



This project is co-financed by the  
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Bu proje Avrupa Birliđi ve Trkiye Cumhuriyeti tarafından  
finanse edilmektedir

**ARCELIK-LG Airconditioner**  
**OYA YAZICI**  
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# Description of the Organization

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Arçelik-LG Klima Sanayi ve Tic. A.Ş. was founded on the 25th of May, 1999, in order to produce AIR CONDITIONERS for domestic and export markets. Arçelik A.Ş. and LG Electronics are %50 to %50 partners in the company.

The company is the first and the biggest Air Conditioner producer in Turkey. Arçelik-LG has the biggest production facilities of Near East and Europe with annual capacity of 3 million sets of RAC production capacity.

Increasing quality of life by providing innovative, environmentally friendly, reliable, technologically advanced product's to create value for our stakeholders is company's priority target.

**H2020 PROJECTS (Fresh and iRob-GP)**

**HORIZON EUROPE PROJECTS (Resonant, Renovation, Alce)**

**ERA-NET Projects (Magnet)**

**TUBITAK TEYDEB & TUBITAK SAYEM PROJECTS**

# Description of your research interest

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- Give short information about your reseach team and activities

Leading air conditioning sector (%55,5 marketting share in Turkey) with 21 years of experience with

- 5000 Dealers,
- 550 Technical Services,
- 40 Employees of R&D Department (engineers and technicians),
- 101 patents
- Increasing quality of life by providing innovative, environmentally friendly, reliable, technologically advanced product's to create value for our stakeholders is company's priority target.

# Project Idea

## Please indicate relevant Horizon Cluster 5 project ideas

### Destination 3- Sustainable, secure and competitive energy supply

HORIZON-CL5-2021-D3-02-05

Energy Sector Integration: Integrating and combining energy systems to a cost-optimised and flexible energy system

HORIZON-CL5-2021-D3-02-11

Reinforcing digitalisation related know how of local energy ecosystem

HORIZON-CL5-2022-D3-01-12

Replicable solutions for a cross sector compliant energy ecosystem

### Destination 4- Efficient, sustainable and inclusive energy use

Cost-effective, sustainable multi-functional and/or prefabricated holistic renovation packages, integrating RES and including re-used and recycled materials (Built4People)

## Please add TITLE of the PROJECT IDEA ....

- Objectives:
  - to ...Sustainable and secure energy supply and Energy consumption
- Expected results
  - Anti-allergen filter and HEPA filter development and integration
  - Development/Integration of Smart Optimization Algorithms
  - Machine Learning and Artificial Intelligence) on Energy Consumption for smart AC
  - Smart Energy Efficient Air Conditioner (Household Type) Integration to Demos

# Consortium - profile of known partners *(if any)*

No	Partner Name	Type	Country	Role in the Project
01	ARCELIK	IND	TURKEY	PARTNER
02	IRIS SRL	SME	ITALY	COORDINATOR
03	UNISANNINO	RTD	ITALY	COORDINATOR
04	TYNDALL-IERC	RSH	IRELAND	COORDINATOR
05	BEYOND METROLOGY	START-UP	ISRAEL	COORDINATOR
06				

# Consortium - required partners

No	Expertise	Type	Country	Role in the project
01		RTD		
02		SME		
03		INFRA		
04				
05				
06				



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# Oya Yazıcı

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