

VESTEL





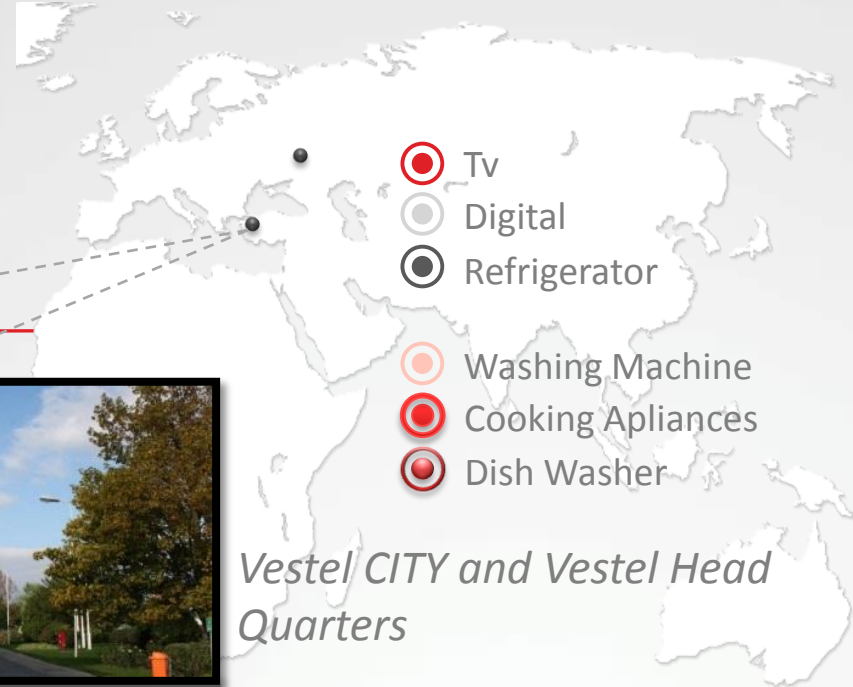
Vestel Group of Companies

Vestel Production Premises

Production Area

Turkey and Russia

Turkey Annual capacity 35.000.000 units,
Russia Annual capacity 500.000 units



Vestel CITY and Vestel Head Quarters

Production Area 1.500.000
(Total)

1.100.000 m²

Giant Manufacturing Base

VESTEL CITY

ANNUAL

35 Milyon

Production Capacity



8 Companies in Turkey



8

11 Companies Abroad



11

Total of 19 Companies

Exports to 149 countries

149



2013

\$ 1 0 0 million investment

\$ 4 billion turnover

1 6 . 0 0 0

Employees



6 R&D centers on a global scale



1 0 0 0



R&D engineer posts

5 0 0 +

500 + different brands

The **export champion** of the Turkish electronics industry for the last 16 years

1 6



%88 of Turkey's TV export*

% 8 8



* August 2014, ECID Report

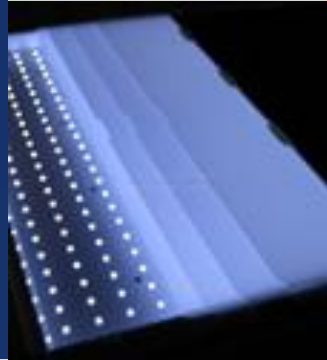




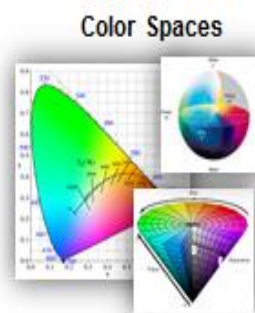
Research & Development



**Industrial
Design**



CAD Design



**Research &
Innovation**

7

**Mechanical
Design**



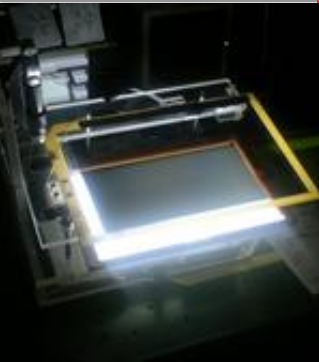
Software



**Power & Control
Card Design**



Hardware



IPR



**Test &
Verification**

R&D Staff

Real architects of innovation



Total **1000+** R&D
Employee



Software

350 Engineers



Designers

120 Engineers



Master Degree

420 Engineers



Doctorate

40 Multidiscipline Engineers



Key Strengths

Key **R&D** Strengths



6 Key Strengths of Vestel R&D



Software



System Design



Power Electronics



Optical Design



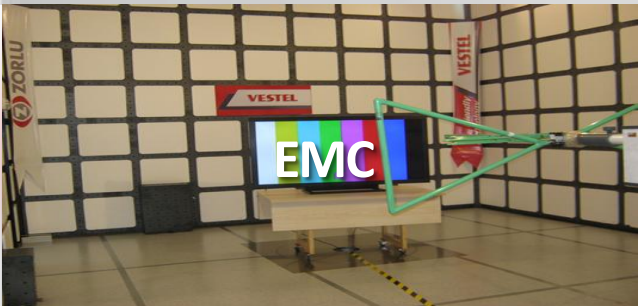
ID-MD Design



Test Infrastructure



Strong Design and Test Infrastructure



TV



DIGITAL SET TOP BOXES



SMARTPHONE



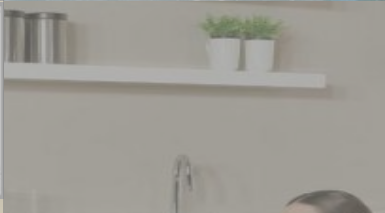
PROFESSIONAL DISPLAYS



TABLET



LED LIGHTING



HOME APPLIANCES



VESTEL

International Collaboration

WHY

- The wild competition in the consumer electronics
- Low profit range
- Trend is collaboration

EUREKA

innovation across borders



INFORMATION TECHNOLOGY

- CATRENE - *Nanoelectronics*
- EUROPIDES - *Integrated Smart Systems*
- ITEA3 - *Software-intensive Systems & Services*

COMMUNICATION

- Celtic Plus - *Telecommunications*



OTHER CLUSTERS

- Manufuture
- Energy – *Eurogia 2020*





Eureka Events

Proposal Days

Tübitak Days



B2B Matching Sections



FIRST INTERNATIONAL PROJECT

PVR IDTV



Cabot



Vestel Electronic

C/E	Coordinator	Partner
EUREKA INDIVIDUAL	VESTEL	CABOT

AND THE OTHER PROJECTS...

Project profile



CA110 Advanced set-top box expected to enhance functionality and performance in four key home-based application domains [AppsGate]

PROJECT CONTRIBUTES TO

Communications	✓
Automotive and transport	✓
Health and aging society	✓
Safety and security	✓
Energy efficiency	✓
Digital lifestyle	✓
Design technology	
Sensors and actuators	
Process development	
Manufacturing science	
More than Moore	
More Moore	
Technology node	
Technology Platforms for Process Options	

Partners:

STMMicroelectronics
Technicolor
Nuf
4MCD Technology
AMD
Imecore
Ripple Motion
Sion Tech
Video Stream Network
SoftMediaSoftware
SoftMediaSensors
University LjUBLJ
Institut Misa Telekom

Project leader:

Jean-Christophe Fink
STMMicroelectronics

Key project dates:

Start: September 2012
End: February 2013

Countries involved:

France
Spain
Belgium
Turkey



Driven by affordable and plentiful computing power, open-software frameworks and connectivity standards, the AppsGate project brings together chip suppliers, consumer-electronics OEMs and service providers to design and develop a services-rich set-top box for the home.

The set-top box (STB) is the primary point of entry into the digital home for television services, typically cable, satellite and internet TV. It currently supports a variety of functions, notably interactive TV applications. And it is set to evolve yet again. The AppsGate project will convert this device into an open platform to provide integrated home applications to the consumer mass-market. But that is not all.

A parallel development is the residential gateway, a complex device capable of delivering multiple services to the home (including video, voice and data). In particular, the STB and residential gateway can be combined with various devices and services, integrated with multiple applications to form an application gateway or AppsGate that delivers the same rich experience to multiple users in different rooms. This unique platform, which also offers the prospect of large expedient business opportunities, is the focus of this project and will initially target four home application domains: entertainment and gaming, home automation, energy management, and healthcare.

Right mix

The project test runs for 2+1 years with about equal time dedicated to defining and building the open platform, and to developing and evaluating applica-

tions: the length of the project has been kept to a minimum, given the fast pace of change of the consumer-electronics landscape.

Project partners will develop several STB platforms and a cable gateway. There will be additional work to enable interaction between the various communication protocols found in any digital home, and to create innovative user interfaces. These developments and technologies are then put into action using proof-of-concept applications, many of which will involve the control of connected home devices, with an emphasis on usability and seamless integration with video services.

Flexible solution

In a nutshell, AppsGate is a single, open and extensible platform with an intuitive and powerful user interface. But what does all of this mean?

By leveraging the multimedia strengths of the STB, AppsGate enables home services to be seamlessly integrated and accessible from a single unified interface, thus offering convenience and keeping the cost of new services down by sharing back-end and broadband connections. This will also open the door to telecom companies to team up with service providers in offering innovative services with a guaranteed quality of experience,

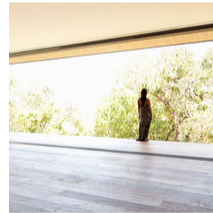
EUREKA 
innovation across borders

Raising the productivity and competitiveness of European businesses through technology. Boosting national economies on the international market, and strengthening the basis for sustainable prosperity and employment.

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Projects [Success Stories](#)

EUREKA SUCCESS STORY > CELTIC GENIO



Published on: 2012-09-17

A home where a digital person on a screen welcomes you in, plays your favourite music and switches the lights on and off at your command sounds like the stuff of a science fiction movie.



Countries involved

Spain, Finland, France, Greece, Turkey

Cost > EUR 4.7 million

Duration > 25 months

Main contact

Carolina Benito
Instituto Tecnológico de Aragon - ITA
Spain
Email cbenito@ita.es

[Share this success story](#)

Supporting

Shaping

Improving

Project search

LATEST NEWS 

European Commission launches call for twinning as part of Horizon 2020

Italian EU Presidency issues document outlining responsible research and innovation

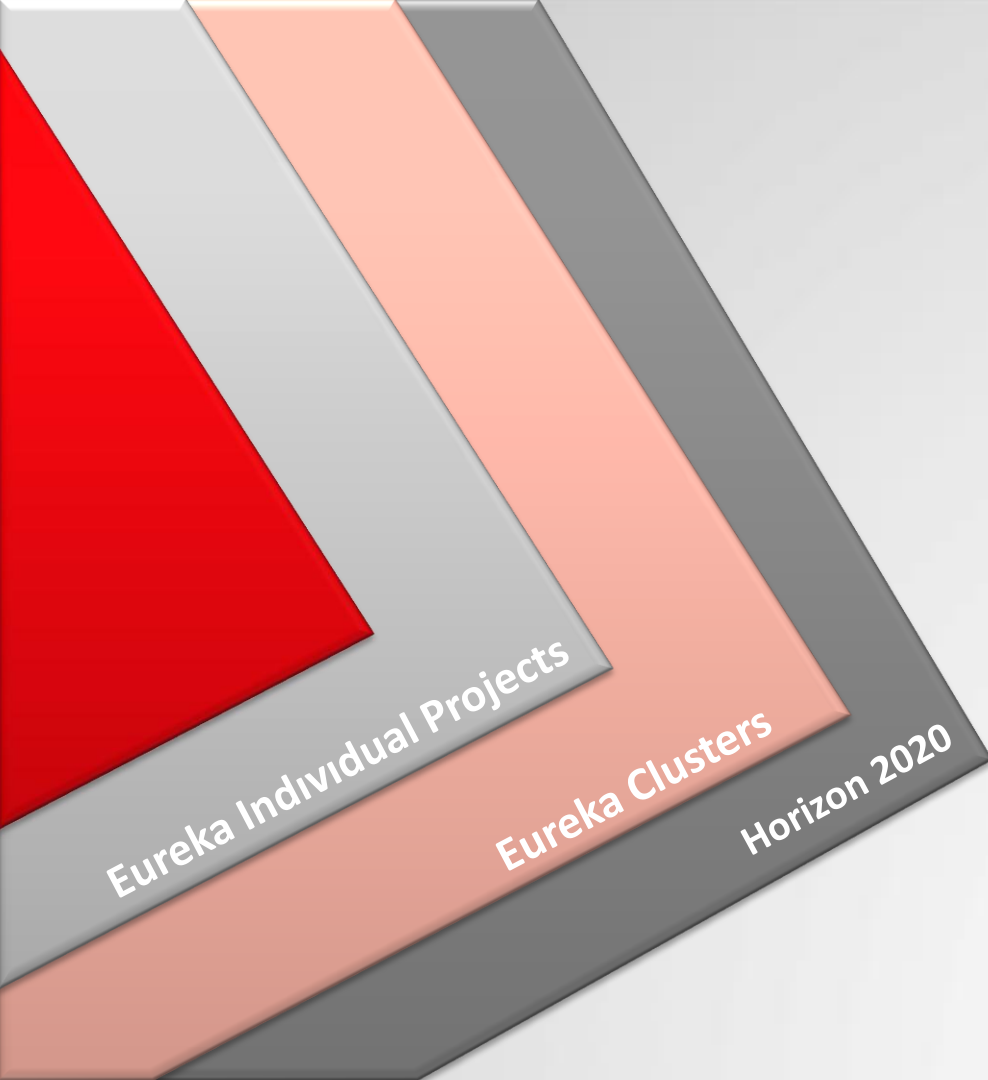
Helping firms grow, the European competitiveness report 2014

LATEST SUCCESS STORIES 

25 International Projects

In Different Eureka Clusters
In great variety of countries





*Total
Projects*

25+

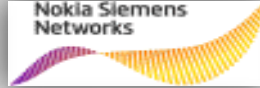
*Project
Partners*

100+

13 *Different Countries*

R&D Volume
20.000.000 €

International Networking



International Technology Platforms

25 International Project Collaboration in Europe



“ One of the most **SUCCESSFUL** company in International Projects in Turkey ”

Turkey Eureka Chairmanship Opening Conference

Old Minister of Science, Industry and Technology – Nihat ERGÜN

Most Successful Big Companies in Turkey

1. VESTEL ELEKTRONİK

2. ARÇELİK A.Ş.

3. TURKCELL İLETİŞİM HİZMETLERİ A.Ş.

4. TÜRK TELEKOMÜNİKASYON A.Ş.

5. ASELSAN ELEKTRONİK SAN. VE TİC A.Ş.



Hipermed Silver Award 2014



Also, another Vestel contributed project GENIO has been nominated for Celtic Plus Award

Eureka Innovation Award 2014



Industrial Partner of Project is Vestel



Celtic-Plus e-health project HIPERMED won the prestigious EUREKA Innovation Award at the EUREKA Innovation Event in Basel on 19 November 2014.

Next Step



HOW WE CAN START COLLOBORATIONS TOGETHER?

- Joint R&D
- Project Consortiums for Eureka&Horizon2020 Programs
- Collaboration on ICT

Smart City





Thank You For Attention

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