

# IMPERIAL

## Horizon Europe Research Manager Event

Dr Nicola Gasparini

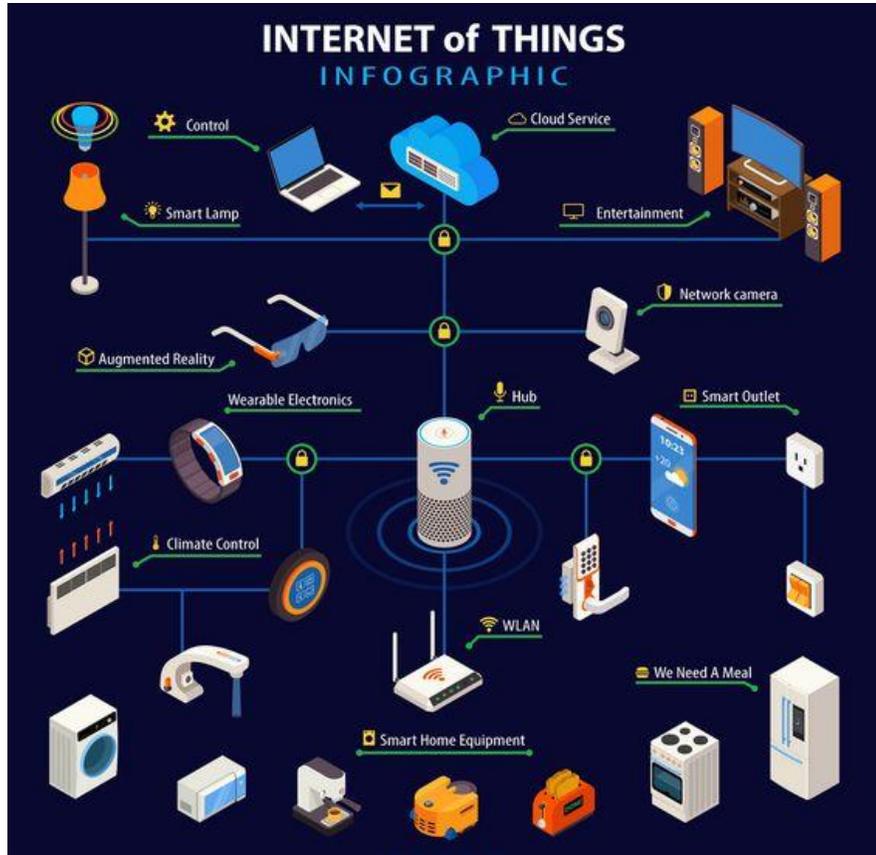
Associate Professor in Electronic Materials

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09/12/2025



# Current Research Contributions At Imperial



Industrial IoT market size worldwide for 2030 predicted to be \$111 billion!



Photovoltaics



Photodetectors



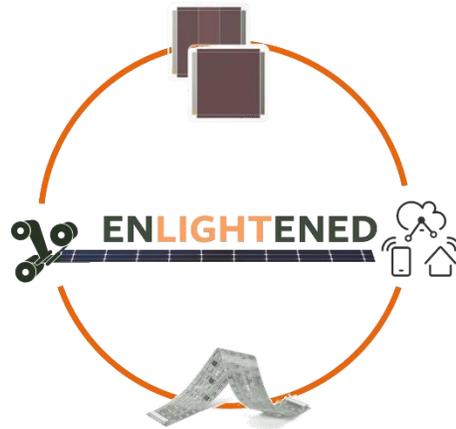
Healthcare  
sensors

# HORIZON-CL5-2024-D3-01-02 (HORIZON-IA HORIZON Innovation Actions) (15% success rate)

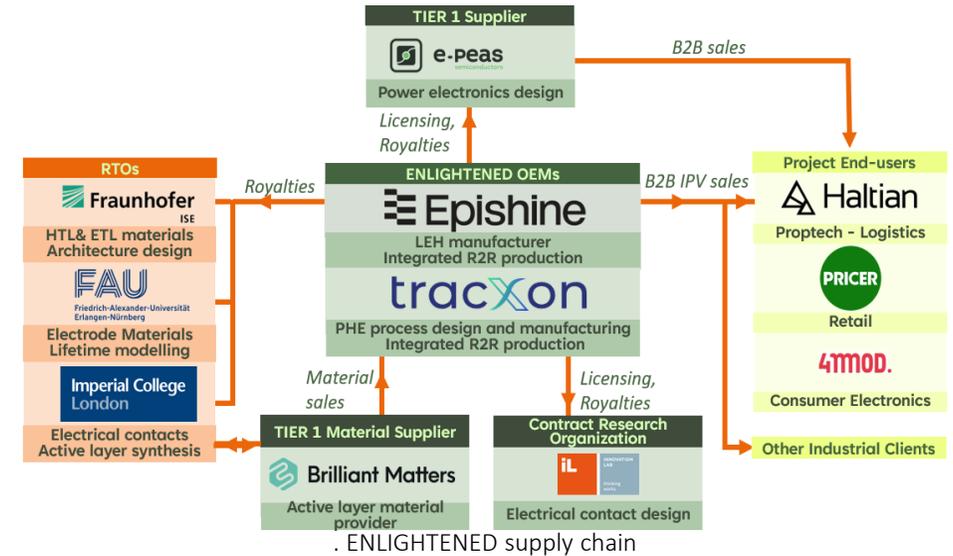
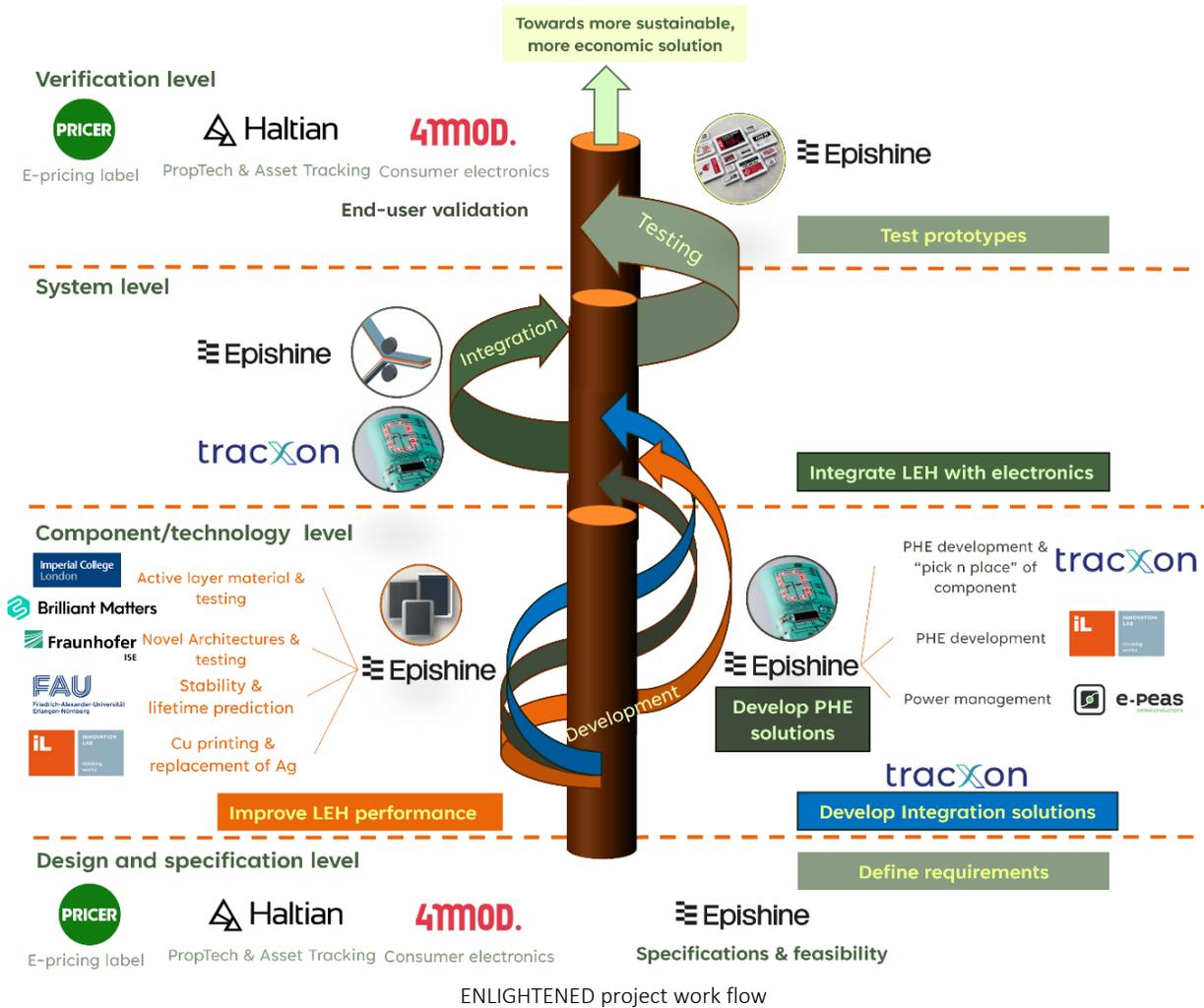
*“More efficient, clean, sustainable, secure and competitive energy supply through new solutions for smart grids and energy systems based on more performant renewable energy solutions”*

**ENLIGHTENED:** dEmonstratioN of integrated roll-to-roll assembly of LIGHT ENergy harvester and flexible hybrid Electronics to produce IoT Devices

Call: HORIZON-CL5-2024-D3-01  
 Type of Action: HORIZON-IA  
 Acronym: ENLIGHTENED  
 Number: 101172797  
 Duration: 36 months  
 GA based on the: HE Lump  
 Sum MGA — Mono/Multi - 1.null  
 Estimated Project Cost: €0.00  
 Requested EU Contribution:  
 €3,248,488.59  
 Current Phase: Grant  
 Management  
 Start Date: 01 Sep 2024



Participant No *	Participant organisation name	Participant short name	Country
1 (Coordinator)	Epishine AB	Epishine	Sweden
2	Haltian	Haltian	Finland
3	Pricer AB	Pricer	Sweden
4	4MOD Technology	4MOD	France
5	Imperial College London	ICL	UK
6	Friedrich-Alexander-Universitat	FAU	Germany
7	Fraunhofer Institute for Solar Energy Systems	FhG-ISE	Germany
8	TracXon	TracXon	Netherlands
9	e-peas	E-peas	Belgium
10	InnovationLab GmbH	InnoLab	Germany
11	Brilliant Matters	BM	Canada



Very specific lists of milestones (10) and deliverables (32)! And Critical risks for implementation (>50)

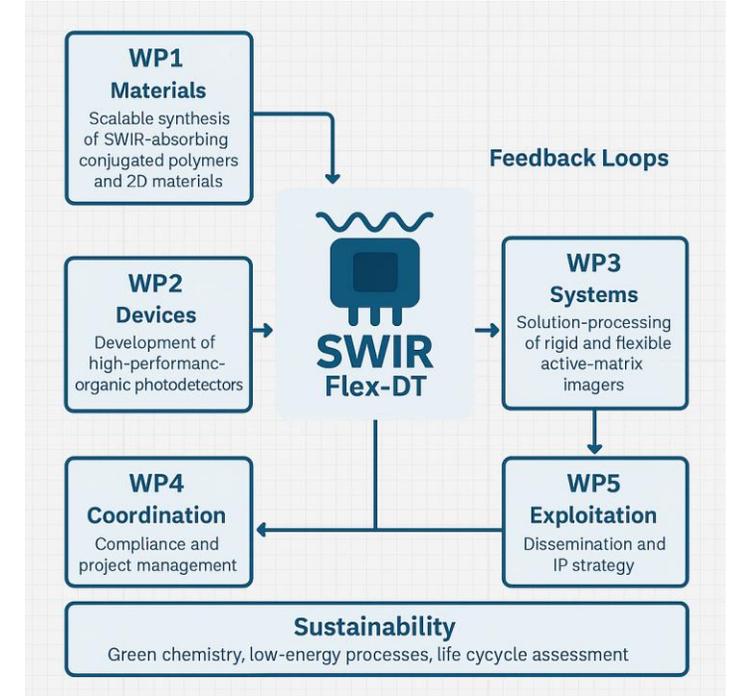
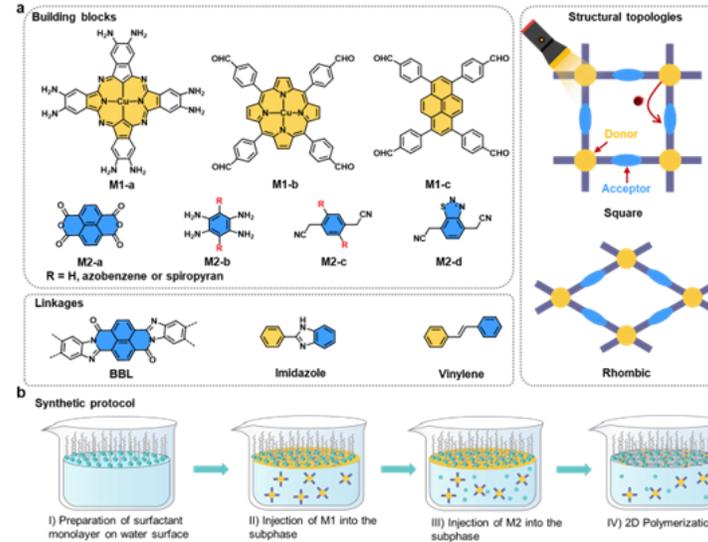
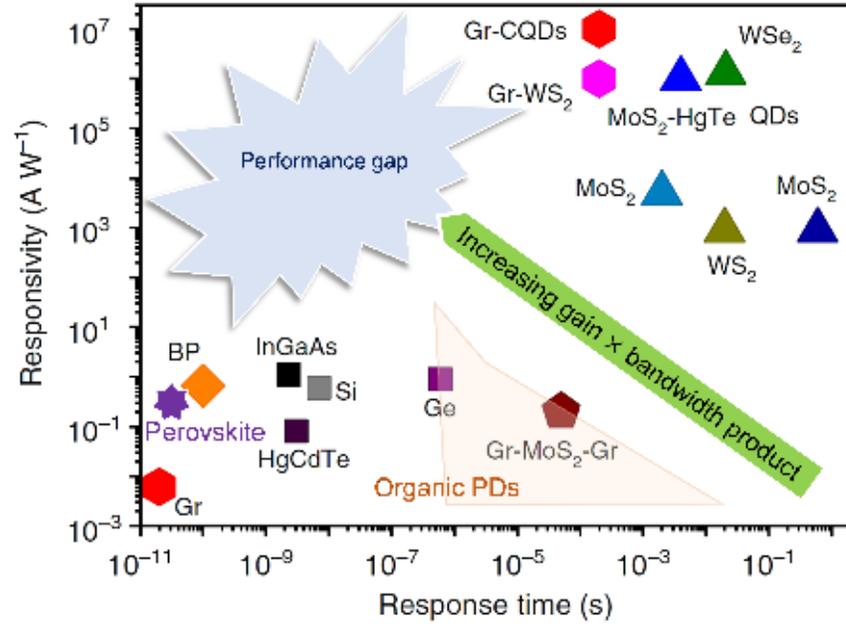
# HORIZON-EIC-2025-PATHFINDEROPEN (2.7% success rate)

## SWIRFlexDT: Advanced Organic Semiconductor Materials for Flexible SWIR Photodetection

**Call:** HORIZON-EIC-2025-PATHFINDEROPEN  
**Type of Action:** HORIZON-EIC  
**Acronym:** SWIRFlex-DT  
**Number:** 101257652  
**Duration:** 42 months  
**GA based on the:** HE MGA — Multi & Mono - 1.2  
**Estimated Project Cost:** €4,051,299.75  
**Requested EU Contribution:** €4,051,299.75  
**Current Phase:** Grant preparation  
**Start Date:** 01 Apr 2026

PARTICIPANT #	ORGANISATION NAME	SHORT NAME	COUNTRY
1 (Leader)	National Hellenic Research Foundation	NHRF	Greece
2	National Technical University of Athens	NTUA	Greece
3	ACE	ACE	Greece
4	Martin Luther University, Halle-Wittenberg	MLU	Germany
5	Imperial College London	ICL	UK
6	The University of Edinburgh	UoE	UK
7	University of Manchester	UoM	UK
8	Max-Planck Institute of Microstructure Physics	MPG	Germany
9	Universidade da Coruña	UdC	Spain
10	LinkZill	LZ	UK
11	PNO Innovation	PNO	Greece





3 WPs, 15 Deliverables, 6 Milestones, 7 Critical risks for Implementation

**IMPERIAL**

**Thank you**