UNIVERSITAT DE BARCELONA

UB CEMIC

CEMIC

MICROSYSTEMS ENGINEERING CENTRE

University of Barcelona (UB)

Home » Innovate in Catalonia » R&D in Catalonia

ACCIÓ Generalitat de Catalunya

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bout the Centre

he CEMIC is a research and technology entre that works in the fields of lectronic engineering and IT.

he CEMIC focuses its efforts on the evelopment of European and national rojects, it is proactive in promoting nd retaining the loyalty of its industrial artners on R&D projects, it actively ursues policies for the protection of ntellectual property, and it has a exible, multidisciplinary team.

Address

Martí i Franquès 1, Planta 2
08028 - BARCELONA
Barcelonès

Telephone / Email

(+34) 93 403 9137
acirera@ub.edu

Contact representative

Dr. Albert Cirera

Website

http://www.cemic.ub.es

Director

Dr Josep Maria López Villegas

Surface

900 m²

Personnel

Staff	98
PhD holders	51

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CEMIC: 6 Catalan Leading Research Groups

CEMIC-Department of Electronics joins research and innovation from 6 Leading Research Groups of the University of Barcelona (UB):

Bioelectronics and Nanobioengineering (SIC-BIO) Dr. Josep Samitier

Intelligent Signal Processing (ISP) Dr. Santiago Marco

Group of Radio Frequency (GRAF) Dr. Josep Maria López Villegas

Electronic Materials and Energy (M-2E) Dr. Joan Ramon Morante

Micro-and nanotechnology for electronics and photonics (MIND) Dr. Albert Cornet

Instrumentation Systems and Communications (SIC) Dr. Atilà Herms

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Departament d' Electrònica
Universitat de Barcelona

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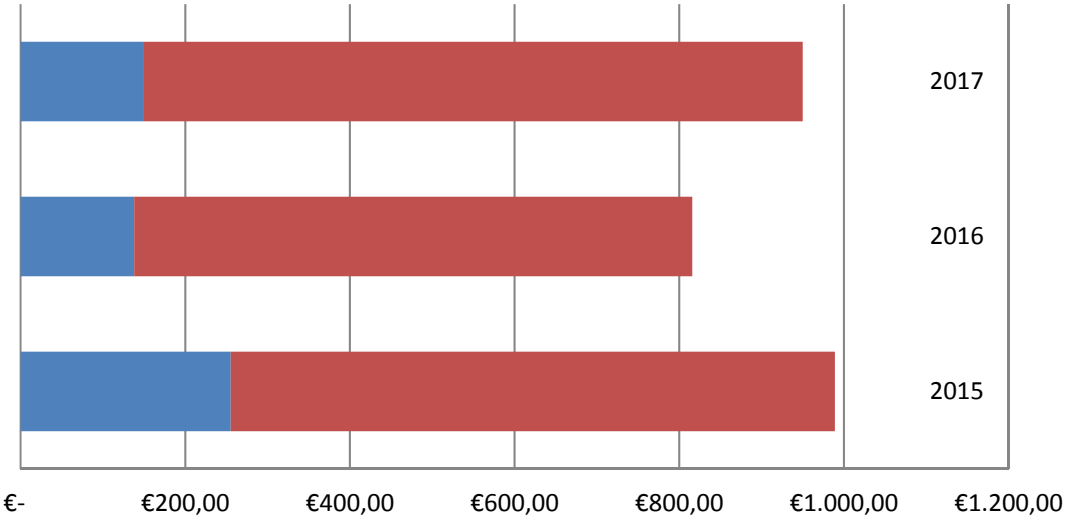
Evolució Ingressos CEMIC 2015-2017



	2015	2016	2017
Facturació RD amb empreses	€255.369,00	€138.127,00	€150.000,00
Fons competitius	€733.620,00	€677.659,00	€800.000,00
Fons no competitius	€-	€-	€-

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Leading sectors

ENERGY AND NATURAL RESOURCES

Environmental intelligence systems. Measurement of the energy content in natural gas. Power management.

FOOD INDUSTRIES

Smart cards for tracking merchandise. Analysis of VOCs in food.

INDUSTRIAL SYSTEMS

Control systems for industrial robot arms used in high precision positioning.

SUSTAINABLE MOBILITY

Systems for recoding the state of drivers. Air quality control.

HEALTH INDUSTRIES

Capsule endoscopy. Portable medical and testing devices. Non-intrusive systems for picking up biomedical signals. Analysis of metabolomic data.

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Key Enabling Technologies

ICT

VLSI CMOS. BiCMOS. FPGAs. Microsystems and electronic systems. Sensors. Actuators. Robots. RF.

NANOTECHNOLOGY

Measurement of position and control of nanometric displacement. FIB. SEM-TEM-HREM. Characterisation.

ADVANCED MATERIALS

Metal oxides. Semiconductors. Environmentally friendly ink for inkjet semiconductor systems. Characterisation.

PHOTONICS

Design of high speed cameras. SPADs. Molecular detection by fluorescence and autofluorescence.

ADVANCED MANUFACTURING

Flexible and transparent electronics. Inject printing for electronic devices.

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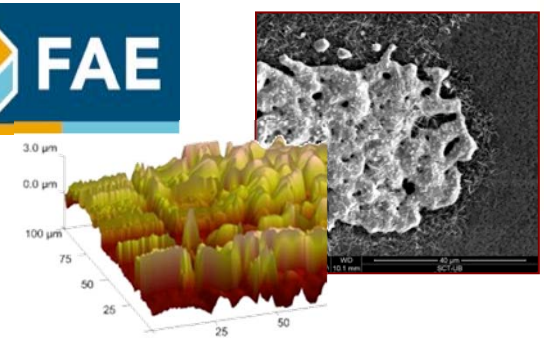
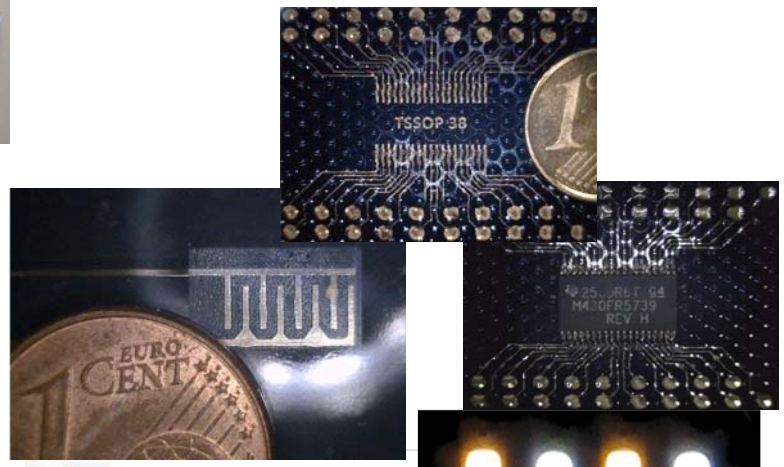
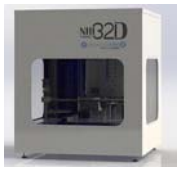
FAE

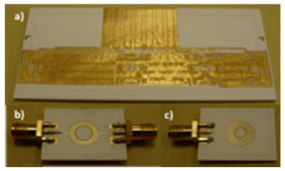


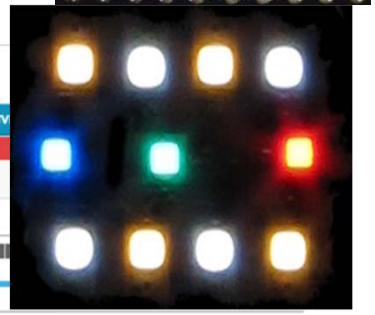
Bosch-Siemens

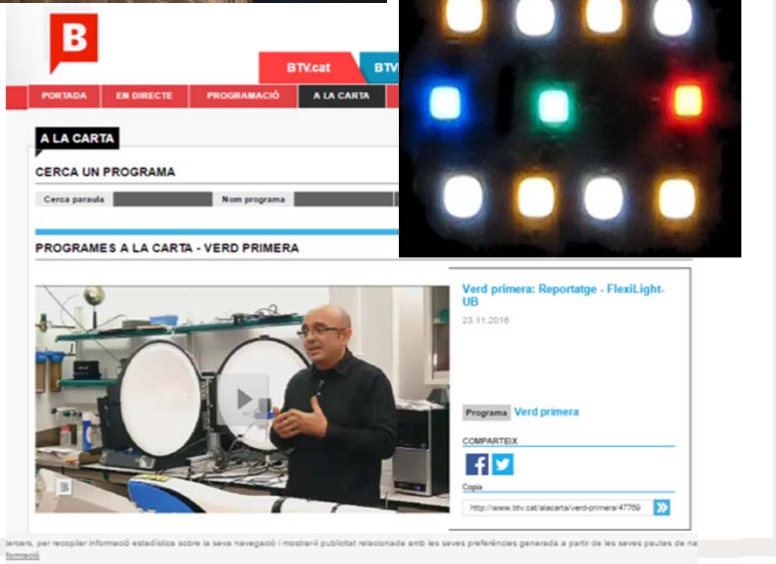


FUNDACIÓ cim UPC
BARCELONATECH









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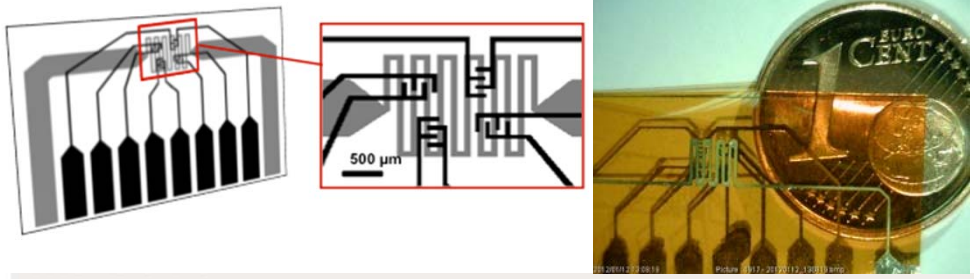
AERO ENGINEERING



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