



6G SNS Brokerage Event

Dr. Guillermo García Barrios
Project Manager
guillermo.garcia@fivecomm.eu

About Us

- SME based in Valencia (Spain)
 - We develop and integrate 5G solutions for verticals.
 - We enable 5G B2B market opportunities answering real industry needs.

“ 5G IoT for a more sustainable world ”

- Projects:

5G / B5G (EU)

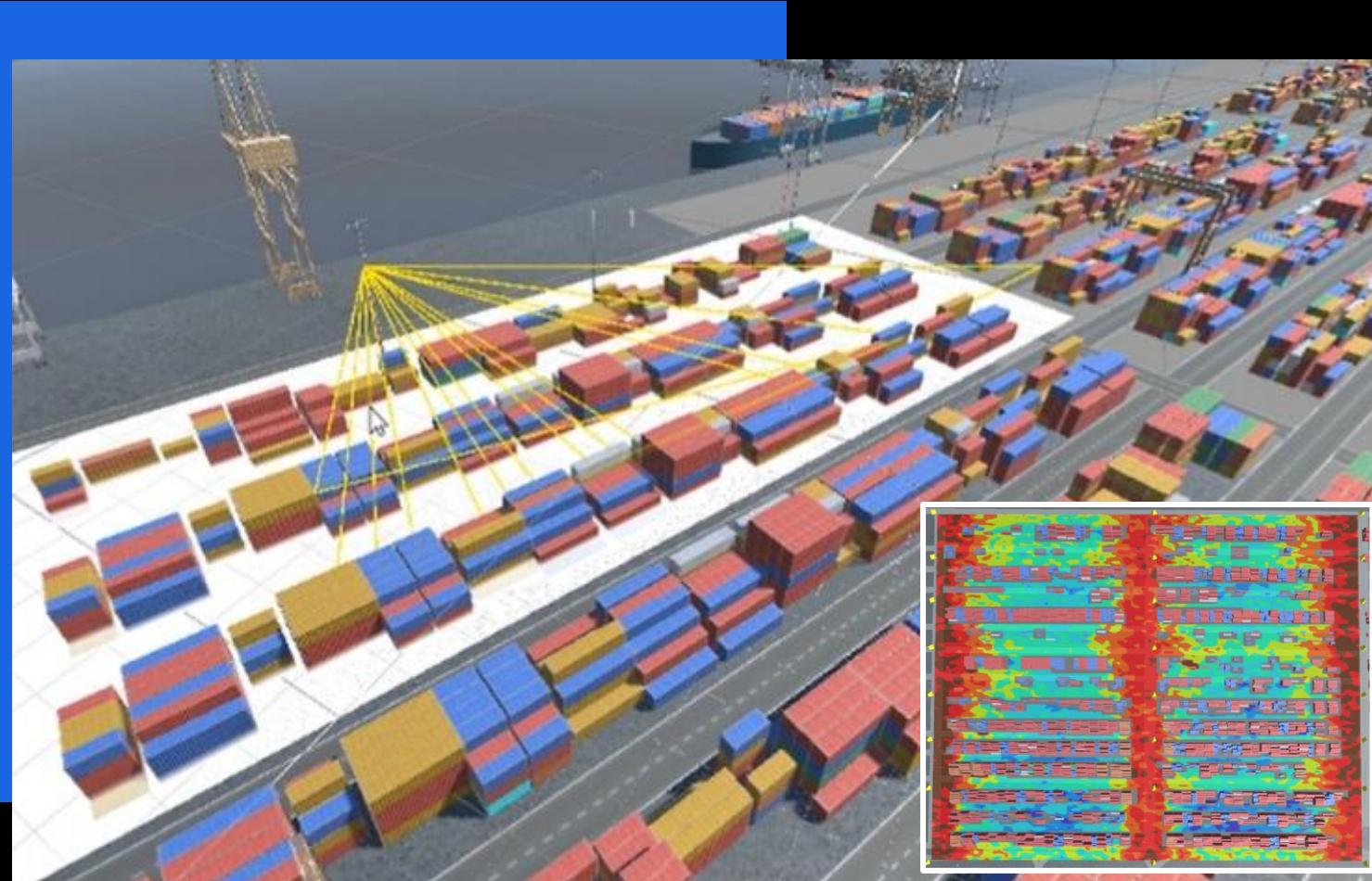


NG-IoT



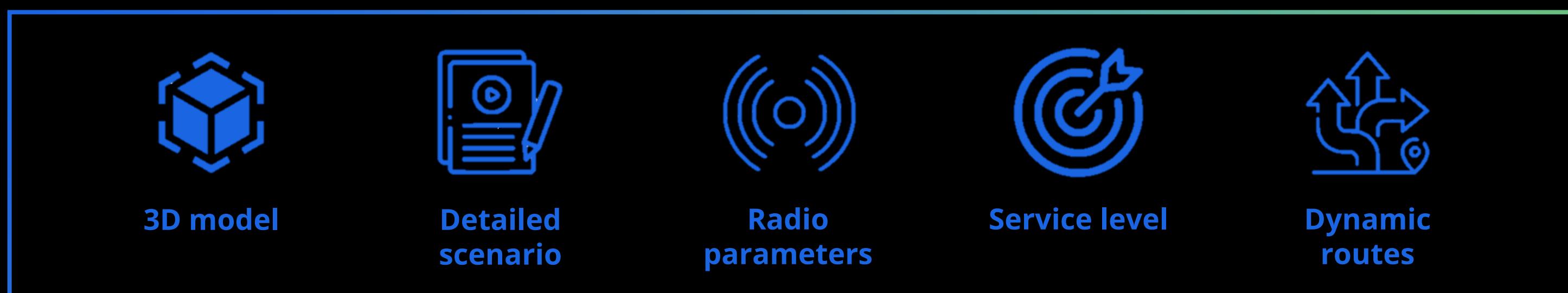
R&D 6G



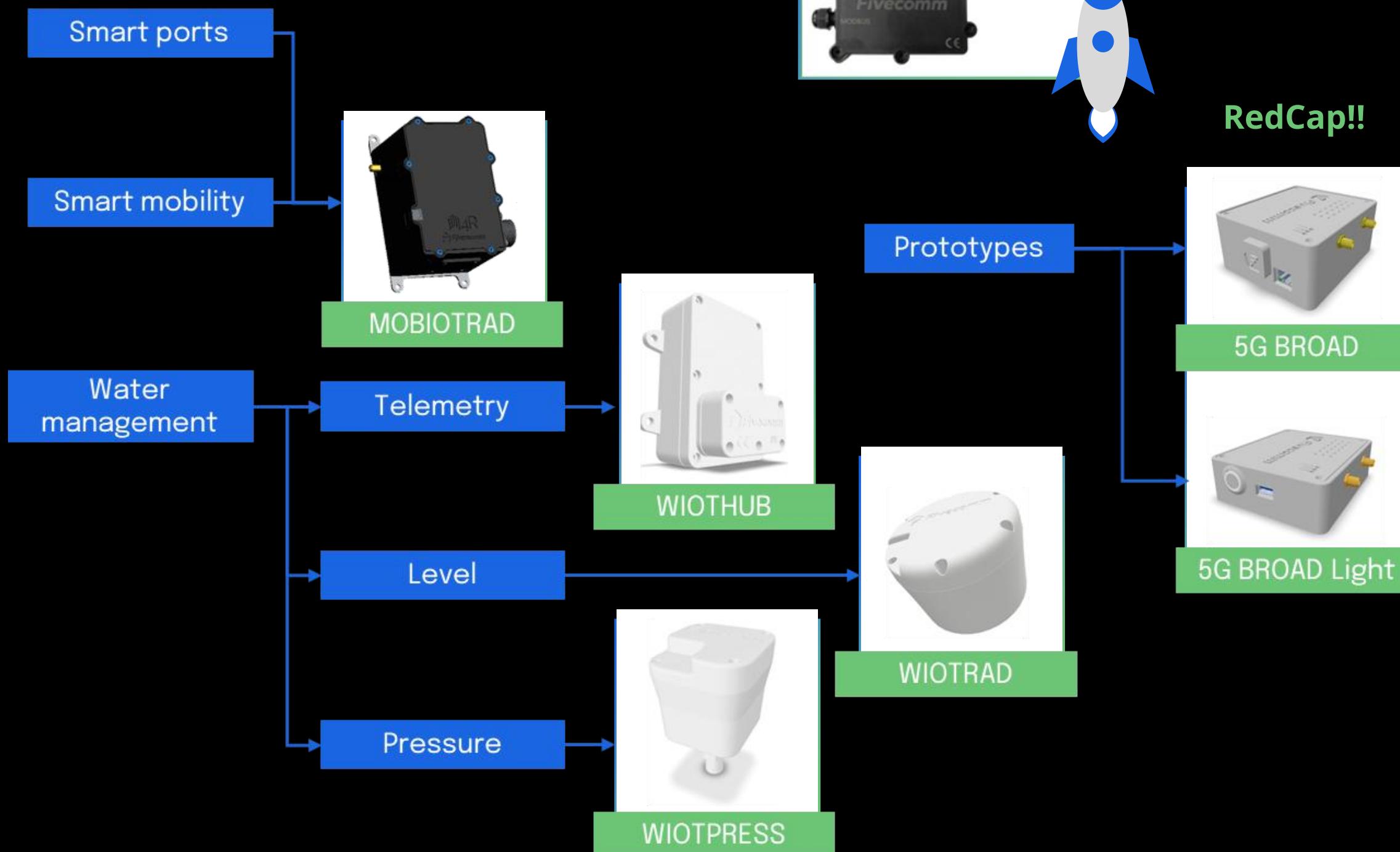


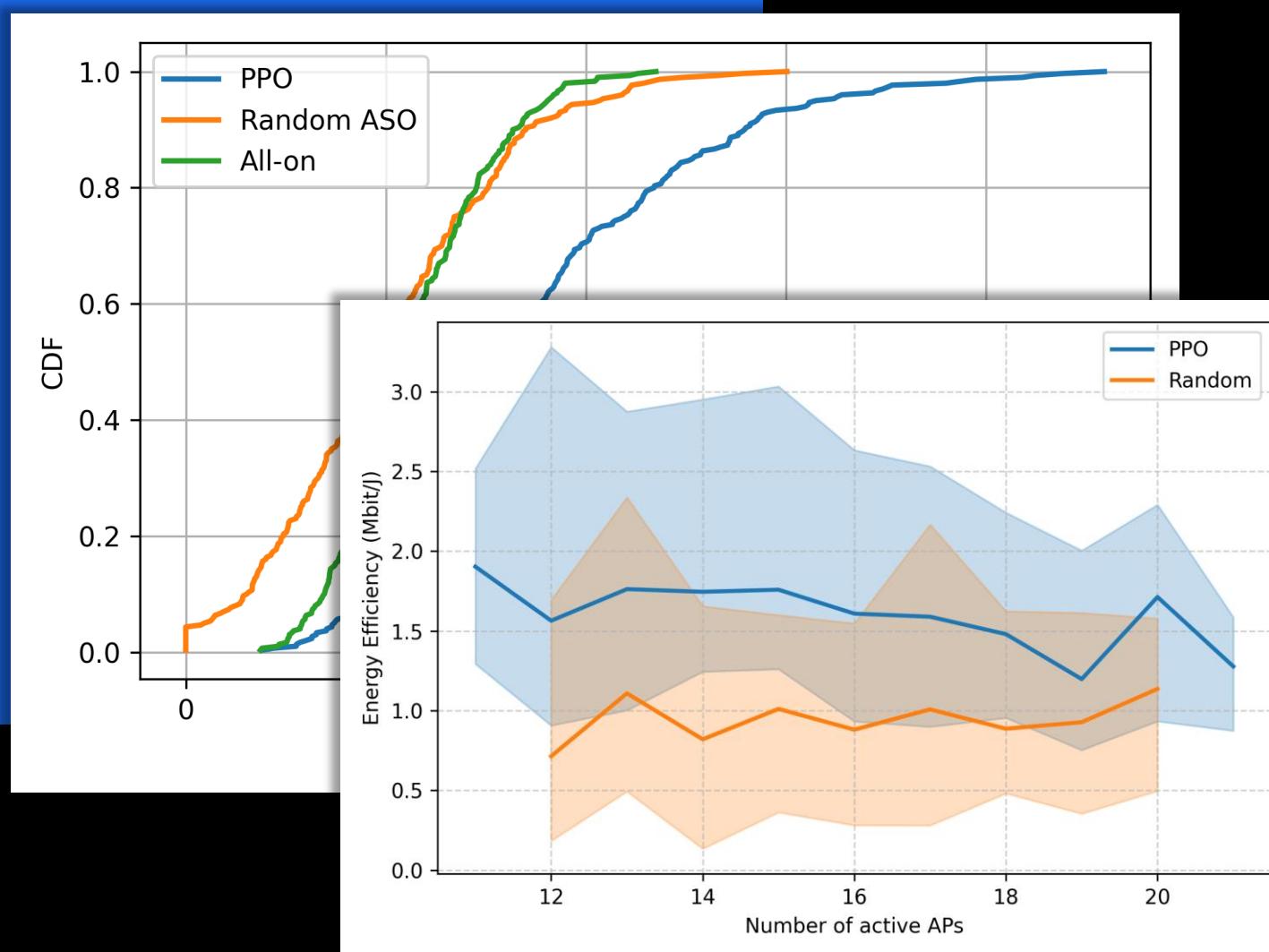
Network Planner

- 3D tool based on **Unity** to capture the changes in a planned area in **real-time**.
- **Digital twin** with a 3D model used to perform detailed **ray tracing** channel modelling.
- Coverage studies in several scenarios.
- Application to **6G** scenarios (e.g., cell-free).



HW devices





6G Research TOPICS

- *Integrated Sensing and Communication (ISAC)*
→ Focused on V2X.
- ML/RL application to **cell-free massive MIMO**.
- **Energy efficiency** studies on devices.

Approached via:

Simulations

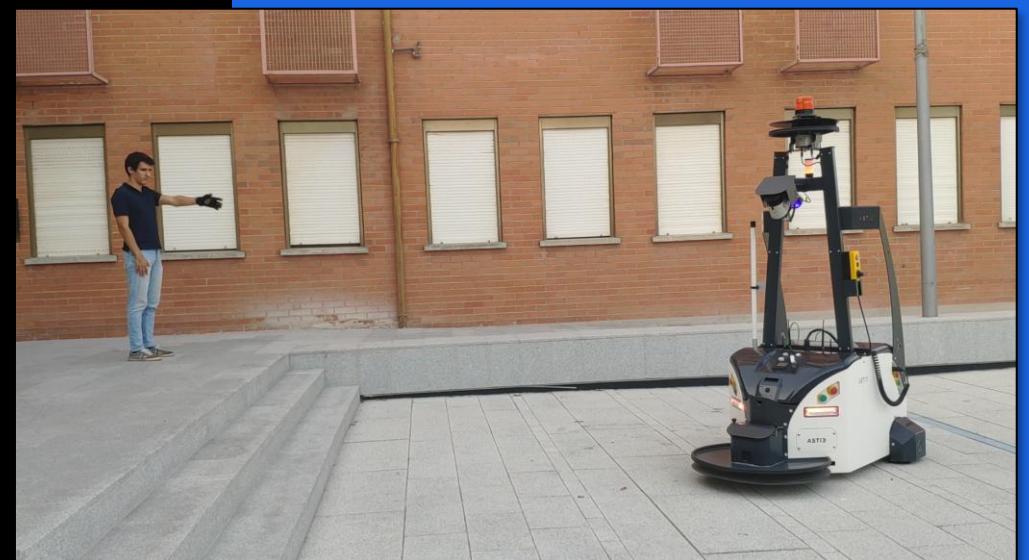
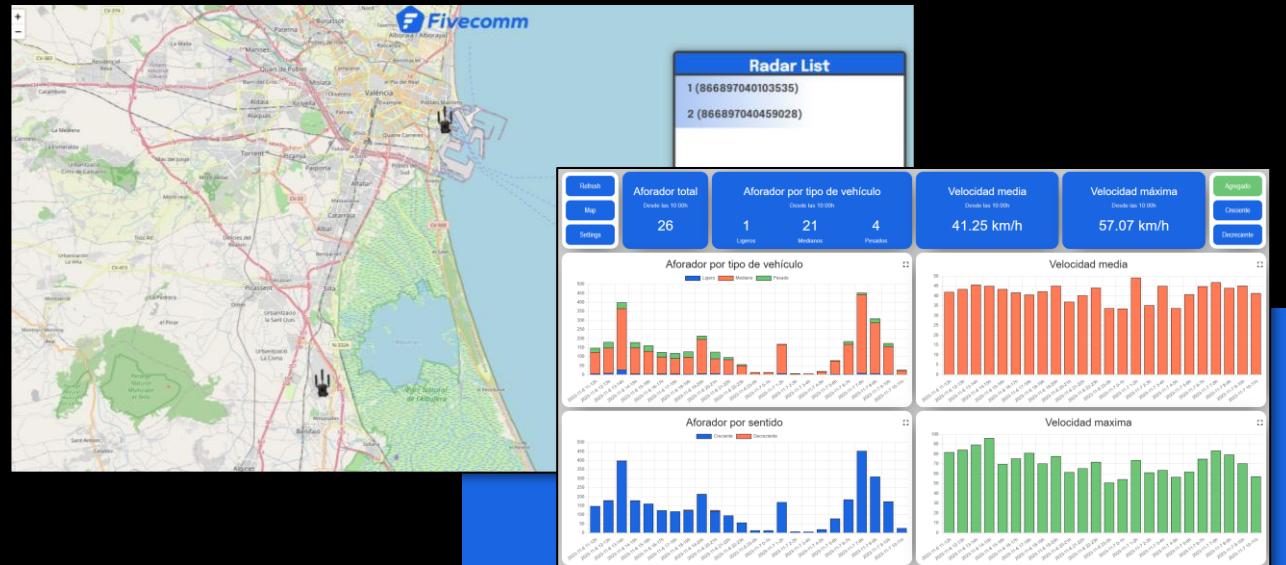
Analysis

Prototypes

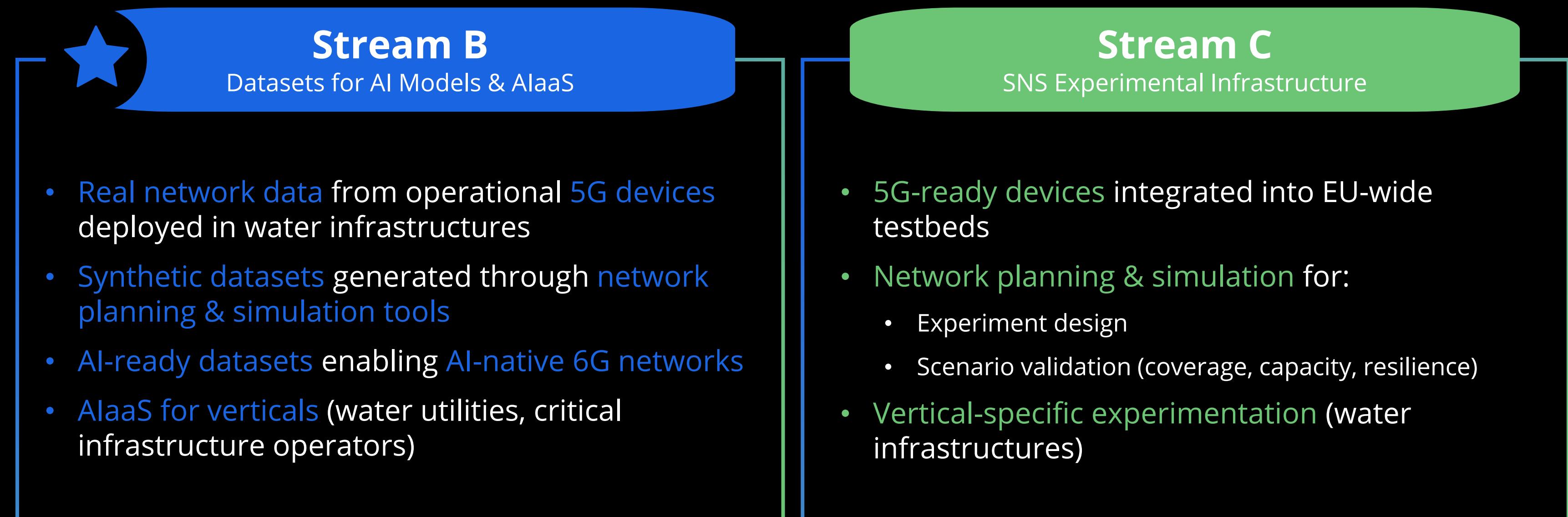
Trials

SW development

- IoT platforms that integrate and manage our devices
- Network Applications end-to-end integration: use cases



Contributions



CSA - 6G Devices

Fivecomm provides limited industrial input based on its experience in 5G devices for critical infrastructure and massive IoT.



6G SNS Brokerage Event

Dr. Guillermo García Barrios
Project Manager
guillermo.garcia@fivecomm.eu