

FUNCTIONAL PRINT CLUSTER

Innovative and transversal ecosystem that assemble ninety companies, technology centers and knowledge entities, in Spain and southern Europe

OBJECTIVES

- Promotion, dissemination and integration of advanced printing technologies, to create new business opportunities.
- From R&D&I to industry, through collaboration, training and internationalization
- Engine for industrial transformation, facilitating collaboration between members and the integration of advanced technological solutions.

SERVICES AND STRATEGIC LINES

- | | |
|--------------------------------|--|
| ● New business opportunities | ● Working Groups by Market |
| ● State of art | ● Identification of Technological Trends and Opportunities |
| ● Market surveillance | ● Business Support |
| ● Network of contacts | ● Strategic Internationalization |
| ● R&D&I projects | ● Awareness and dissemination of technologies |
| ● Training | |
| ● Technological Working Groups | |



3NEO, SPANISH TECHNOLOGICAL PLATFORM FOR ADVANCED PRINTING

Functional Print Cluster and 3NEO join forces to enhance collaboration between academia and business in the advanced printing value chain.

Together they establish the strategic agenda of research aligned with the technological demands of the key industrial sectors.

CONTACT:

C. de Emilio Arrieta, 8, Planta 7.
31002 Pamplona. Navarra. Spain
Phones:
+34 722861818 (Communication)
+34 623129902 (Projects)
+34 623129187 (General)

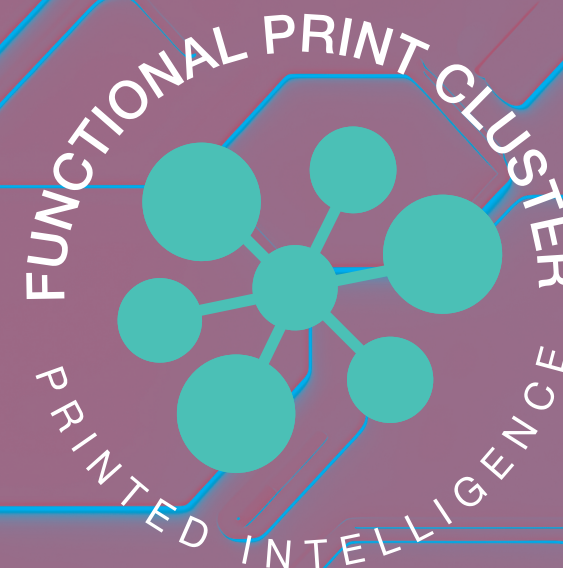


www.functionalprint.com
info@functionalprint.com



www.3neo.org
secretaria@3neo.org

Activities financed by:



PRINTING VALUE, EMPOWERING INDUSTRY



INTERNATIONALIZATION

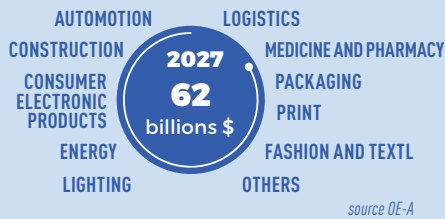
Spain actively participates in the field of printed electronics and functional printing technologies, which is technology in rapid and constant evolution and with high potential in growth and innovation.

MARKET VOLUME

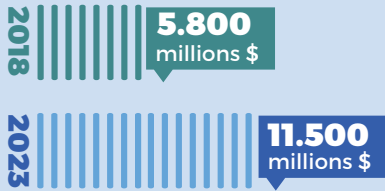
LARGE SURFACE ELECTRONIC FUNCTIONAL, FLEXIBLE AND/OR ORGANIC PRINTING



FUNCTIONAL PRINTING MARKET TRENDS & PROJECTIONS



PRINTED ELECTRONICS MARKET



APPLICATIONS WITH HIGHER GROWTH IN THE MARKET

- >> LIGHTING SOLUTIONS
- >> PRINTED BATTERIES
- >> SENSORS
- >> HEATING
- >> CIRCUITS
- >> COMMUNICATIONS
- >> WEARABLES
- >> WIRING
- >> PHOTOVOLTAIC

DEVELOPMENT TECHNOLOGIES

FUNCTIONAL AND ADDITIVE PRINTING TECHNOLOGIES

- PRINTED ELECTRONICS
- ADDITIVE
- FUNCTIONAL ADDITIVE
- TEXTRONICS
- PLASTRONIC - IN MOLD
- ELECTRONICS
- COMPOSITRONICS
- BIOPRINTING
- BIOSENSORS & ELECTRODES
- COATINGS

IMPLEMENTATION AND STRATEGIC SECTORS

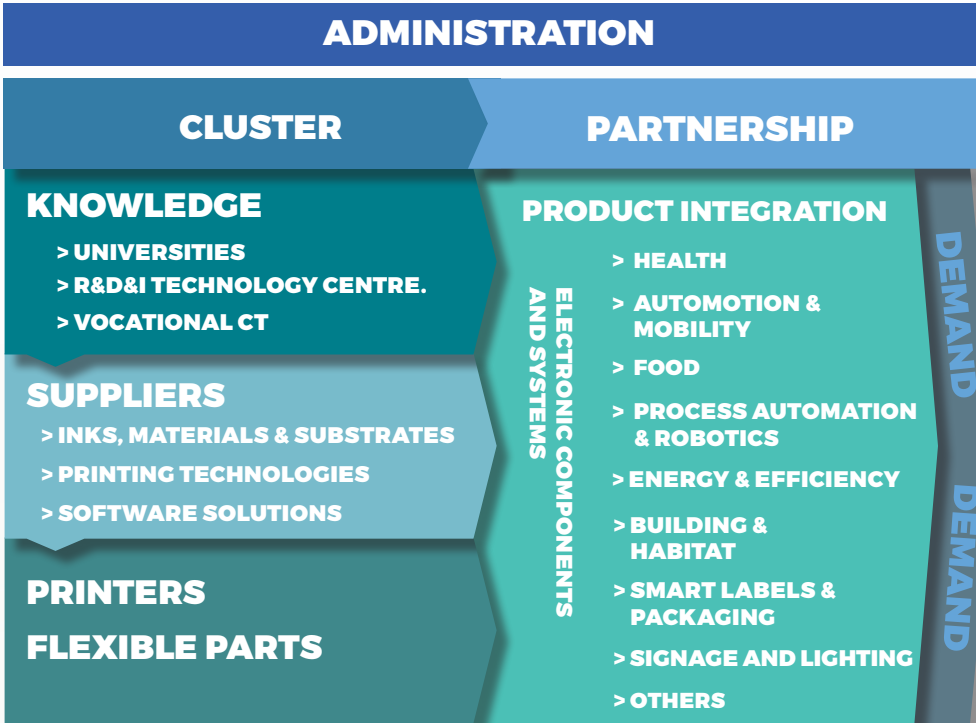
- HEALTH
- PACKAGING
- MOBILITY
- HABITAT & SMART BUILDING
- ELECTRONICS & IOT

STRATEGIC AND COLLABORATIVE ECOSYSTEM

Functional Print Cluster was born from the need for diversification and innovative transformation of traditional sectors such as graphic arts, industrial screen printing and conventional electronics, sectors with concerns in diversifying markets and clients

It brings **together companies specialized in traditional printing technologies** with **the aim of adding value to their products and accessing a larger market**. The link of knowledge and integrative demand, they are an important and fundamental part of an ecosystem collaborator that promotes technology transfer

Knowledge and integrative demand are an important and fundamental part of a collaborative ecosystem that promotes technology transfer.



PROJECT DEVELOPMENT INTERNATIONALIZATION AND TRAINING



INFINITE

- Intelligent printing, flexible and organic electronics Excellence)
- European collaborative Erasmus initiative
 - Development of an educational system of excellence in Vocational Training (VET) in the field of printed, flexible and organic electronics.
 - Promote the PUSH of this sector, providing trained professionals and specialized knowledge through the creation of a new vocational training system.
 - Cover the needs of value chains.



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IRIS EDIH

Partner entity of the Navarra Digital Innovation Pole, within the framework of the Digital Europe program, selected by the European Commission to be part of the first network of European Digital Innovation Hubs (EDIHs).

IRIS acts as a catalyst for digital transformation by offering its specialized services in Artificial Intelligence, Supercomputing and Personalized Precision Medicine for companies and public entities both at regional, national and European level

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OTHER FUNCTIONAL PRINT CLUSTER PROJECTS

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