

# Advanced integrated photonic devices for extended features and ultra-low power consumption (RIA) (Photonics Partnership)

Horizon Europe

CODE	SCOPE
HORIZON-CL4-2027-05-DIGITAL-EMERGING-03	International
LOCATION	STATUS
Europe	Pending
PROGRAM	CURATED BY
Horizon Europe	Marlene Faria
GENERATED AT	
June 19, 2026	

## Financial Details

SUPPORT TYPE	MAXIMUM FUNDING RATE
Non-Refundable	100%
BUDGET	ELIGIBLE PROJECT VALUE
25M€	Up to 5M€
MAXIMUM DURATION	
48 months	

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## Dates & Deadlines

### PUBLICATION DATE

June 15, 2026

### OPENING DATE

November 17, 2026

### Application Phases

- Fase única: March 18, 2027 at 04:00 PM

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## Objectives

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This Horizon Europe Research and Innovation Action (RIA) , implemented under the Photonics Partnership , aims to advance the development of next-generation integrated photonic devices and circuits with enhanced functionality, superior performance and ultra-low power consumption. The call seeks to strengthen Europe's leadership in photonics by enabling the wider deployment of photonic technologies across strategic sectors such as digital technologies, industry, automotive, healthcare and security. Projects are expected to improve the performance of electro-optic systems while reducing energy consumption and increasing the competitiveness of the European photonics ecosystem.

### Funding

The topic is funded as a Horizon Europe Research and Innovation Action (RIA) with an indicative budget of €25 million . The call follows a single-stage submission process , opening on 17 November 2026 and closing on 18 March 2027 . Funding supports collaborative research projects capable of delivering breakthrough advances in integrated photonics and low-power electro-optic technologies.

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## Eligible Expenses

- Personnel Costs
- Travel and Subsistence costs
- Equipment costs
- Other goods, works and services costs
- Subcontracting
- Indirect Costs

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## Eligibility

### Eligible Sectors

- ICT & Software
- Industry

### Company Sizes

- Micro
- Sme
- Small Mid-Cap
- Mid-Cap

- Large
- Public entities

### Application Mode

- Consortium / Copromotion

### Action Types

- Research and Innovation Actions

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## EU Programme Details

#### CALL ID

HORIZON-CL4-2027-05-DIGITAL-EMERGING-03

#### CLUSTER

Digital, Industry and Space (Cluster 4)

#### DESTINATION

D3. Achieving open strategic autonomy in digital and emerging enabling technologies

#### SUBMISSION MODE

Single-stage

#### EU CONTRIBUTION

Around €3,000,000.00 to €5,000,000.00 per project

#### EXPECTED PROJECTS

6

#### FUNDING RATE RULE

Up to 100% of eligible costs for Research and Innovation Actions (RIA)

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## Official Links

Official Regulation:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL4-2027-05-DIGITAL-EMERGING-03?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL4-2027-05-DIGITAL%20EMERGING-03&isExactMatch=true>

Grantavia page: <https://grantavia.com/en/incentives/advanced-integrated-photonic-devices-for-extended-features-and-ultra-low-power-consumption-ria-photonics-partnership>

Schedule a meeting: <https://calendly.com/ines-carreira-fi-group/reuniao>