

REFERENCE LETTER

Wrocław City Hall, Department of Sustainable Development with headquarters at ul. W. Bogusławskiego 8,10, 50-032 Wrocław confirms that the Company:

MGGP Aero Sp. z o. o. with its registered office at ul. Kaczkowskiego 6, 33-100 Tarnów, entered into the register of entrepreneurs kept by the District Court for Kraków Śródmieście in Kraków, 12th Commercial Division of the National Court Register under KRS number 0000026913, REGON: 850414002, NIP: 8731256310,

as part of the ongoing LIFE COOLCITY project "Using remote sensing to manage the blue-green infrastructure of cities in the process of adaptation to climate change" financed by the European Commission from the LIFE Program and the National Fund for Environmental Protection and Water Management, it has implemented the following products for the area of Wrocław (60 km²):

- Photogrammetric:
 - Classified point cloud obtained by airborne laser scanning with a density > 15 points/m²
 - Digital Terrain Model (DTM) developed on the basis of airborne laser scanning data
 - Digital Land Cover Model (NMPT) developed based on airborne laser scanning data
 - Digital Vegetation Height Model (CHM) developed based on airborne laser scanning data
 - Hyperspectral mosaic developed on the basis of hyperspectral data acquired in the range of 400-2500 nm, with a pixel ≤ 1 m
 - orthophotomap developed from vertical RGB photos with a pixel ≤ 0.1 m

- Information:
 - Tree Crown Map with the following parameters: minimum tree height 1.5 m, minimum tree crown area 1 m² (except for new plantings - 0.25 m²) developed on the basis of airborne laser scanning data and the classic RGB orthophotomap
 - Tree Species Map including 51 taxa and 3 additional classes (other trees, other shrubs, dead) developed on the basis of airborne laser scanning data, hyperspectral data and field botanical measurements
 - Tree Condition Map divided into 5 condition classes (1 - very good to 5 - critical) developed on the basis of airborne laser scanning data, hyperspectral data and field botanical measurements

MGGP Aero Sp. z o. o. is a competent and reliable partner, providing products that meet the requirements specified in the project application. This certificate is issued at the partner's request.

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