



HARMONY
SPATIAL & TRANSPORT PLANNING FOR A NEW MOBILITY ERA

<https://harmony-h2020.eu/> [in](#) harmony-h2020/ [t](#) Harmony_H2020



AWARD
Scaling autonomous logistics

<https://award-h2020.eu/> [in](#) /award-h2020 [t](#) Award_H2020

Enable metropolitan area authorities to lead a sustainable transition to a low-carbon new mobility era

All Weather Autonomous Real logistics operations and Demonstrations

Challenges



Regional Connectivity



Energy Efficient



Avoid Vehicular congestion

Cities and Demonstrations

Co-creation Labs
Athens, Greece

Electric AVs for passenger and freight and heavy-lift drones

Oxfordshire, United Kingdom

Integrate and demonstrate three electric AVs

Rotterdam, the Netherlands

Demonstrate drones for transferring medicines from the city centre to villages

Trikala, Greece

Collect primary data for new mobility technologies and services

Turin, Italy

HARMONY GZM co-creation lab

Upper Silesian-Zaglebie, Poland

Solutions

MODEL SUITE

It is a platform bringing together transport and spatial planning tools, people and freight activity-based models, network models and land-use models.

Harmony will provide authorities with evidence-based recommendations to update their Sustainable Urban Mobility Plans, including autonomous vehicles and drones

Challenges



All Weather Operations



Connected and Automated



Driverless Transportation

Cities and Use Cases

Autonomous Truck loading with Autonomous Forklift demonstrator
Aschaffenburg, Germany

All Hub-to-hub shuttle service from warehouse/production site to logistics hubs

Gunskirchen, Austria

Autonomous Ground Support Equipment: transport of goods in indoor and outdoor environments

Oslo, Norway

Container transfer operations and automated boat loading

Rotterdam, the Netherlands

Solutions

Develop and operate safe autonomous transportation systems (ATS) in a wide range of real-life logistic use cases in a variety of different scenarios.

Award is a key stage for developing policy recommendations for a regulatory framework towards a fully integrated freight management european system.



Consortium Partners

Communication and Dissemination Partner



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This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under grant agreement N°815269. HARMONY is a project under the CIVITAS Initiative, an EU-funded programme working to make sustainable and smart mobility a reality for all. Read more - civitas.eu.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101006817.

