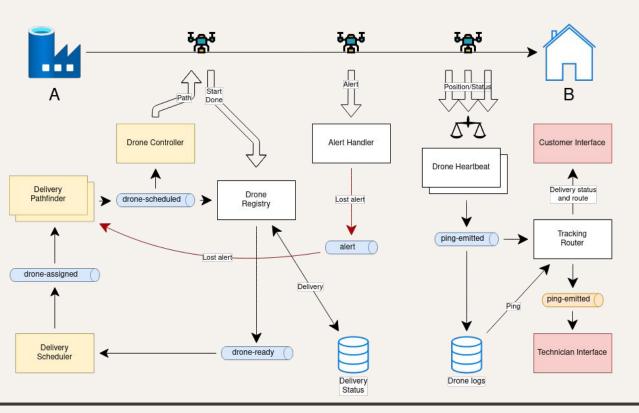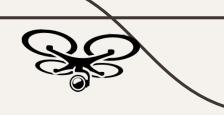# AL2 - Team E Presentation

V1: planning and graphical tracking of the delivery paths

Quentin Larose, Enzo Briziarelli, João Brilhante, Charly Ducrocq, Ludovic Marti
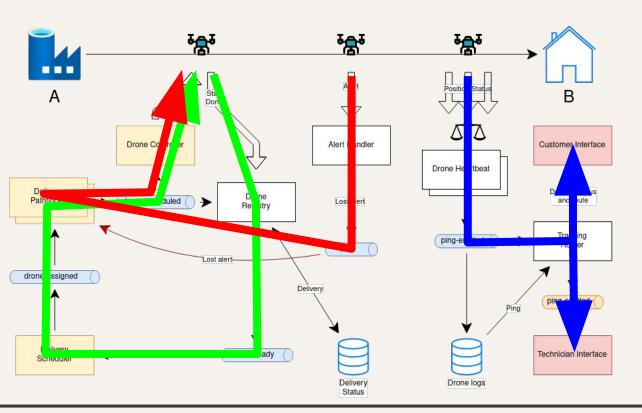
Previously

- Resilience
- Performance
- Scalability

Microservices architecture using **Kafka**

Previously

- The drone is ready
- The drone registry register it
- The drone controller gives it its path

- The drone is lost and raises an alert
- The drone registry gives it its new path

- The drone ping the server every 10s
- The tracking router forward the position to the front.
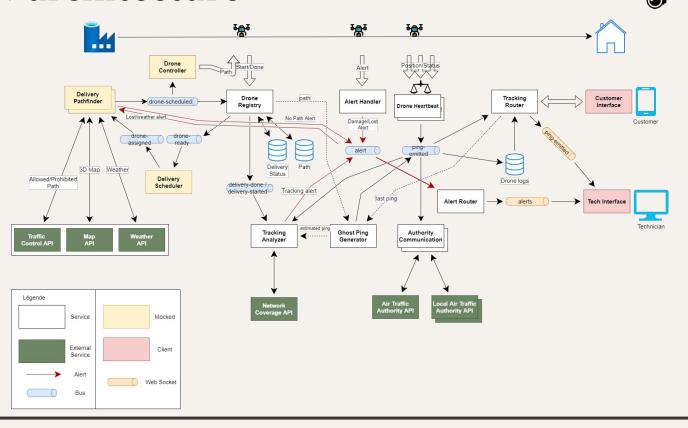
New features

Low coverage

Real-time tracking of "critical" deliveries, even if they need to cross areas partially covered by the network (poor network coverage/quality)
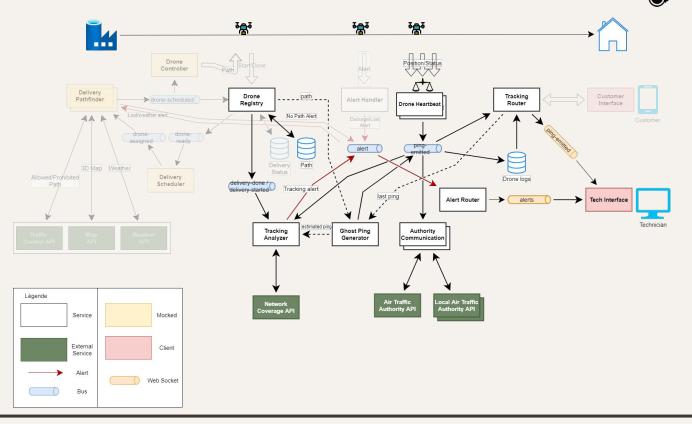
External authority

Real-time feedback of the tracking needs to be provided to an external air-management authority for all urban areas.
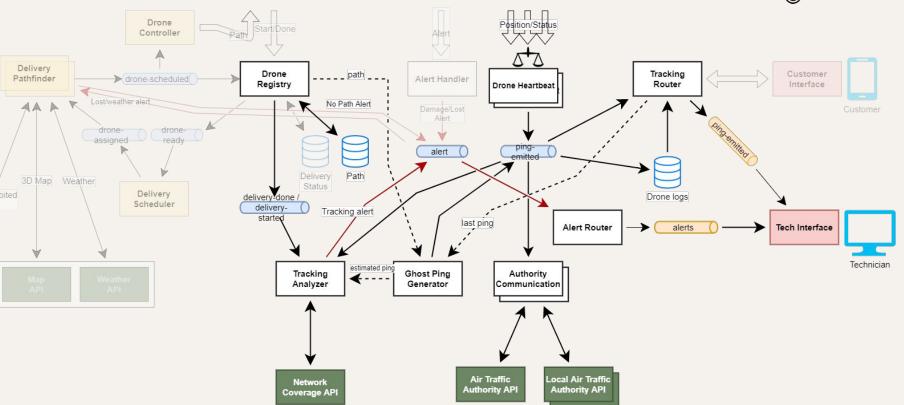
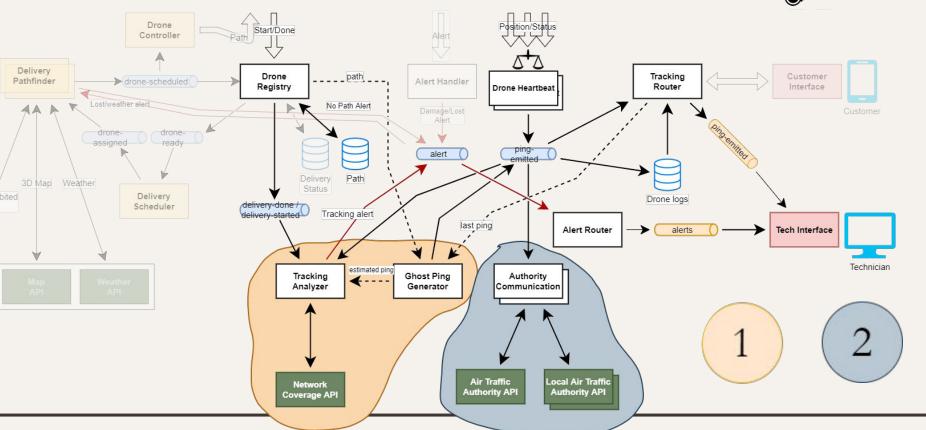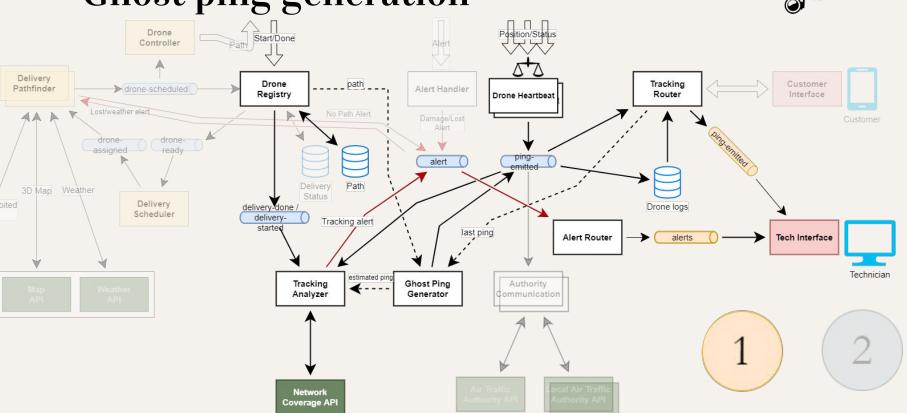# New architecture

Introduced features

Introduced features
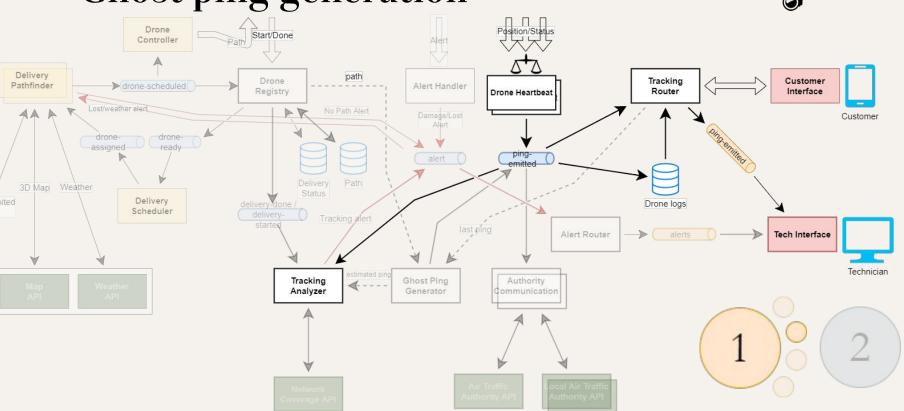
Introduced features

Ghost ping generation

Ghost ping generation

Ghost ping generation

Ghost ping generation

Ghost ping generation

External authority services

Demonstration

Team organization

Friday:
- Next week goals
- Task distribution

Tuesday:
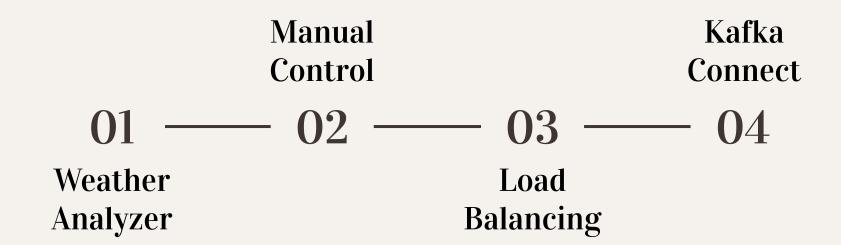- Review architecture
- Weekly status

All week long:
- Sprint development
- Frequent meetings

Future developments

**Manual
Control**

**Kafka
Connect**

01 —— 02 —— 03 —— 04

**Weather
Analyzer**

**Load
Balancing**

Thanks

Do you have questions ?