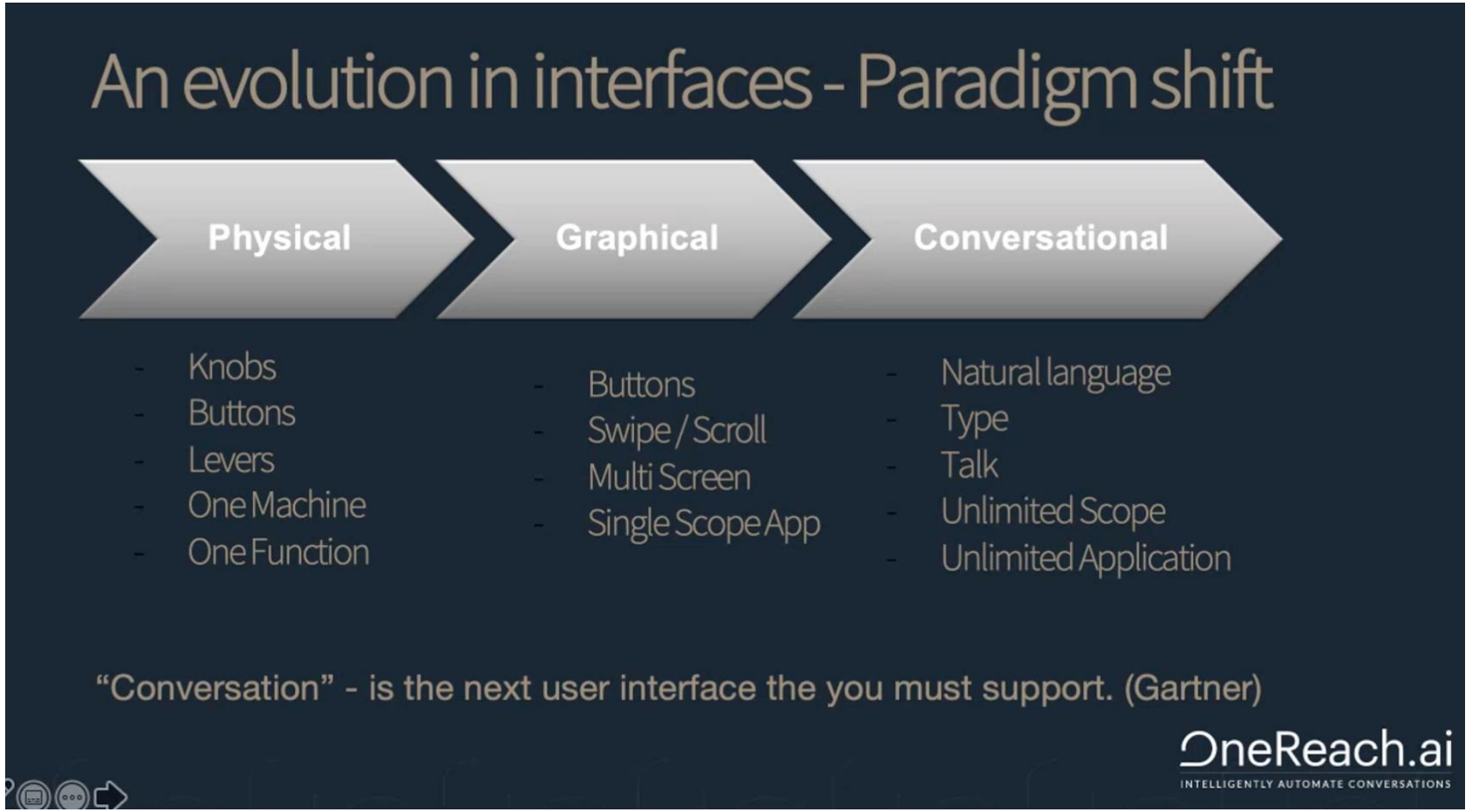
Innovation and Digital Readiness



Source: Strategizer.com

Innovation and Digital Readiness

Change of Paradigms and assumptions



Source: Onereach.ai

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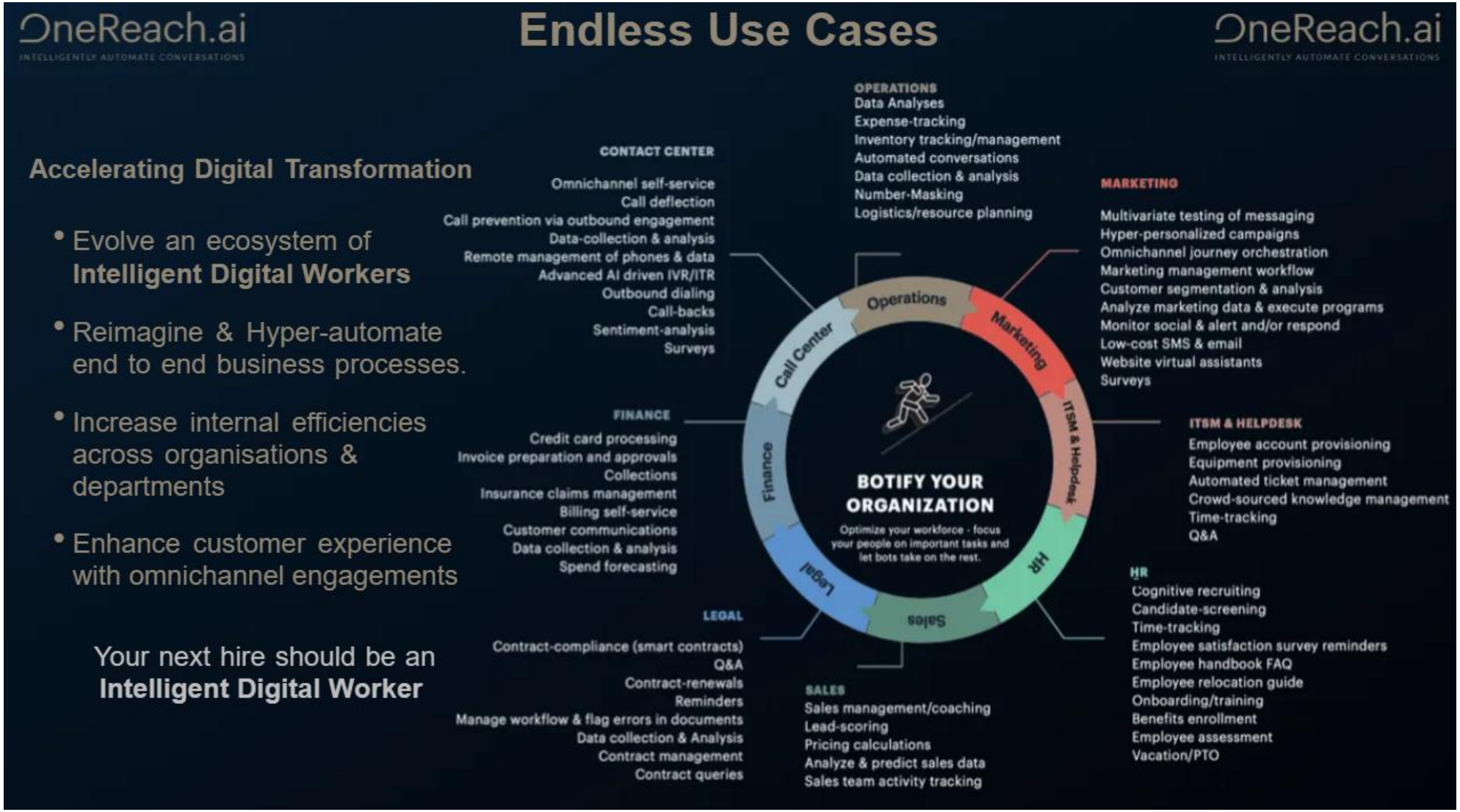
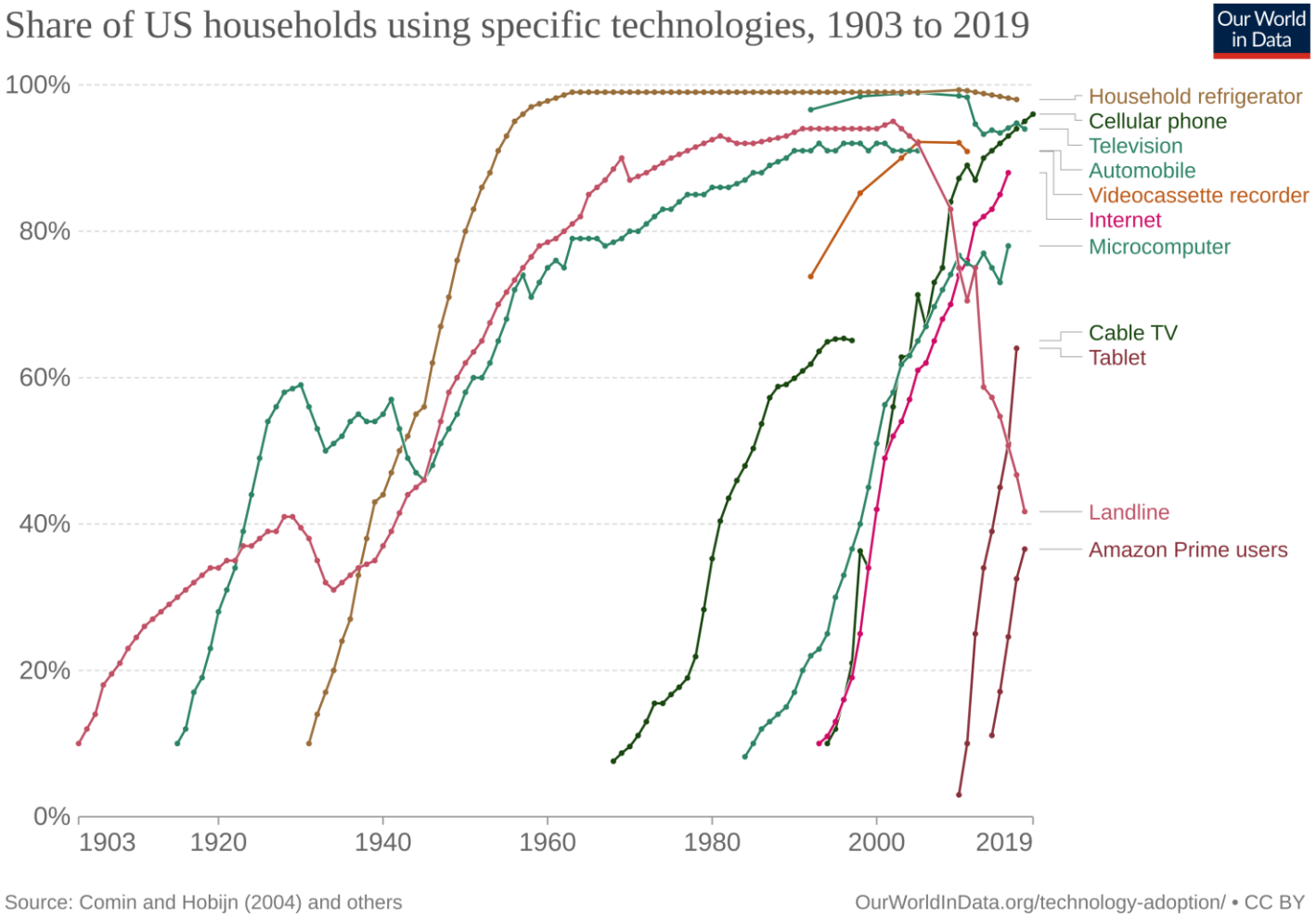


Shorter time of acceptance



Success cases

- DK with E-boks complete national transformation
- Swiss Post (Comunication Services) creating ecosystems

The singularity theory **is making us many times adapt faster than we have the capacity to do it**, and without being innovative and ready to change and adapt, the risk is even higher that we can be left behind.

To be innovative you need to be brave, curious, intraprenurial, visionary… and most important of all….

Stay away from…….

Conformity…

Our Strength is our diversity

Let’s join forces and come together with the UPU to innovate and extend the dialogue.