



# Edge computing to support sustainable and circular economy

Your **friendly neighbourhood** IT solution

Marc-Elian Bégin CEO & Co-founder SixSq "There will be 41.6 billion connected IoT devices generating 79.4 zettabytes (ZB) of data in 2025."

Cloud is <u>not</u> designed to directly handle this scale.

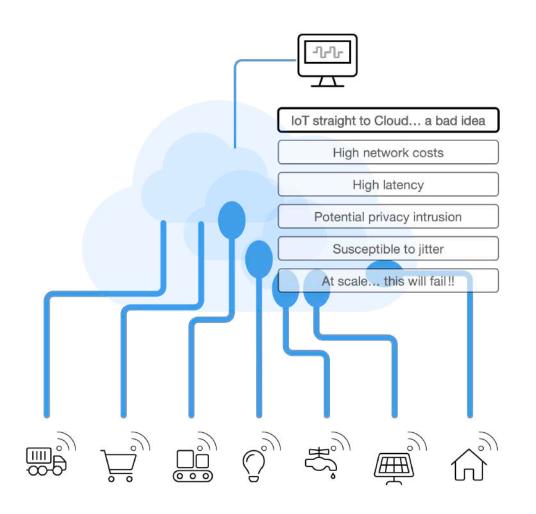


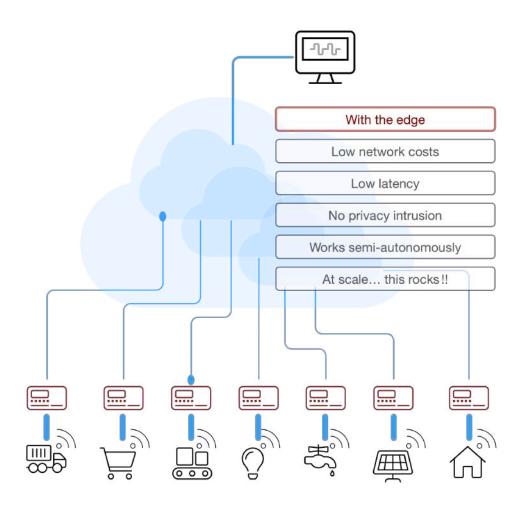
## "The Edge Will Eat The Cloud"



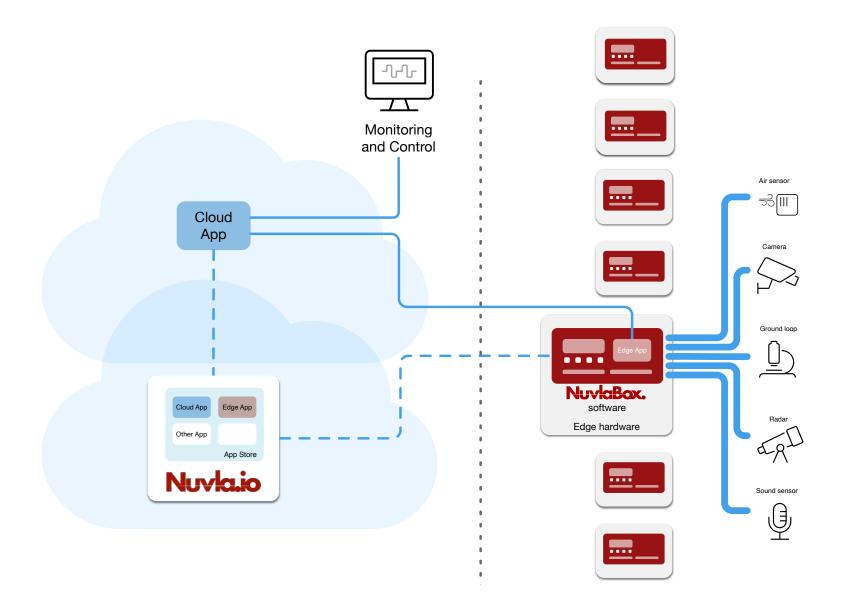


#### Edge is the solution for scale.

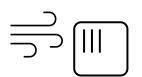




# Simplicity matters.



#### Circular IT.























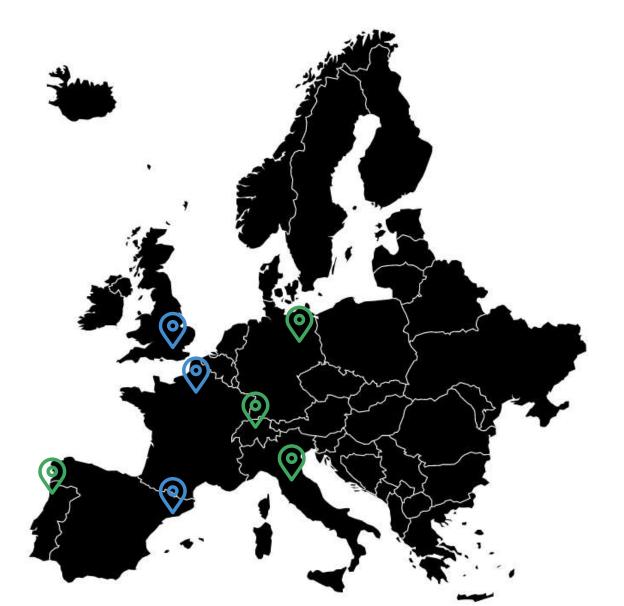


#### Smart lighting and traffic monitor

#### **Smart City**

20 current cities, including:

- ▶ Porto
- ▶ Florence
- ▶ Berlin
- ▶ Geneva
- ▶ Zurich
- Basel
- ▶ Bern



30 more under deployment, including:

- ▶ Paris
- ▶ London
- ▶ Barcelona

### Principle

Low traffic



Low light



Medium traffic

Medium light



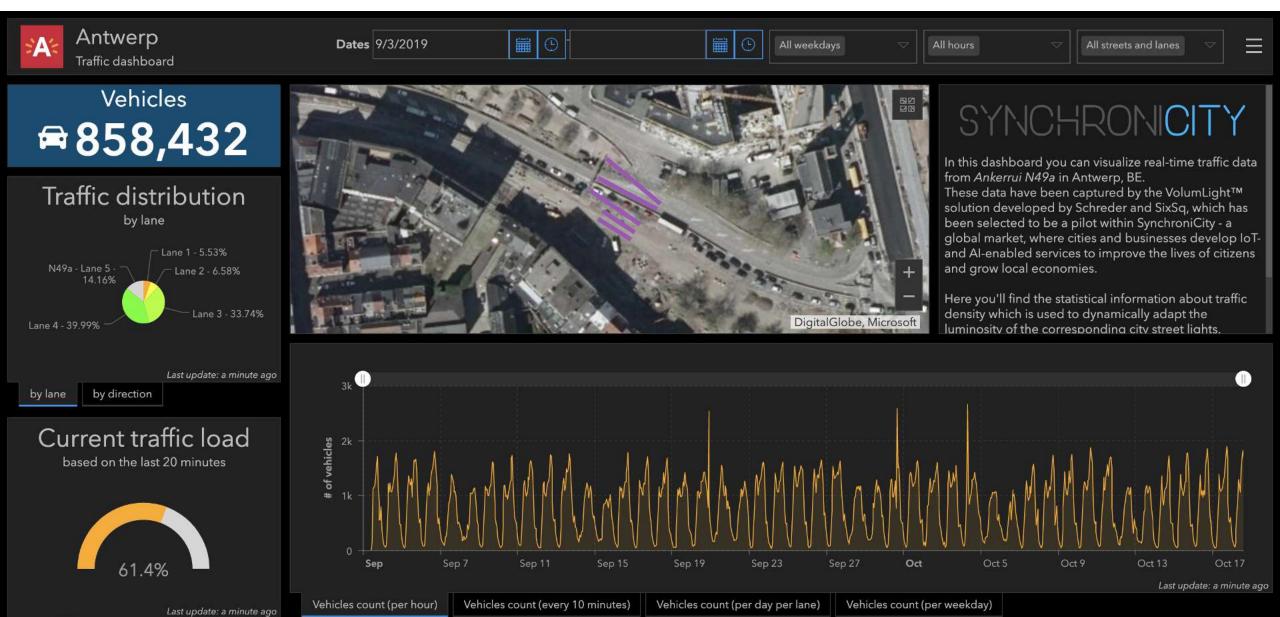
High traffic

Full light

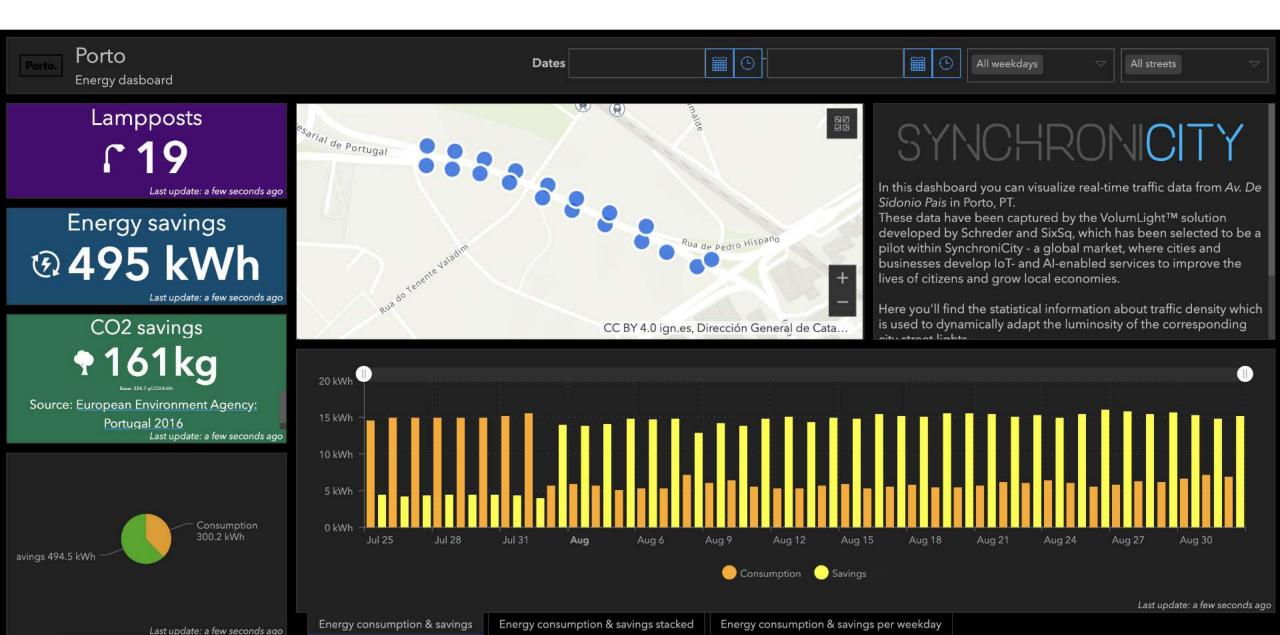
#### **Smart Street Lighting Solution - Edge application**



#### Information in action.



#### **Information** in action.



# Creating value for <u>all</u> edge participants.

- Software Vendors ease and acceleration of go-to-market and monetisation.
- System Integrators (SI) coherent global control, including edge and cloud with app marketplace.
- Edge Hardware Manufacturers transform hardware into a smart edge device, connected to the Nuvla.io eco-system.



In the last 12 months:

>50 PB

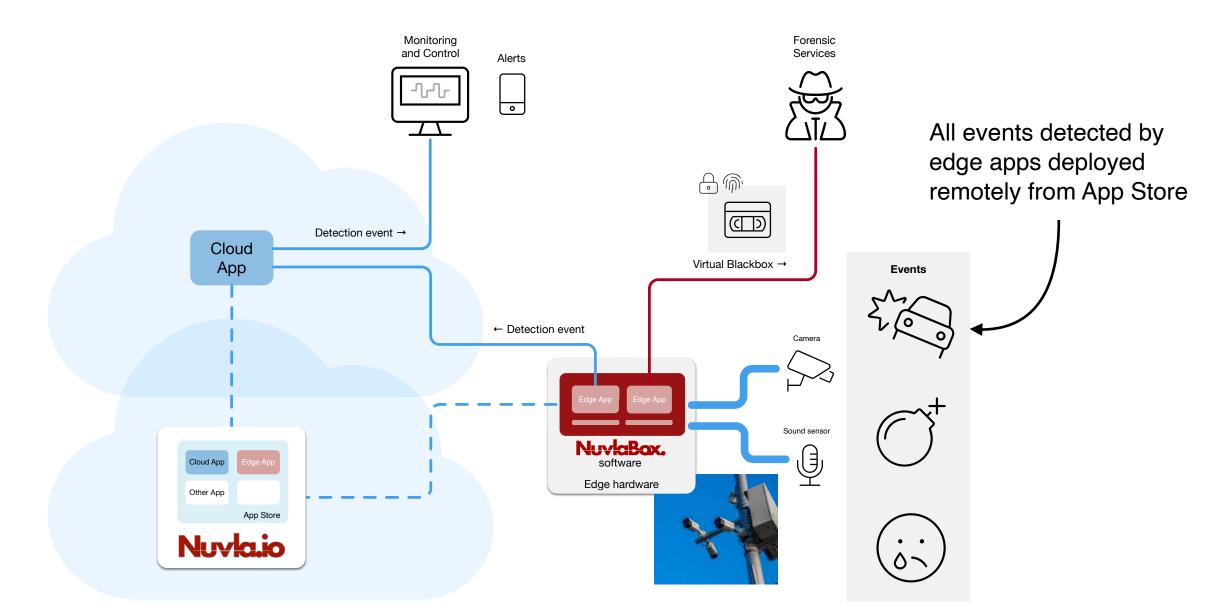
Data processed at the edge Data that would otherwise be lost.

>1 PB

Data transferred to clouds

High quality data for more insights.

#### When I need the data?



#### Conclusion.

- 1. Edge computing is key in making IT sustainable and contribute to a circular economy
- 2. Information matters > local transformation is required
- 3. In cities, edge infrastructures could become shared/public/publicprivate assets
- 4. Governance matters
- 5. It's a lego challenge, as we have all the bricks: little risk!
- 6. We are committed to realise this vision, but need public and private partners



# Thank You

