



CAELUM
PRIVATE EQUITY

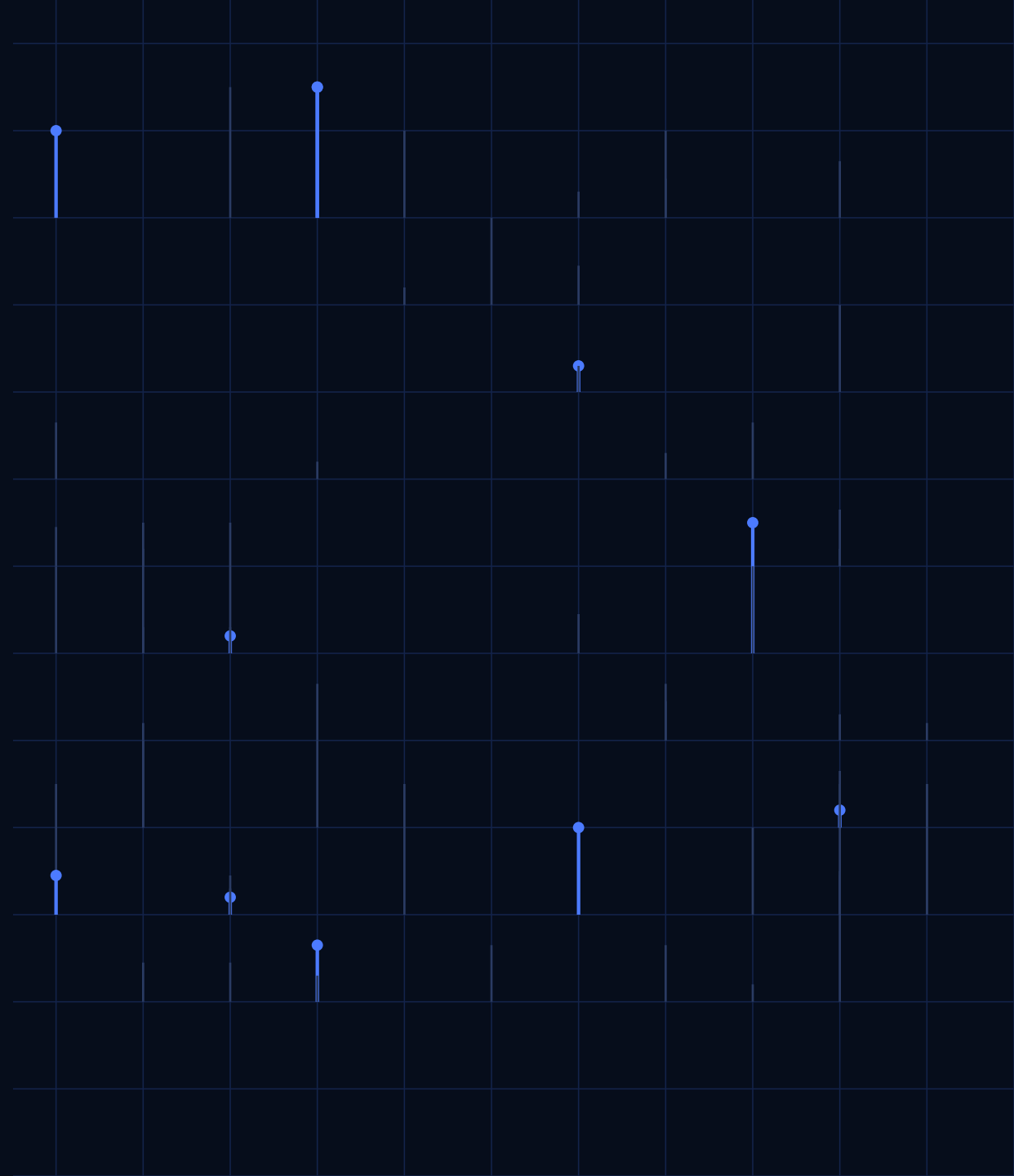
— INVESTOR PITCH · OCTOBER 2026

CBLX

Urban waste management with IoT and artificial intelligence.

Sensor-equipped bins, an IoT network and predictive analytics so collection runs on actual fill levels.

● IN THE STUDY PHASE





THE PROBLEM

Cities collect by calendar, not by need.

01

Fixed routes

Trucks visit every bin on a schedule, whether it is full or empty.

02

Costs and emissions

Unnecessary kilometres, overflowing bins in high-demand areas and resident complaints.

03

Isolated data

Urban service data lives in systems that do not talk to each other.



THE SOLUTION

Three layers that turn infrastructure into information.

SMART CONTAINERS

The bin reports

Fill-level, temperature and status sensors connected to the platform.

IOT INFRASTRUCTURE

The network transmits

Sensors, gateways and secure communications for remote monitoring and operation.

URBAN INTELLIGENCE

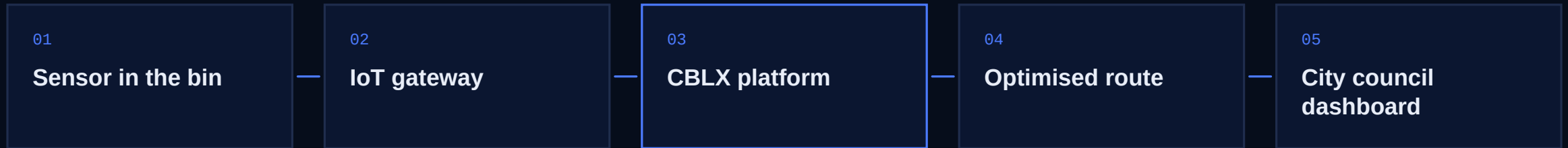
The platform decides

Predictive models that prioritise interventions and optimise collection routes.



— HOW IT WORKS

From the sensor to the city dashboard.



Target customers: city councils and waste collection operators.



PROJECT STATUS

CBLX remains under study.

Jun 2025

RESEARCH

Study of municipal collection costs and routes.

Nov 2026

PLANNED

Map of manufacturers, operators and public tenders.

Feb 2026

CONCEPT

Smart Container and IoT gateway definition.

2027 →

UNDER STUDY

Proof of concept with a pilot municipality.



INVESTOR OPPORTUNITY

Join in the study phase, before the first pilot.

Participation

Early access to the project while its technical and market feasibility is defined.

Synergy

Shares Caelum's data layer, predictive models and cloud infrastructure with ATLAS.

Study questions

Unit cost per sensor, public procurement model, manufacturing partner and pilot municipality.

Deliverable

Feasibility report and proof-of-concept plan, shared with participating investors.



— NEXT STEP

Let's talk about the CBLX study phase.

Founder and CEO

Thirty years of international business development across Europe and Latin America (Diageo, Pernod Ricard, JBS, ConAgra Brands, Engel & Völkers). MBA in disruptive technology business management.

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