



REACHING THE END OF THE ADVENTURE

To all of the companies, organisations and industry experts who are interested in the project - this newsletter is for you! We are grateful to everyone who is supporting us and keeping up with our progress - both from the creative industries and from other sectors who can take advantage of this innovative product.

After almost 18 months of hard work, we are extremely happy to share the first pictures of the AiRT indoor drone in action.



Our thanks go to the EU for allowing us to share such a vibrant experience, and of course to all of the people who helped us by providing information and participating in our focus groups, demonstrations and workshops.

We are inviting the Creative Industries and closed sectors to join the AiRT family and engage with us in the future. This will commence with the celebration of the International Workshop on Drones and Technology Applied to the Creative Industries. We are also sharing our second book, which has been published by Springer Verlag - the most prestigious international academic editorial company.

You will learn about the milestones we have achieved and be introduced to our partners, Aerotools. We will also introduce the Universitat Politècnica de Valencia (UPV), which is the project coordinator and has a numerous group of researchers belonging to the Microcluster 'Cultural and Creative Industries, Tourism & Tech'¹, who have engaged in the AiRT project.

¹ www.ccis.upv.esv



THE CONSORTIUM: AEROTOOLS

AeroTools is a Spanish-based technological partner with a focus on innovation, and helping companies to integrate and use drones. Among their variety of core competencies they are outstanding at platform design and flight electronics, system integration, manufacturing, optimisation, commercialisation, operation, implementation, expert training and practical training, and technological surveillance.

Aerotoools has integrated the latest passive safety measures and indoor navigation software into the modular RPAS platform. They have taken care of the design of an appropriate soft hull, which offers full rotor protection. The main achievement has been working in close collaboration as an interdisciplinary team with a steady exchange of ideas with the IPS developer Pozyx, guaranteeing the success of the integration phase.



AeroTools is the partner responsible for the exploitation and commercialisation of the AiRT drone. Everybody has worked hard, but Aerotoools' commercial success based on this innovative project is worth applauding.

Visit aerotoools-uav.es for more information.



Miguel Rosa

Marine engineer at the Politechnic University of Madrid (1987-1995), MBA at the IESE Business School (2001 – 2003)

THE CONSORTIUM: UNIVERSITAT POLITÈCNICA DE VALENCIA

The Universitat Politècnica de Valencia (UPV) is a leading research institution, and the best technical university in Spain according to the Shanghai Ranking (Academic Ranking of World Universities, ARWU).

With this expertise, UPV, as the project coordinator, has provided technical support and has guaranteed that the Creative Industries (final users) have been involved during the entire project execution. The UPV has also helped with the management side of identifying the needs of the CIs and the requirements of the drone, which set the basis for the development of the AiRT system and the final product.

Additionally, UPV is supporting the exploitation of the results and is constantly taking the European requirements that affect drones into account. UPV is also responsible for other general aspects that need to be considered, such as data protection. The UPV was coordinating the process, definition of needs, the definition of the AiRT system's functionalities and the final tests.

In this project the UPV participated with experts in CIs, marketing, innovation, management and intellectual property rights, as well as specialists in robotics and innovative ICT solutions. The UPV researchers belong to the Research Microcluster 'Cultural and Creative Industries, Tourism & Tech', with expertise on automation systems in different areas as robotics, industrial computing, computer vision, computer graphics and process control. The UPV has numerous work teams including 15 researchers and all of them contribute to the AiRT project.



Dr. Virginia Santamarina

AiRT Project Manager and Head Researcher



Dr. María de Miguel

AiRT Project Dissemination Manager



Dr. Jose-Luis Poza

AiRT Project Technical Manager



Dr. Blanca de Miguel

AiRT Project Exploitation Manager

HOW IS THE PROJECT PROGRESSING?

MILESTONES 3, 4 & 5



Many different activities have taken place during the 18-month duration of the project, but during the final few months the activities have multiplied and we have successfully achieved many different milestones.

The last technical progress meeting took place in Ghent on 26 February 2018, to discuss and analyse the 3rd and 4th milestones. The main focus was on the integration progress, and the scheduling of the demonstrations that took place in May in Valencia.



During the technical meeting at Pozyx's facilities in Ghent, the team checked that the Indoor Positioning System (IPS System), the Graphical User Interface (GUI) and the rest of the components were ready for integrating into the drone, making sure they were working correctly as individual items and on dummy platforms.



Finally, the Creative Industries joined us for a two-part demonstration session. During the first part of the session, a software identification activity was deployed. This part also included the software evaluation. Experts interacted with the AiRT team by using 14 different lollipop signals, to easily highlight the main features or to indicate the questions they needed to resolve.



The second part of the demonstration consisted of 12 different actions relating to the drone's indoor flight. This research method is called PAR (Participatory Action Research), which is based on the critical analysis of the AiRT RPAS and software, with the active participation of some Cultural and Creative Industry (CIs) stakeholders. It was an amazing experience, and we thank everyone who joined and shared their knowledge with us.

WHAT'S NEXT?

On Thursday 7th June, the AIRT Project managers will hold the last meeting with the European Commission representatives to discuss the progress and the objectives achieved in an evaluation session.

The whole consortium have travelled to Valencia for this final meeting and to celebrate our big event - The International Workshop on Drones & Technology Applied to the Creative Industries.

We hope that both the keynote speakers session and the demonstrations will be successful events.





SOCIAL MEDIA ENGAGEMENT AND OTHER KNOWLEDGE TRANSFER ACTIVITIES

During the development of the project, we have been connected to the world. By using Facebook, Twitter, Instagram and Youtube, we were able to communicate our findings in a dynamic and instant way with more than 1000 followers.

The AiRT project has connected with many companies and final users from Europe, as well as other parts of the world. We have also established communication channels such as Research Gate and Zenodo for the academic community, and LinkedIn and Vimeo for professionals. Our website has had more than 2000 visits.

We have attended different conferences and published more than 20 academic papers, more than 30 press releases, released six videos on Vimeo, and published two books edited by the renowned Springer publications. The most recent of these is 'Drones and the Creative Industry: Innovative Strategies for European SMEs' (ISBN: 978-3-319-95260-4).

We will continue innovating and helping European SME's to gain competitiveness.

Congratulations to the AiRT project team for the successful development of the project! The consortium consisted of: Aerotools-UAV (Spain), Clearhead Media (UK), Pozyx Labs (Belgium) and Universitat Politècnica de València, UPV (Spain).



AIRT.EU



zenodo

#AiRT