



AIRCARRUS - Autonomous Drone Delivery System

Fact Sheet

Project Information

AIRCARRUS

Grant agreement ID: 867479

[Project website](#) 

DOI

[10.3030/867479](https://doi.org/10.3030/867479) 

Project closed

EC signature date

10 April 2019

Start date

1 May 2019

End date

31 October 2019

Funded under

INDUSTRIAL LEADERSHIP - Innovation In SMEs

Total cost

€ 71 429,00

EU contribution

€ 50 000,00

Coordinated by

AERDRON SL



Spain

Project description

Flying drones to remote locations

Drones can be used in a wide range of applications and offer valuable services in remote locations or critical situations. The EU-funded AIRCARRUS project proposes an autonomous rapid response drone delivery system without ground operators for launching or retrieving operations. The drone is operated through the cloud on a GSM mobile network using the patented Dbotix autopilot system and charged through a sequence of jump stations allowing long-distance travel and automatic load cargo. The project, which exploits existing EU technology programmes, will study the feasibility of improving the delivery drone designed by AERDRON to raise its range

and automate charging and payload loading systems. AERDRON has signed several European logistic centre partners in the beta testing programme.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [electronic engineering](#) > **[control systems](#)**

[engineering and technology](#) > [environmental engineering](#) > [energy and fuels](#) > **[renewable energy](#)**

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [information engineering](#) > [telecommunications](#) > [telecommunications networks](#) > **[mobile network](#)**

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [electronic engineering](#) > [robotics](#) > [autonomous robots](#) > **[drones](#)**

[engineering and technology](#) > [mechanical engineering](#) > [vehicle engineering](#) > [naval engineering](#) > **[sea vessels](#)**



Programme(s)

[H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs](#)

MAIN PROGRAMME

[H2020-EU.3. - PRIORITY 'Societal challenges](#)

[H2020-EU.2.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies](#)

Topic(s)

[EIC-SMEInst-2018-2020 - SME instrument](#)

Call for proposal

[H2020-EIC-SMEInst-2018-2020](#) 

[See other projects for this call](#)

Sub call

H2020-SMEInst-2018-2020-1

Funding Scheme

[SME-1 - SME instrument phase 1](#)

Coordinator



AERDRON SL

Net EU contribution

€ 50 000,00

Total cost

€ 71 429,00

Address

**PLAZA MARIANO DE CAVIA 1
28007 MADRID**



SME

Yes

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Last update: 16 August 2022

Permalink: <https://cordis.europa.eu/project/id/867479>

European Union, 2025