

DEVICES

- Linux Hardened OS
- Physical security
- DDS authentication
- Logging systems
- Encryption at L4 (RTSP and DDS)

NETWORK

- Private APNs
- 4G/5G standard security for mobile communications (encryption, user/sim authentication, policies, firewalls)

INFRASTRUCTURE

- Virtualization based on Containers: designed to be installed on top of telco infrastructure and utilise their security
- Container security best practices
- Isolated private network. No internet access is needed.

PLATFORM

- Coding cybersecurity best-practices, CI/CD pipeline security
- Web security
- DDS Security: Authentication & Access control
- Logging system



5G Connectivity & Edge Compute

5G & Edge provides high bandwidth for real-time streaming, as well as low-latency autonomous command and control. This represents far greater flexibility than heavily limited RF communication.



Multi-Robot Orchestration

Intelligent orchestration of several autonomous drones in a single location means smart aerial coverage, data collection, and reducing the time needed for end-to-end missions.



Mission Flexibility

Missions can be launched ad-hoc, on a timer, or triggered autonomously via a sensor. Due to the direct connection to the drones, autonomous drone pathing can be altered mid-flight.















Ease of Use

An Intuitive web interface is provided for mission setup and launch, as well as a visualisation of data and video feeds. Third-party data through platform integrations is also visualised on the interface for easy access.



In execution:

| | | |
|---|---|--|
|  Autonomous Drone Surveillance  |  Logistics – Hybrid Robotic Operations  |  Surveillance Security for Ports  |
|  Autonomous Surveillance & Inspections  |  Hybrid Robotic Operations  |  Autonomous Drone Surveillance  |

Recent:

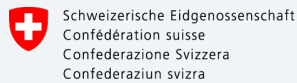
| | | | |
|--|--|--|--|
|  Drone Fleet Search & Rescue  |  Urban Air Mobility  |  Connectivity Extension  |  Mapping and Monitoring  |
|  Autonomous Security & Asset Tracking  |  Cell Tower Inspections  |  Autonomous Drone Surveillance  |  Autonomous Premises Surveillance  |
|  Indoor Inventory Management  |  Multi-AMR Operation (Evolved 5G)  | | |





We have a **global partnership** with **EU Drone Port**:
European Drone Hub for Testing, **Certification**, **Training** & **Authorisations**.

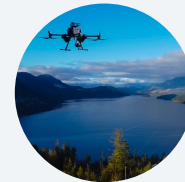
We have obtained **permits** in **8 jurisdictions**:



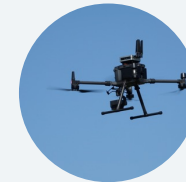
5G + EDGE Use Cases:



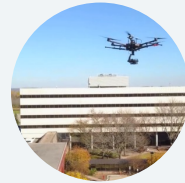
Autonomous drone surveillance
Autonomous Swarm



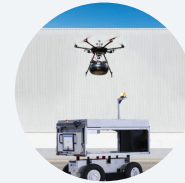
Mapping and Monitoring
BVLOS



Surveillance
BVLOS



Surveillance and Inspection
BVLOS
Autonomous



Logistic – Multi-Robotics Operation
BVLOS
Payload dropping



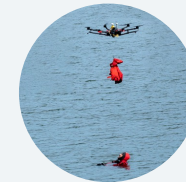
Autonomous Security and
Asset Tracking
Swarm



Cell tower Inspection
Autonomous



Indoor Inventory Management
Autonomous
Swarm



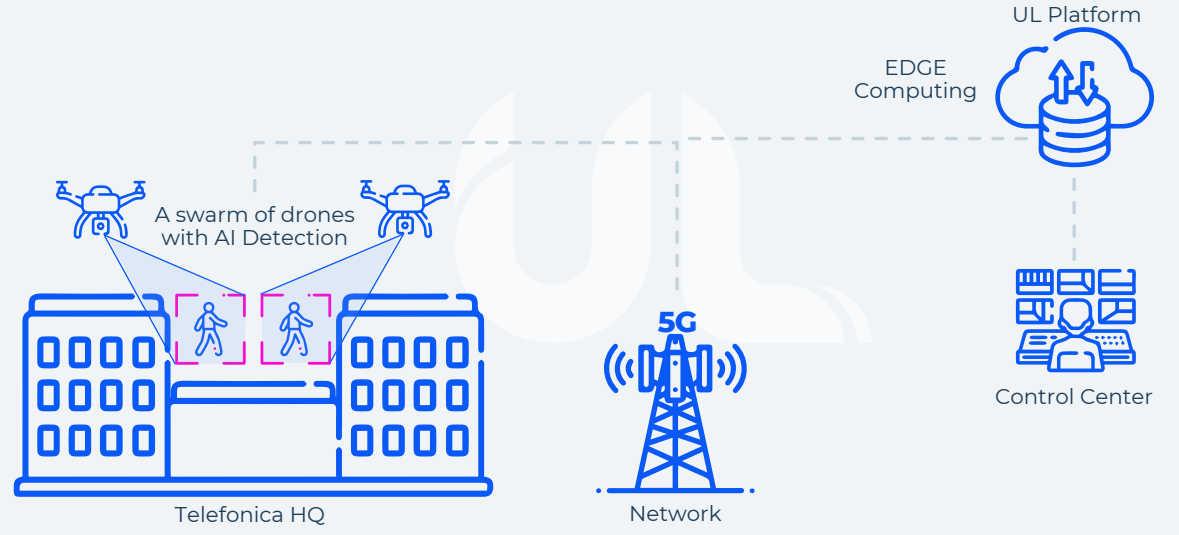
Drone Fleet Search & Rescue
Autonomous
Swarm





Autonomous Drone Surveillance

TELEFONICA AUTONOMOUS SECURITY



Live Video And AI Analytics



5G Connectivity



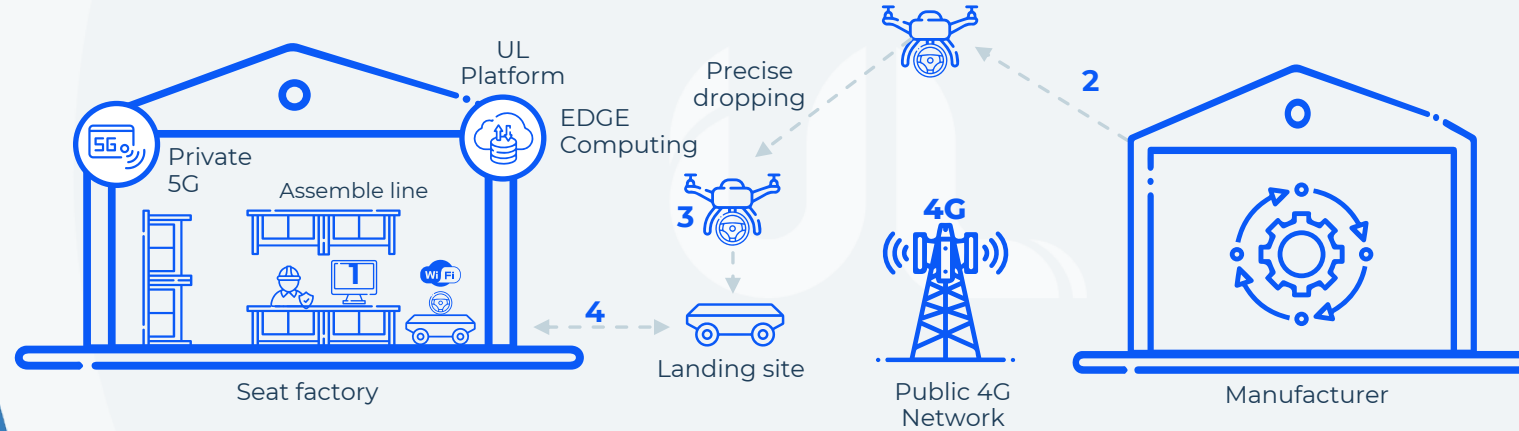
Web Interface For Monitoring





5G Hybrid Logistics

SEAT MANUFACTURE PLANT



BVLOS
Last mile drone delivery



Interoperable
across networks



Hybrid Swarm
Management





Autonomous Drone Search & Rescue

IN THE CITY OF VIENNA



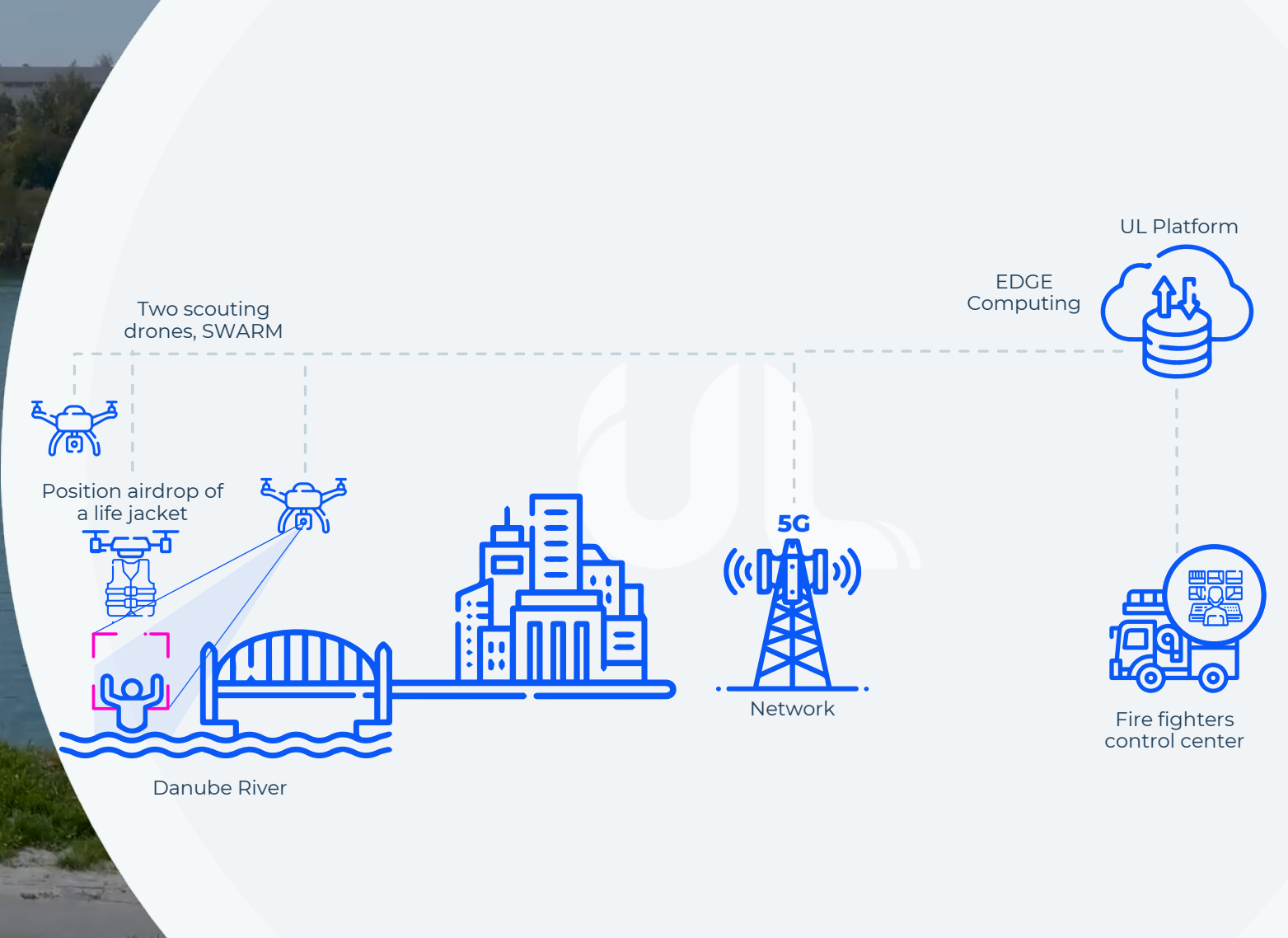
Autonomous Fleet Management



AI Analytics For Person Detection



5G Connectivity





Autonomous Applications

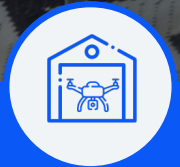
SPAIN / GERMANY

Indoor Inventory Management

TELEFONICA SMART LOGISTICS



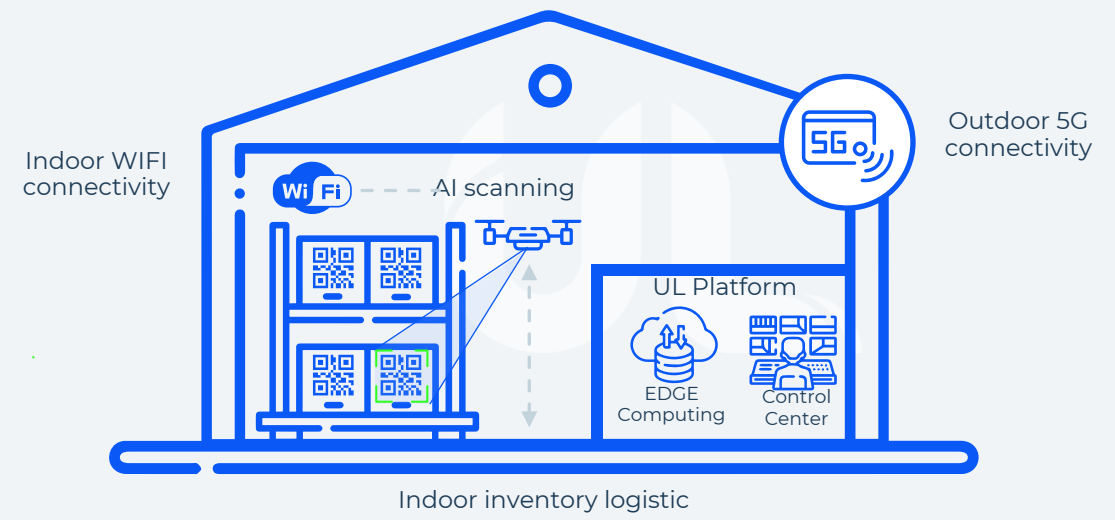
AI for Barcode Detection



Indoor Localization



Interface For Mission Overview





Autonomous Applications

BRISTOL, UK

Autonomous Security & Asset Tracking

Multi-application deployment



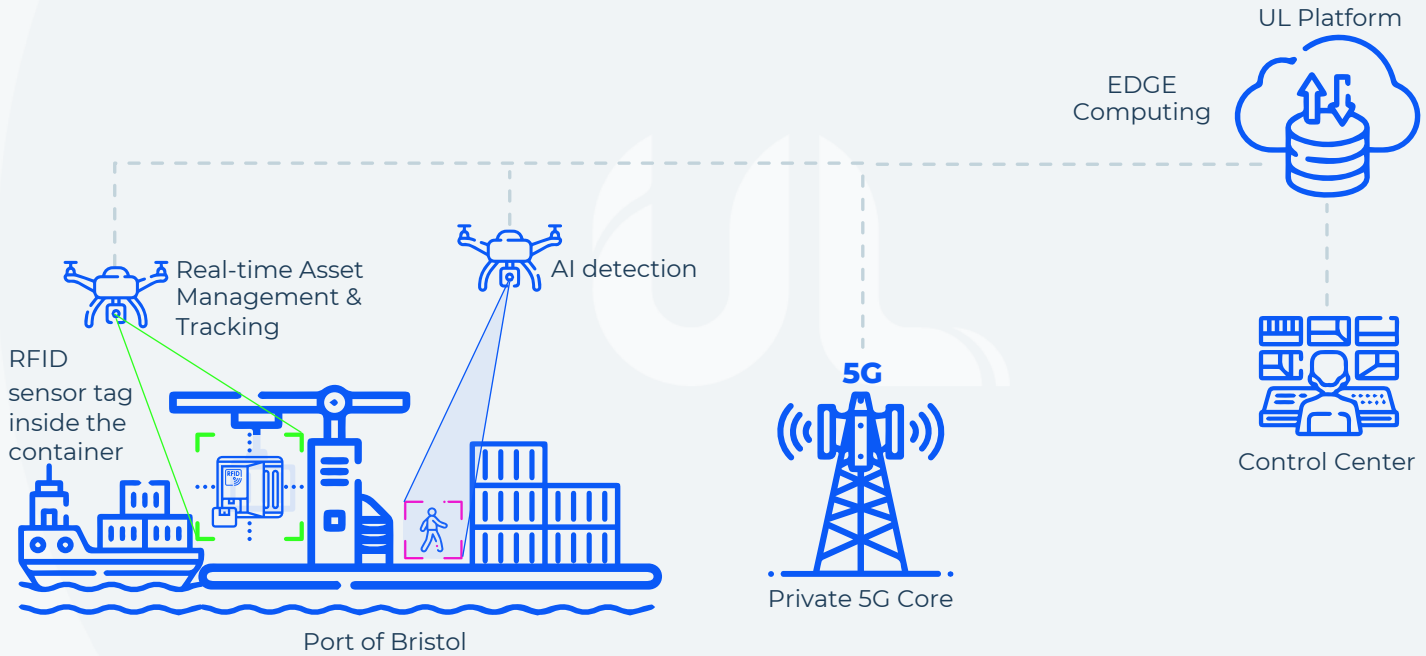
Live Video And AI Analytics



Real-time Asset Management And Tracking



Event Triggered Surveillance



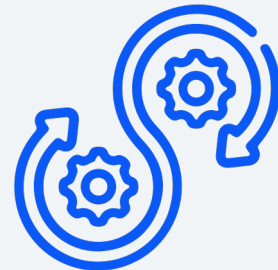
The **Interoperability**, **Flexibility**, and **Openness** of our platform give us the foundations for scalability



**HARDWARE
AGNOSTIC**



FLEXIBILITY



**NETWORKS
INTEROPERABILITY**

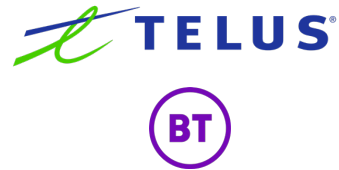


SCALABILITY



Who We Work With

TELCOS



OTHER INDUSTRIAL PARTNERS



PARTNERSHIP MODEL ENABLES EXPONENTIAL GROWTH



UNMANNED LIFE

BUILDING THE AUTONOMOUS FUTURE



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