

Smart Zones at Sandbox Urbano Alcoy

Timeframe

January 2025 – December 2025

Type

Tipo1 / Demonstration Project – Smart City / Mobility Innovation

TRL

8

Status

Ongoing pilot, 1st realisation realized in May, 2nd realisation realized in July.

Lead entity

Coding the Curbs B.V. (Netherlands)

Budget

€53,866 (50% funded by RVO – Dutch Enterprise Agency; 50% own contribution CTC)

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Description

Demonstrate and validate Smart Zones in Alcoy by implementing three bookable (un)loading areas with 12 bays, complemented by four monitored PMR spaces. The goal is to improve logistics efficiency, reduce congestion and emissions, and provide data to support sustainable mobility policy.

General objective

To test and evaluate Smart Zones in Alcoy's real urban context, generating evidence for broader implementation in the city and in other Spanish municipalities.

Areas of action

Urban logistics: Improve efficiency of last-mile deliveries and reduce search traffic.

Sustainability and liveability: Lower emissions and noise while enabling multifunctional use of curbside space.

Digitalisation and innovation: Provide real-time data and dashboards to support enforcement, planning, and knowledge sharing.

Actions carried out

Preparation (Jan–Apr 2025): Planning, legal framework, stakeholder engagement.

Realisation (May & July 2025): Launch of first Smart Zone at Rodes with 4 PMR sensors; expansion with two more Smart Zones at Alameda and Juan Gil Albert.

Piloting & Demonstration (May–Nov 2025): Operation of 12 bays, data collection, reporting, and demonstrations.

Evaluation (Dec 2025): Final analysis, results presentation, and scaling strategy.

KPIs and performance metrics

At least **50 bookings per zone per month**.

Engagement of **20 companies using the platform**.

Three live demonstration sessions carried out in Alcoy.

20 Spanish cities reached through demonstrations and dissemination activities.

Reduction of congestion and noise around pilot areas

Technological and knowledge transferability

The solution is at TRL 8, tested in multiple European cities and fully GDPR-compliant. It combines sensors, a booking platform, and dashboards, making it scalable and replicable. The Alcoy pilot generates transferable knowledge on Smart Zones in the Spanish context, with results shared through demonstrations, workshops, and reports.