InnoMatch

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EIC INNOVATION PROCUREMENT PROGRAMME

PATHMAKER / ORvital

case study

MYSPHERA

with the support of

DEPARTAMENT DE SALUT DE VALÈNCIA
CLÍNIC-LA MALVA-ROSA

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PILOT: MYSPHERA & Hospital Clínico Universitario de Valencia

PATHMAKER / ORvital | Healthcare, Hospital Process Automation, and Surgical Operations

16 ORS	25,000	81.7%	1
OPERATING ROOMS EQUIPPED	**ANNUAL SURGERIES COVERED**	**SURGICAL BLOCK EFFICIENCY**	**FURTHER COLLABORATION PLANNED**
Full Bluetooth tracking installed across 16 active operating rooms	Surgical suite processing approx. 25,000 scheduled patient surgeries per year	Established baseline surgical suite operational capacity utilization	Formal public contract planned by hospital to move into routine use

PILOT PROFILE

EIC Awardee: MYSPHERA

Solution: PATHMAKER / ORvital

Partner: Hospital Clínico Universitario de Valencia / INCLIVA (Spain)

Testing Ground: Active surgical block comprising 16 operating rooms handling approx. 25,000 scheduled annual surgeries

Sector & Challenge Focus: Healthcare, Hospital Process Automation, and Surgical Operations

The Challenge

Hospital surgical departments suffer from operational delays, manual telephone coordination, and untracked patient movements between hospital wards, preparation rooms, and operating theatres. These communication bottlenecks cause delayed surgery start times, long patient waiting times, low operating theatre usage, and high anxiety for waiting families.

The Solution

PATHMAKER (ORvital) is a hospital process automation platform. Patients and staff wear small Bluetooth location wristbands. Sensors installed across the hospital track patient movements automatically through preparation, surgery, and recovery stages, triggering automated smartphone alerts for surgical teams to prepare operating rooms and updating waiting families via a mobile app.

Objectives

The pilot aimed to install location tracking hardware across 16 active operating rooms, automate surgical team notifications, measure operating room usage, and reduce patient waiting times.

Constrains

Installing Bluetooth sensors across 16 active operating rooms without interrupting daily surgical schedules required precise installation timing.

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Performance

The system was installed across 16 operating rooms at Technology Readiness Level 9. It automated patient tracking across 25,000 annual surgeries, establishing surgical block efficiency at 81.7%. The hospital has planned to award a public contract for next year to transition the system into routine operational use.

Partner Operational Improvements

Faster operating room turnover times, higher surgical suite capacity usage, and improved family satisfaction.

> *"Through the Virtual Waiting Room, ORvital gives families real-time updates during surgery, reducing anxiety and uncertainty at a very sensitive moment, improving transparency and trust in the public health system..."*
>
> **— Hospital Clínico Universitario de Valencia**

SUCCESSFUL PILOT VALIDATION

Hospital Valencia has planned a public contract for next year to transition the system into routine operational across 16 operating rooms, with plans to expand tracking to emergency care. Through the InnoMatch pilot, Hospital Clínico Universitario de Valencia, successfully tested MYSPHERA's ORvital platform, improving real-time visibility of patient flows, coordination among healthcare professionals and communication with patients' families. Demonstrating its strong commitment to innovation, the hospital invested its own resources in the infrastructure adaptation and installation works required to deploy the solution. The pilot validated the technology in a real clinical environment and gave the hospital confidence to continue using it beyond InnoMatch. The hospital is now preparing a procurement procedure for 2027, paving the way for long-term adoption and more efficient surgical operations.

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