

# Lynceus2Market Project

SIGNALGENERIX PARTICIPATION AND BENEFITS







# Who we are

## LEADING R&D COMPANY IN CYPRUS IN DSP & COMMUNICATIONS

- We are based in Limassol, Cyprus, and we operate as expert providers of innovative Digital Signal Processing technologies, realized in SW and HW, to a wide network of international clients and collaborators.
- We are developing state-of-the-art DSP-based electronic products and processes for a wide range of industries
- We have an In-house R&D team of fifteen DSP & Communications engineers. Seven with PhD.
- We have State-of-the-art R&D Infrastructure
- We own a widely based portfolio of Intellectual Property Rights (Patents, trademarks)
- We have a strong and long term sustained network of clients and collaborators in 24 European Union countries
- We successfully participated in European, National and Commercial R&D projects exceeding 100M€
- We are certified with ISO 9001:2015, ISO/IEC 27001:2013



SignalGeneriX is an acting member of the following organisations:



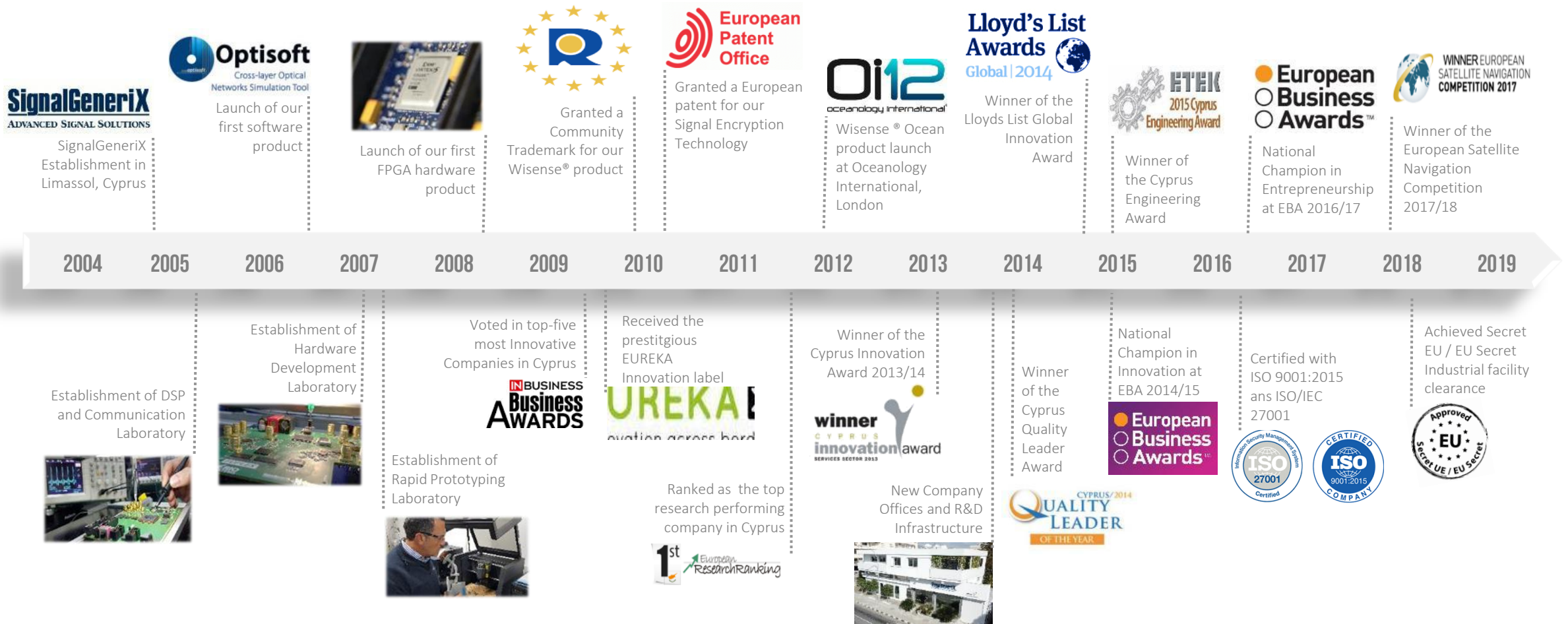
EUROPEAN ASSOCIATION OF RESEARCH AND TECHNOLOGY ORGANISATIONS



**SignalGeneriX**  
ADVANCED SIGNAL SOLUTIONS

# Our History and Company's Milestones

FOURTEEN YEARS OF EXCELLENCE IN INNOVATION AND CONTINUOUS GROWTH



# What we do

**WE ADD VALUE TO OUR CUSTOMERS OPERATIONS THROUGH THE DEVELOPMENT OF INNOVATIVE TECHNOLOGIES**



## **RESEARCH & DEVELOPMENT**

We are dedicated to top level research for the development intellectual property products over a broad range of DSP and Communications applications. We are focused on applying our IP and latest research outcomes to real world problems where our clients need beyond the state-of-the-art solutions.



## **ELECTRONIC PRODUCT DEVELOPMENT**

We are providing our clients with state-of-the-art technology and assisting them in the development of novel electronic products. We offer a complete set of services ranging from system design, hardware design and fabrication to prototype development, field testing and evaluation.



## **RAPID PROTOTYPING & MANUFACTURING**

We are designing and producing the world's finest electronics parts and products for our customers. We are committed to translating innovative designs and inventions to manufactured prototypes. We are a "one-stop shop" for prototyping, rapid tooling, 3D printing and low-volume manufacturing.



## **SMART SYSTEMS INTEGRATION**

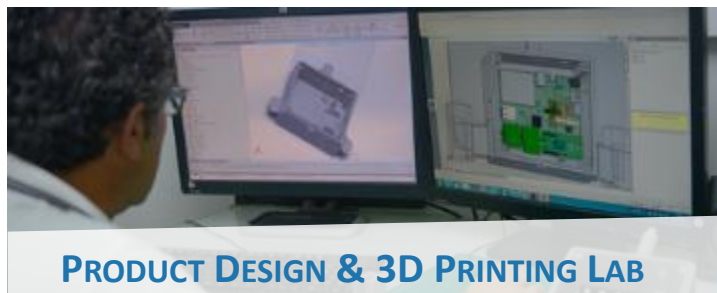
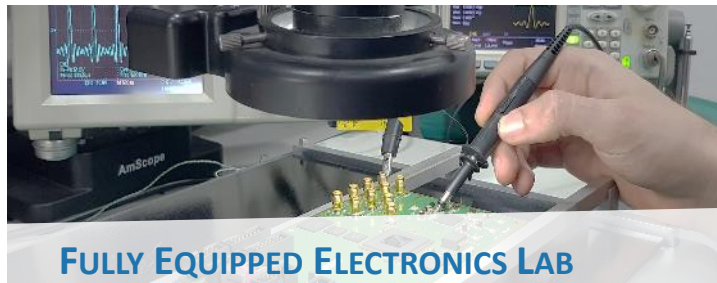
We integrate our technologies with third party products to develop novel smart systems & solutions for our customers. We form strong partnerships with vendors and established high-tech companies for designing and implementing complex integrated solutions through EU and public procurement.



# Our Facilities

**WE INVEST IN CUTTING-EDGE RESEARCH & DEVELOPMENT FACILITIES WHICH ARE THE BACKBONE OF OUR WORK**

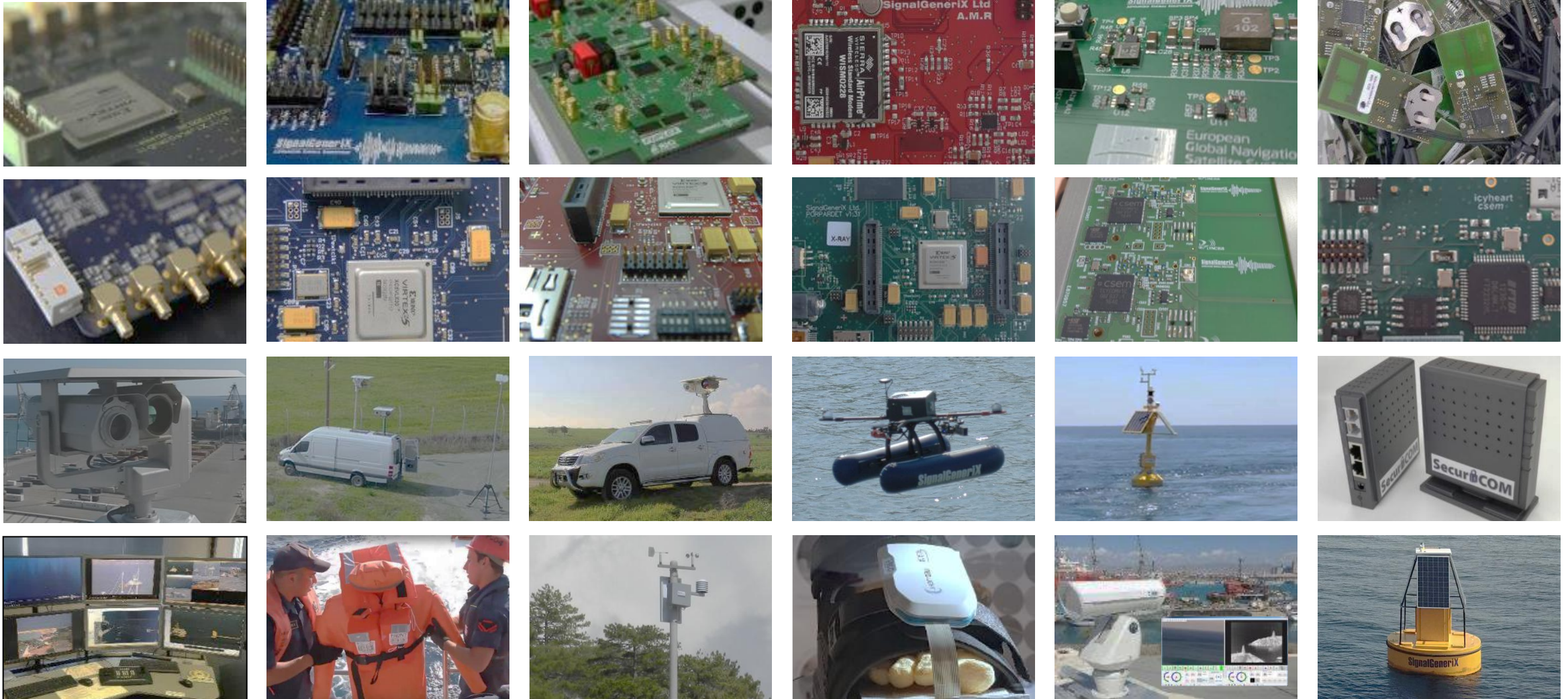
Our state-of-the-art labs and equipment guarantee our high standards of research and innovation capabilities





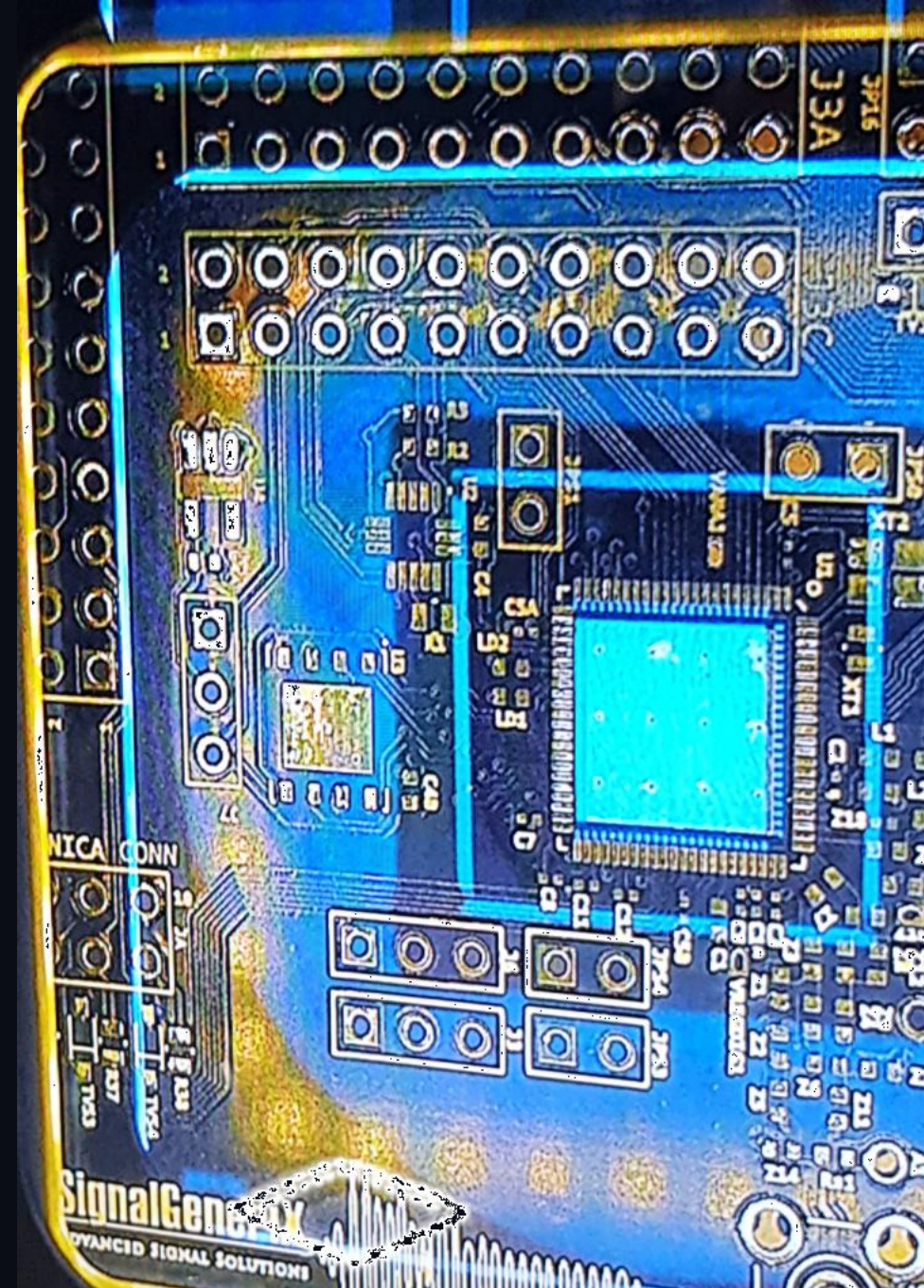
# Some Examples of Work

WE WORK CLOSELY WITH OUR CLIENTS TO DEVELOP INNOVATIVE TECHNOLOGIES, ELECTRONIC PRODUCTS AND INTEGRATED SMART SOLUTIONS





# LYNCEUS2 MARKET OVERVIEW





# Lynceus Project

EIGHT YEARS OF RESEARCH AND DEVELOPMENT AND A TOTAL OF 13.47M EURO INVESTMENT

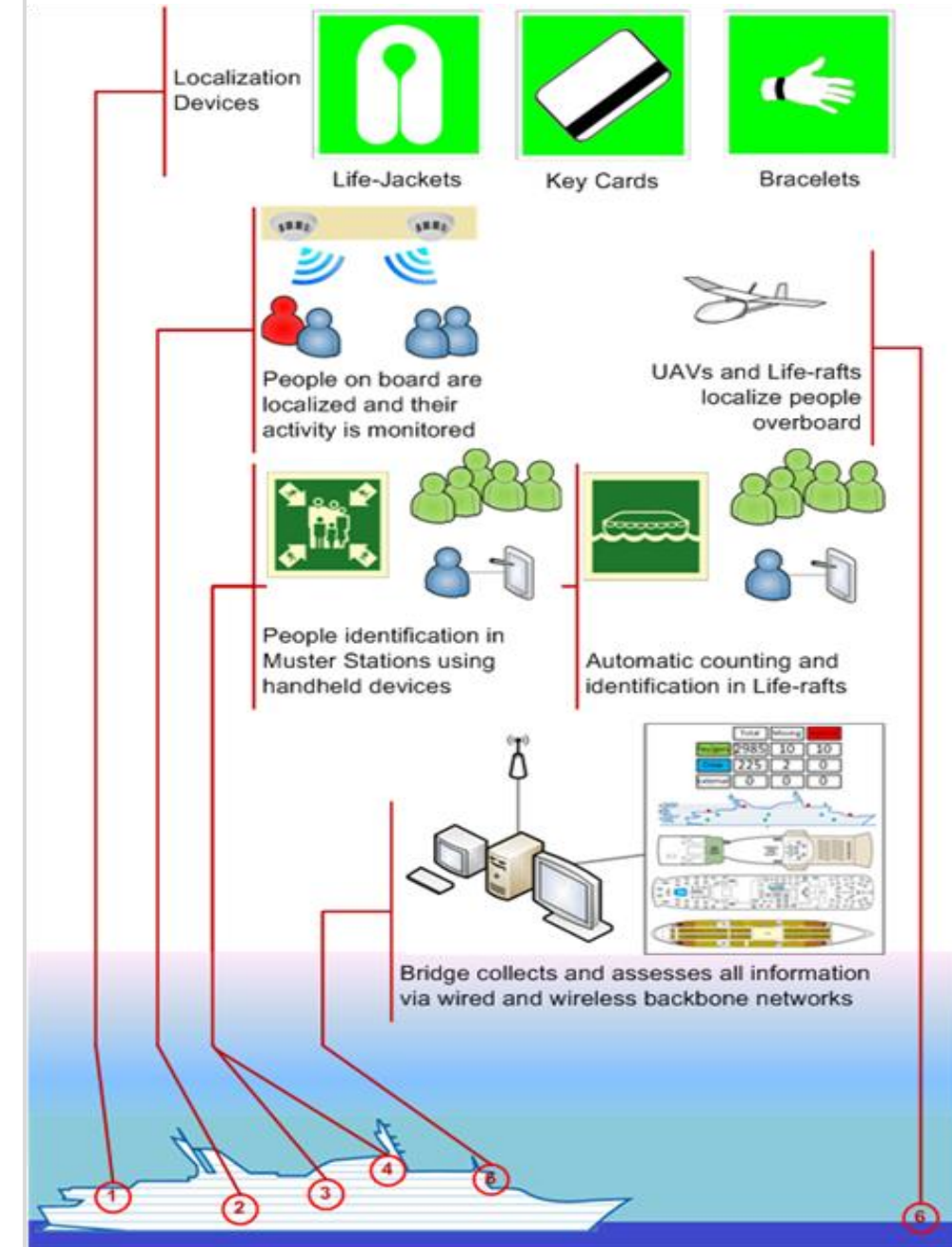
## AIM OF THE PROJECT:

To investigate and demonstrate through large scale demonstrations on passenger ships, ultra-low power wireless technologies for enabling unobtrusive localisation and tracking of people for onboard and overboard search and rescue as well as for safe evacuation of ships during emergency.

## FUNDING FROM EUROPEAN COMMISSION AND PRIVATE SECTOR:

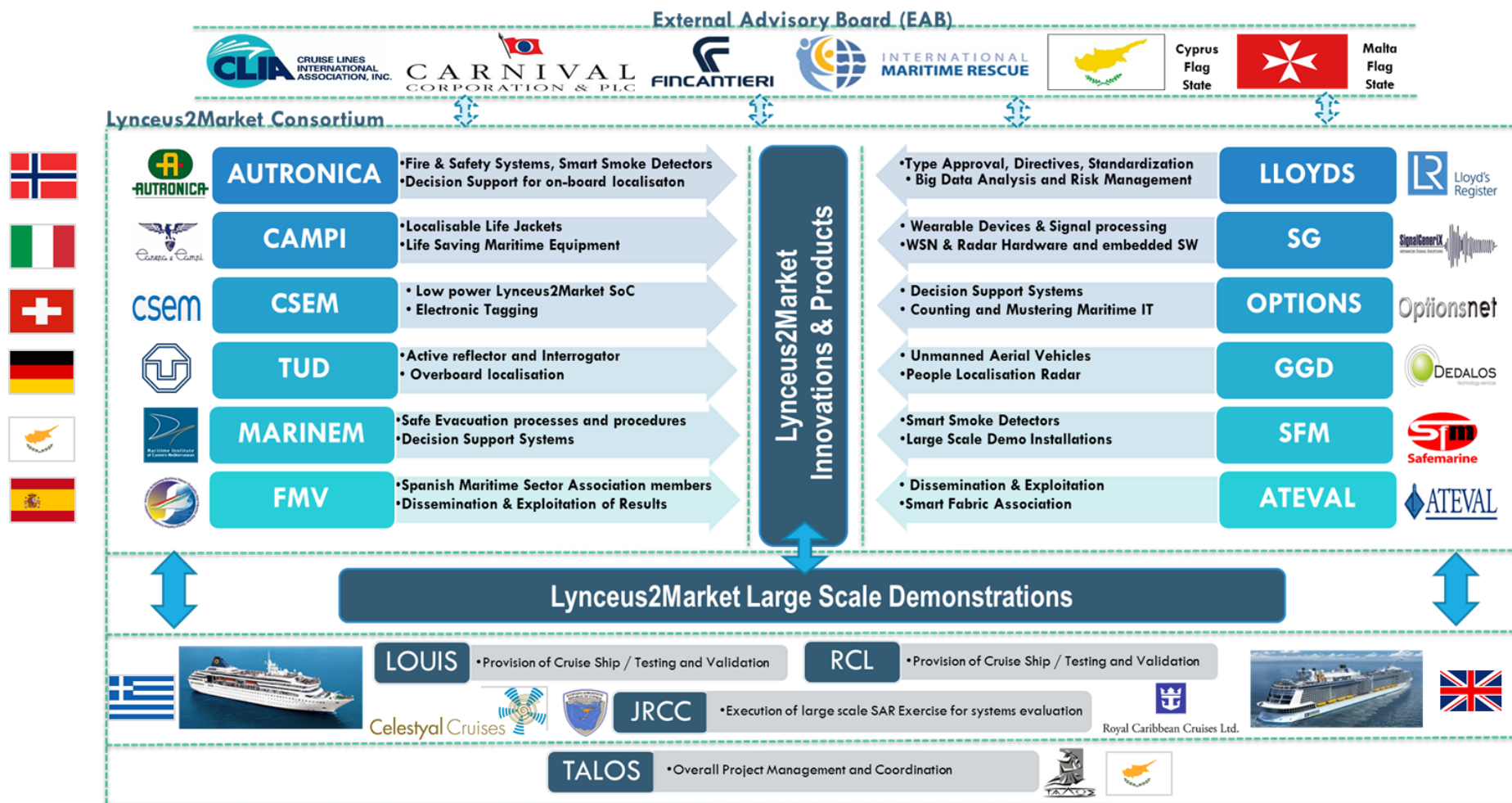
- FP7- SME-2011-2 / Research for SME associations  
Total Cost: 3.32M€  
EU contribution: 2.54M€  
Private contribution: 0.78M€  

- MG-4.2-2014 - Safer and more efficient waterborne operations through new technologies and smarter traffic management  
Total Cost: 10.15M€  
EU contribution: 7.26M€  
Private contribution: 2.89M€  

# The Lynceus2Market Consortium

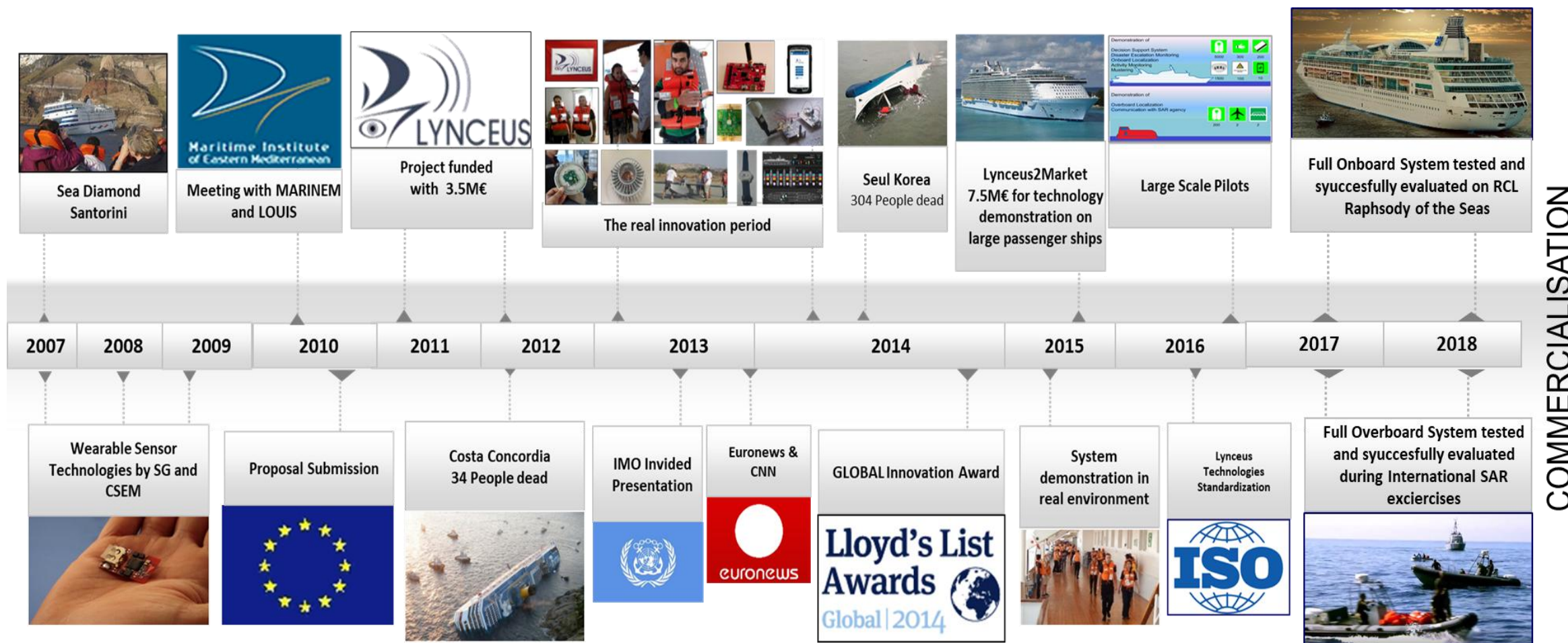
SIXTEEN ORGANISATIONS FROM EIGHT COUNTRIES IN JOINT EFFORT FOR THE DEVELOPMENT OF THE PROJECT





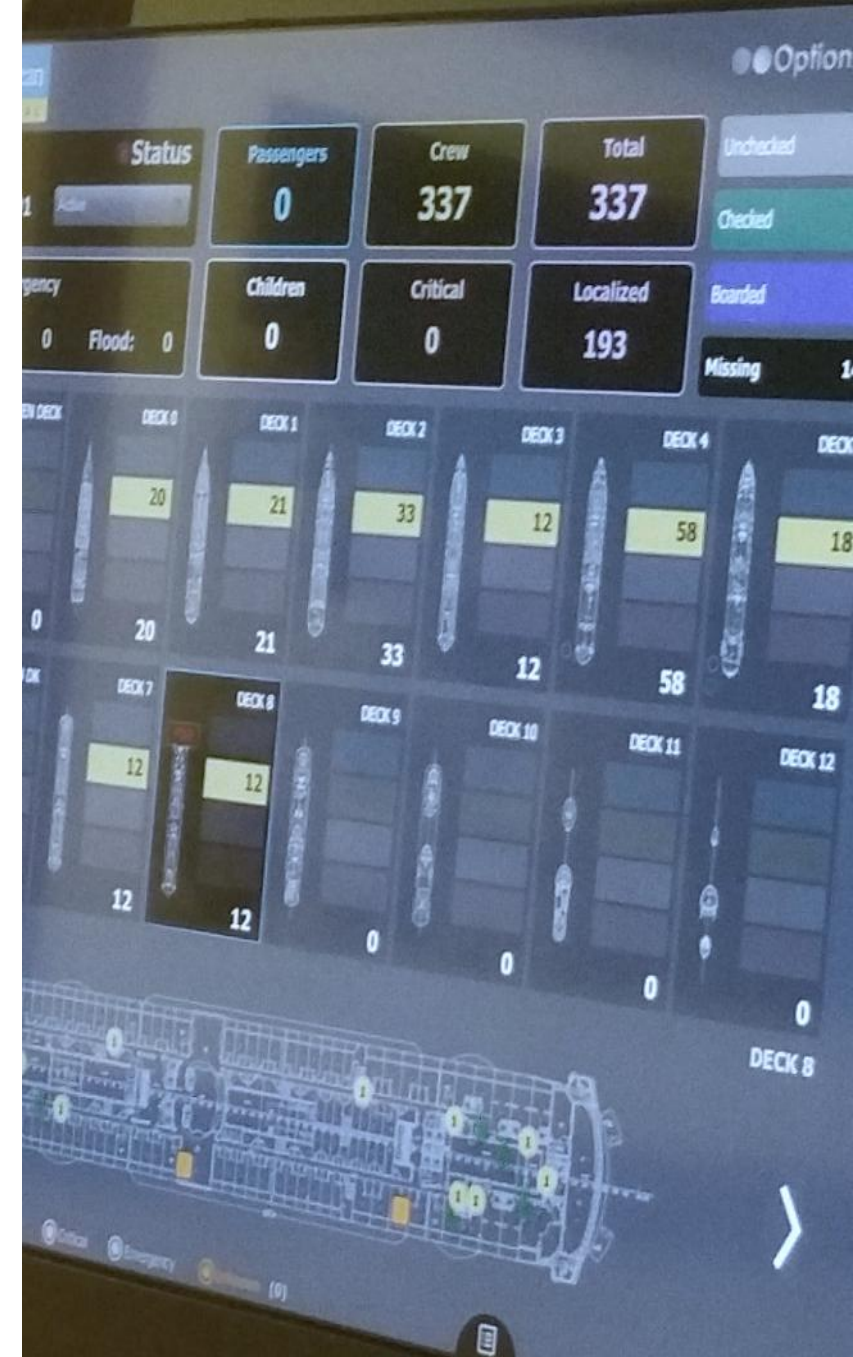
# The Lynceus History

EIGHT YEARS OF INTENSIVE RESEARCH, DEVELOPMENT AND DEMONSTRATION ACTIVITIES



# Technologies Developed

A BOTTOM-UP APPROACH TO DEVELOP INNOVATIVE SOLUTIONS FOR REAL MARITIME SAFETY NEEDS





# Proven Technology in the Field

SUCCESSFUL LARGE SCALE DEMONSTRATORS FOLLOWING TWO YEARS OF INTENSIVE TESTING & EVALUATION IN REAL ENVIRONMENT



On-board Demo on Rhapsody of the Seas



Over-board Demo at Argonaut 2018

# Recognition

STRONG IMPACT TO SCIENCE, SOCIETY AND INDUSTRY

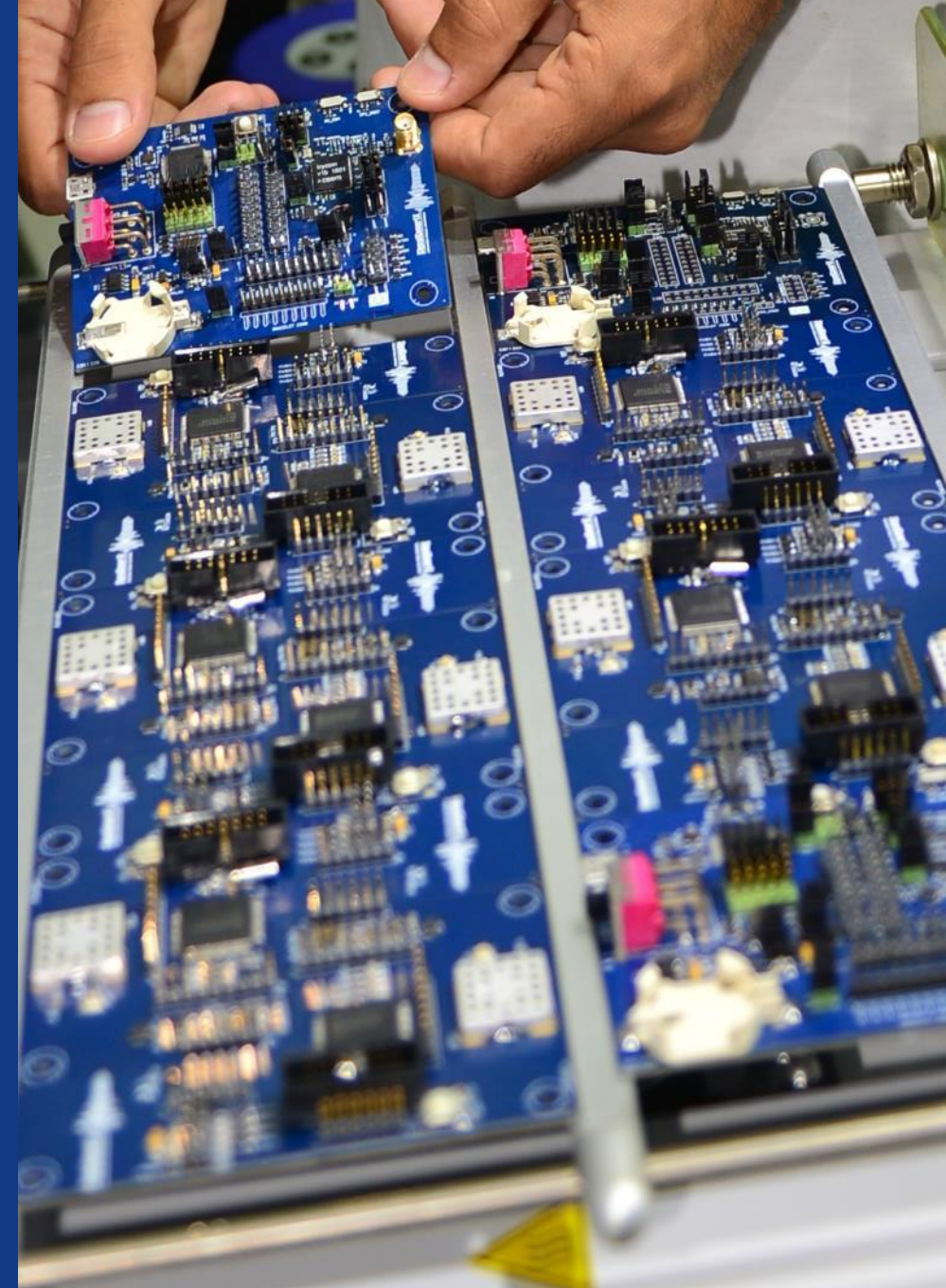


"THESE PROJECTS ARE GOOD EXAMPLES OF HOW WE ARE TACKLING ISSUES THAT CAN MAKE PEOPLE'S LIVES BETTER — IN THIS PARTICULAR CASE THE LYNCEUS PROJECT EVEN POTENTIALLY SAVING LIVES. WE WILL CONTINUE TO INVEST IN THIS TYPE OF RESEARCH AND INNOVATION IN OUR NEW HORIZON 2020 PROGRAMME"

MÁIRE GEOGHEGAN-QUINN , EUROPEAN RESEARCH, INNOVATION & SCIENCE COMMISSIONER



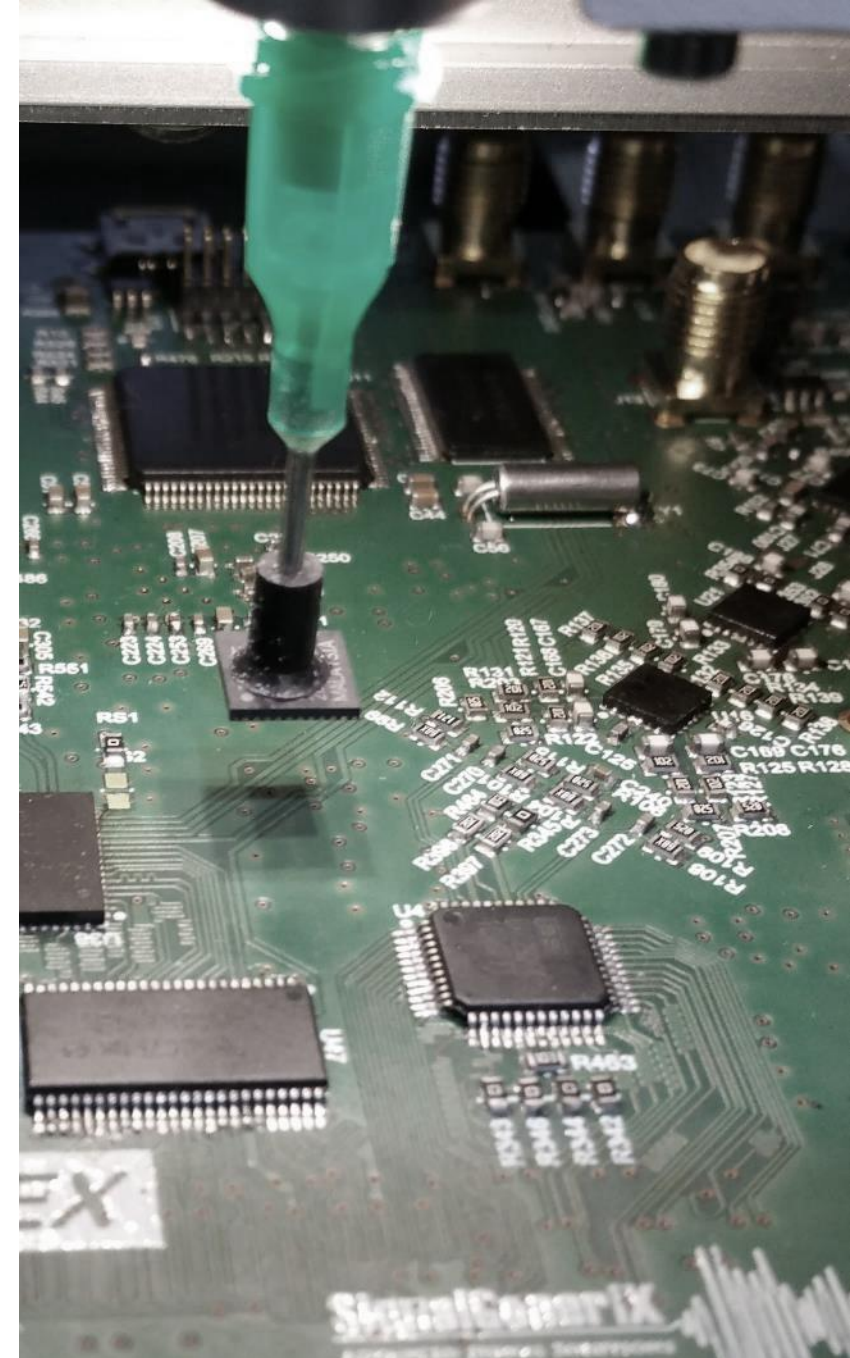
# SIGNALGENERIX PARTICIPATION & BENEFITS



# Our Participation in the Project

## SIGNIFICANT PARTICIPATION IN THE PROJECT

- Technical Manager of the Lynceus & Lynceus2Market projects
- Technology developer company
- Co-funding 30% of our participation in the project (280k€)
- Developer of new technologies and IPR
- Owner/co-owner of project Results at TRL8 – TRL9
  - Localisation radio board
  - Localisable mobile devices (Key Card toggle, Wearable device for life jacket, Bracelets, Behavioural sensor bracelets (Heart rate & Movement)
  - Passenger identification and e-mustering system
  - Overboard localisation radar
  - Localisation and Decision Support Algorithms/Processes
- Design production and delivery of more than 8000 devices





# SignalGeneriX Lynceus2Market Products

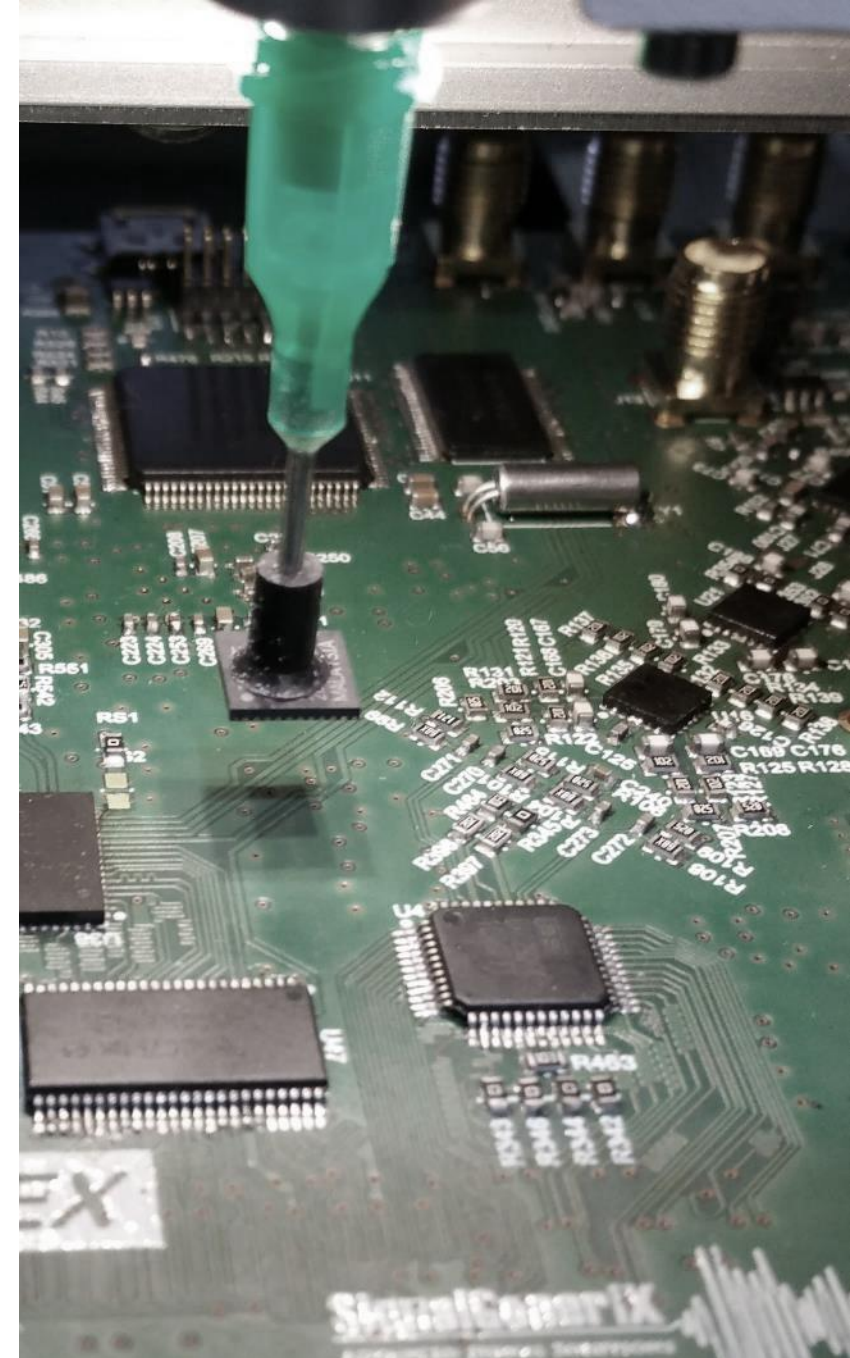
SIGNALGENERIX DEVELOPED A WIDE RANGE OF ELECTRONIC DEVICES AND SOFTWARE PROCESSES OF THE SYSTEM



# Benefits from our Participation

## SIGNIFICANT BENEFITS FROM OUR PARTICIPATION IN LYNCEUS2MARKET

- Direct EU funding for contact Research & Innovation activities
- Developed strong links with the Maritime Industry
- Opened new markets for our products and services
- Hired top scientists and engineers
- Upgraded our R&D Infrastructures
- Gained important know-how on production processes
- Developed of new IPRs own by our company
- Ownership of products ready to be commercialised
- Success of the project increased visibility and reputation of our company internationally
- In the process of establishing commercialisation agreements which will ensure ROI and important revenues.





# Contact information

WE ARE BASED IN LIMASSOL, CYPRUS, AND WE OPERATE INTERNATIONALLY AS EXPERT PROVIDERS OF INNOVATIVE DSP TECHNOLOGIES

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# QUESTIONS & ANSWERS