

EU cascade projects for product/production/process development



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EU cascade projects as instruments for funding or enabling technologies

- Several ongoing EU-projects provide project funding or technical facilities for European SME's to develop company's product, production or processes.
- VTT is currently involved in five of them
- In the next EU framework program, it is predicted that even more similar project will start
- Usually such EU project give support for companies by giving "vouchers" to buy work, research or to get an access to research facilities from R&D institutes.
 - Payback conditions may apply to some projects
- MGP suits for your company if:
 - There is a need for your product or production/process development
 - You think that VTT or other research partners (RTD) could help, but need funding, special technology or non-tech services.



INSCOPE - inscope-project.eu

Re-imagine the future of electronics

Project focus: Development steps from printed intelligence to R2R mass production

Requirements: Prototype available, company established

Company benefits: R2R processing support from RTD's

Project partners: At least 2 RTD's from INSCOPE project

Maximum project funding: 50 k€ (spent by RTD's)

Direct company funding (voucher): 0 k€

Company funding needed: 0 k€

Next call due date: Call open all the time

Last call: Projects terminated by end of 2019



INSCOPE

- Funding from the European Union's Horizon 2020 research and innovation program, and aims to create an open access pilot line service for Hybrid & Printed systems.
- Allows faster transition of product concept from R&D to product
- Supports the build of manufacturing capacity
- Will also give a great chance for SMEs to enter the market with THIN, ORGANIC and LARGE AREA ELECTRONICS enabled products.
- Hybrid thin organic large area electronics (H-TOLAE) can help businesses of all sizes from virtually all industries revolutionize their products. The InSCOPE pilot manufacturing line brings businesses state-of-the-art equipment and expertise from Europe's leading research organizations to bring new product concepts to life.

PI-SCALE / LYTEUS – pi-scale.eu, lyteus.eu

Customized flexible OLED light

Project focus: Prototyping of customized flexible organic light-emitting diodes (OLEDs)

Requirements: Company established

Company benefits: Solution to their technology/product problem

Project partners: None needed

Maximum project funding: 0 k€

Direct company funding (voucher): 0 k€

Company funding needed: To be negotiated

Next call due date: Call open all the time

Last call: Projects terminated by June 2019



PI-SCALE project

- The ambition is to create a world-leading open access pilot line based in Europe, for companies interested in the manufacture and system-level integration of flexible OLEDs into products.
- Will operate in an open access mode and serve customers from along the value chain with individual product designs, validation of upscaling concepts and system-level flexible OLED integration
- The pilot line service will enable companies of all sizes to quickly and cost effectively test and scale up their flexible OLED lighting or signage concepts, and bring them to a level where they are ready to be transferred to a mass production facility.
- By increasing the availability of, and knowledge about, flexible OLED technology the pilot line aims to accelerate the commercial adoption of flexible OLEDs and help to build a sustainable industry in Europe around this technology.

SMARTEES - smartees.eu

Acceleration program for the integration of flexible electronics technologies into novel products

Project focus: DEMOS - Printed electronics, hybrid integration of old structures to new forms by generating demonstrators

Requirements: Company established

Company benefits: Product development

Project partners: 2 RTD's from project 1) not from the same country as the company, 2) Tech and Non-Tech RTDs

Maximum project funding: 140 k€ (payback under dev.)

Direct company funding (voucher): 60 k€

Company funding needed: 25 k€ (in kind contribution)

Next calls due dates:

4th Cut-off: 19th of April 2019

5th Cut-off: 20th of September 2019



SmartEEs

- An original European acceleration program dedicated to help innovative companies to access new markets and grow their business in adopting flexible electronics in new products lines
- Will organize and deliver coordinated services and expertise to help IC's (Innovative Companies, such as start-ups, SMEs and Mid caps) develop new business ideas using flexible electronics technologies.
- One of the Digital Innovation Hubs (DIHs) which are ecosystems that consist of SMEs, large industries, start-ups, researchers, accelerators and investors
 - aim at creating the best conditions for long-term business success for all parties involved
 - help ensuring that every company, small or large, high-tech or not, can grasp the digital opportunities.

KET4CP - ket4sme.eu

Access to Key Enabling Technologies (KETs) to solve green problems

Project focus: Linking European technology centers (KET TCs) with European SMEs for cleaner, greener & more efficient production

Requirements: SME company, company established

Company benefits: Solution to their technology problem

Project partners: At least 2 KET TCs

Maximum project budget: 71,4 k€

Direct EU funding: Max. 50 k€

Company funding needed: Max. 21,4 k€ (= 30% of total project budget)

Next call due date: Call open non-stop

Last call: April 29th 2020



KET4CP

- Scope: Micro Grants are offered for transnational cooperation projects between small and medium-sized enterprises (SMEs) and minimum 2 KET technology centres (KET TCs), which aim to integrate key enabling technologies (KET) to solve clean production challenges
- Focus is on upgrading production processes
- By encouraging the use of advanced manufacturing technologies and related key enabling technologies (KETs), their production processes suppose to upgrade towards a more energy- and material-efficient state.

ACTPHAST 4.0 - actphast.eu

Accelerating Photonics Innovation for SME's

Project focus: Photonic innovations or photonics enabled innovations

Requirements: SME or Large company based in Europe

Company benefits: Research results

Project partners: ? (ACTPHAST 4.0 partners)

Maximum project funding: 100 k€

Direct company funding: 0 k€

Company funding needed: 25% for over 30 k€ (in kind contribution)

Next call due date: Call open all the time

Last call: Projects terminated by end of 2021



ACTPHAST 4.0

- Supports and accelerates the innovation capacity of European companies by providing them with direct access to the expertise and state-of-the-art facilities of Europe's leading photonics research centres (the ACTPHAST 4.0 Partners), enabling companies to exploit the tremendous commercial potential of applied photonics.
- 24 research institutes who together make up the ACTPHAST 4.0 Partners
- Partners provide a full spectrum of photonics technology platforms ranging from fibre optics and micro optics, to highly integrated photonic platforms (7 technology platforms in all), with capabilities extending from design through to full system prototyping
- Operates as an open call to all European companies (big and small, but particularly targeted at SMEs) so they can avail of timely, cost-effective and low risk photonics innovation support
- Extensive range of capabilities within the consortium can impact across a wide range of industrial sectors and application domains, from communications to consumer-related products, and life sciences to industrial manufacturing.

DIATOMIC - diatomic.eu

Support to bring smart microelectronics solutions to life

Project focus:	Health, agrifood and manufacturing
Requirements:	SME or Large company based in Europe
Company benefits:	Development of novel products using Advanced Microelectronics and Smart Integration Systems
Project partners:	At least two partners
Maximum project funding:	200 k€
Direct company funding:	120 k€
Company funding needed:	Preferred
Last call:	1.11.2018-31.1.2019



DIATOMIC

- Smart Anything Everywhere (SAE) is an initiative of the European Commission that looks to accelerate the design, development and uptake of advanced digital technologies by European industry, in particular SMEs and mid-caps
- The core objective is to deliver products and services that include highly innovative electronic components and systems, and especially in low-tech sectors, which are ripe for investment and innovation.
- The SAE is building collaborative ecosystems in which industrial actors across the complete value chain engage in a large number of small application experiments facilitated by Europe's leading competence centers
- At the core of the initiative are networks of competence centers, usually research technology organizations (RTOs) or technology transfer-oriented university institutes, ready to support small-to-medium businesses on a wide variety of technical and application issues
- SME's who are great sources of innovation, but often struggle obtaining resources, and middle size companies can experiment with new technologies, try them out in their processes, and work together with the suppliers of the technology to adapt it to their specific needs.

SUMMARY

Project	Focus	Funding Total	Funding for Company	Company Funding	Next call
INSCOPE	R2R processing	50 k€	0 k€	0 k€	Open call
PI-SCALE	Customized flexible OLEDs	0 k€	0 k€	tbd	Open call
SMARTEES	Generating demos	140 k€	60 k€	25 k€	Nov 2018
KET4CP	More efficient & cleaner & greener production	71,4 k€	50 k€	21,4 k€	Open call
ACTPHAST 4.0	Photonic innovations or photonics enabled innovations	100 k€	0 k€	In kind contribution	Open call
DIATOMIC	Health, agrifood and manufacturing	200 k€	120 k€	Preferred	Jan 2019



Note:

It is important to check the terms and funding rules of each project, as terms and conditions vary project by project

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Thank you for your attention!

Questions?

VTT – beyond the obvious