



# SHIELD PCP

Presentation

WISG 25 March 2026

# How the project started



## From SHIELD4CROWD to SHIELD PCP

**SHIELD4CROWD** laid the foundation for a European approach to protecting public spaces through innovation and Pre-Commercial Procurement (PCP).

By identifying common vulnerabilities, mapping technology gaps, and uniting security practitioners across Europe, the project prepared the ground for **SHIELD PCP**—turning shared needs into concrete innovation actions.



**SHIELD**  
4CROWD



**SHIELD**  
PCP

# General Info

- Full name of the project:

## SECURITY HARMONIZED INNOVATION FOR ENHANCED LAW ENFORCEMENT CAPABILITIES IN DYNAMIC CROWD PROTECTION THROUGH PRE-COMMERCIAL PROCUREMENT

- Funded by: **HORIZON Europe**
- Timeline: **1 October 2025 – 30 September 2028**
- Consortium: **12 from 7 Countries**
- Website: **shieldpcp.eu**
- Project: **101225962**





# SHIELD PCP

## Empowering Safety through Innovation

SHIELD PCP is a project funded by the European Union, which brings together first responders, public authorities, and technology providers to co-create innovative solutions for public spaces protection.

The overarching aim is to equip security stakeholders with cutting-edge technology procured through innovative processes, offering solutions that enable seamless coordination and cooperation among all stakeholders, especially law enforcement agencies (LEAs).

Using a **Pre-Commercial Procurement (PCP)** approach, the project transforms real operational needs into innovative tools that support safer, better-coordinated responses in dynamic crowd environments.



# Challenge

Public spaces often host large, dynamic crowds—from daily urban movement to major events. Ensuring safety in such environments requires real-time coordination between agencies, reliable communication systems, and accurate situational awareness.

## SHIELD PCP focuses on four core capability areas:

- **Command centre coordination:** integrating data and control systems for real-time management.
- **Secure communication:** Ensuring reliable information flow between first responders and the public.
- **Crowd monitoring:** Analysing in real-time crowd density, movement and abnormal behaviours.
- **Movement monitoring:** Detecting movement patterns and, when needed, focusing only on specific individuals or groups to support a timely response.





# Main requirements

## Command centre coordination

- Create an integrated command centre that consolidates information from multi agencies as a central hub for operational control.
- Deliver a real-time view of the security environment.
- Integrate and fuse data from multiple sensors, systems and operational inputs to create a coherent situational picture.
- Process multiple data types, including video, image and other sensor-generated data within the operational environment.

## Secure communication

- Ensure reliable and secure communication channels to support coordinated crisis response and effective public information.
- Provide dependable communication systems that prevent misunderstandings and strengthen response cohesion.
- Deploy resilient communication tools capable of delivering rapid alerts and operational guidance to responders and the public.

## Crowd monitoring

- Enable continuous monitoring of crowd dynamics, particularly in high-density or fast-moving situations.
- Deploy advanced tracking technologies to analyse real-time data on crowd density, movement patterns and behavioural anomalies.
- Detect changes in crowd conditions, identify potentially hazardous behaviour and support timely crowd management measures to prevent escalation.

## Movement monitoring

- Enable tracking the movement of large groups and persons of interest.
- Deploy advanced tracking technologies to provide real-time insight into individual and group behaviour, even in dense crowd environments.
- Support precise and targeted action in response to emerging risks.





# PCP Development Phases and budget



**Metropolitano Stadium,  
Madrid, Spain**



**Gare du Nord,  
Paris, France**



**MŠK Žilina Stadium,  
Žilina, Slovakia**





# Call for Tender

**Publication:** May 2026

**Reception of bids:** June–August 2026

**Tender awards :** October 2026

**The Call for Tender will outline requirements, pilot sites, and evaluation criteria.**

Evaluation will consider:

1. Technical Innovation and Feasibility
2. Cost and Value for Money
3. Operational Impact and Scalability
4. Social and Ethical Impact



Funded by  
the European Union

# Join the project



## If you are a Technology Supplier

If you're an **innovative company, start-up, SME, or research organisation** developing technologies for public safety, SHIELD PCP offers the opportunity to **collaborate with public authorities** through an **open Pre-Commercial Procurement (PCP)** process.

- Suppliers selected through the tender will work closely with practitioners to design, prototype, and test new solutions under real operational conditions.
- Publication of the tender in **May 2026**

## If you are an End User

If you represent a **law enforcement agency, first responder, public authority, or other security organisation**, you can join the **User Observatory Group (UOG)**—a European network of practitioners supporting SHIELD PCP. The UOG ensures that the solutions developed in the project truly meet **real operational needs**.

- Members contribute their expertise to help define requirements, test prototypes, and evaluate the tools developed within the PCP process.

### By joining, you will:

- Exchange knowledge with peers from across Europe.
- Influence the development of new crowd protection solutions.
- Gain early insight into innovative approaches and technologies.

# Thank you for your attention!



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