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AIRBUS

## City Mobility Modeller and Data Analyst (m/f)

Reference Code 10452989 TB EN INT 1

- Site:	Airbus Group Corporate Functions Munich
- Target Group:	Professional staff - engineer
- Band / Level:	Other
- Work Contract Type / Working Time:	Permanent contract / Full time
- Work Experience:	Confirmed (3+ to 5 years of experience)
- Functional Area:	CORPORATE GOVERNANCE / Innovation
- Education:	

### Description of the job

Within the Urban Air Mobility Division, the City Integration and Infrastructure development team is responsible for the elaboration of Mobility systems in support to Urban development, that should enable the deployment of UAM. This task is backed by a Simulation capability, able to analyse cities and the complete mobility system to derive the best set-up and value for both the city and Airbus. In parallel of network definition, focusing on the landing locations, the Engineering force develop and integrates Vertipad design into the local urban landscape and finalizes the engineering and certification of the ground infra.

For our simulation capability, we are looking for a City Mobility Modeller and Data Analyst (m/f).

The successful applicant will join "YNU - Urban Air Mobility Project".

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Disabled applicants with equal qualifications will be given special consideration.

Priority will be given to employees whose position is impacted by a workforce adaptation initiative.

### Tasks

Using an existing urban mobility simulation framework, your task will be to set up scenarios for urban transport settings and, subsequently, analyse the simulated mobility behaviour. For any specific urban setting, your tasks will encompass researching that region's demographic statistics and travel surveys in order to generate a representative, synthetic population which serves as the demand generator for later use in the transport simulation.

Upon verifying the region's transport network, by converting road information and public transport schedules into a machine-readable format, you will generate simulation results which let you delve into any simulated person's mobility pattern in order to gain insight on how novel transport concepts or changes to the existing network might affect the person's behaviour. For that you will use and combine a wide variety of tools and skills, such as geographic information systems and statistical data analysis tools, and will learn to understand and interpret mobility choices that people make.

The job holder develop and improve the Simulation tool: Improvement of modelling and computing time, representativeness of models and algorithms, added features and capabilities in the analysis and scenarios.

This job requires an awareness of any potential compliance risks and a commitment to act with integrity, as the foundation for the Company's success, reputation and sustainable growth.

## Skills

- Several years of technical experience and proficiency in Computer and Data Science, Statistics and Mathematics. (e.g. PhD)
- Applied and current experience in Object oriented coding: Java / Python Ideal
- Experience with Statistical programming languages (like R, Stata, SAS)
- Experience with Geography Information Systems and Agent Based Modelling
- Transport/mobility modelling/engineering, urban planning, civil and environmental engineers would be a plus
- Highly conscious of Data Security and data ethics
- Ability to fit in a fast moving, flexible start-up like environment
- Natural tendency to tie trustful links with team members and put priority in the greater good of the UAM team

## Contact

Please apply online for this vacancy using your eRecruiting profile with your CV attached.  
(myHR -> About Me -> Jobs&Mobility -> Search for Jobs -> Position -> Apply)

In case you have any further questions, please contact: [myapplication@airbus.com](mailto:myapplication@airbus.com)

This position is offered under local conditions. For any questions related to internal mobility, please visit the Mobility Community on the HUB.

Airbus is committed to achieving workforce diversity and creating an inclusive working environment. We welcome all applications irrespective of social and cultural background, age, gender, disability, sexual orientation or religious belief.