Overview of the Major Risks and the proposed Risk Mitigation Actions

Risk Identifier	Description	Likelihood	Severity	Mitigation Actions
Tech1 Mobile Operating System Version Polarization	Our target mobile operating system will be Android. The diversity of the Android's version on the device mobile market is still unresolved problem. This affects the possibility of problems with the correct running of the application on different types (models) of devices	Medium	High	Testing application on different model of mobile device. Deploy application dedicated certain type of mobile device. Putting list of supporting devices on Web Page of project
Tech2 Mobile device performance	low-cost devices may have problems with real-time data processing	Medium technical solutions in low-cost devices change very quickly	Medium, the application will freeze, and work slowly but it will not be closed completely. Only the comfort of work will decrease	Prepare data for low – cost devices - lower resolution, compressed images. Application will be based on PWA (Progressive Web App) so loading content will be similar to loading webpage. This way it won't be a problem even for users with older mobile phones.
Tech3 Use of the application on the device, which due to field obstacles does not have access to GNSS technologies	using the application near large obstacles will cause problems or even the impossibility of using e-GNSS positioning.	Low	Medium	Our project is dedicated for outdoor purposes. Information sent to users about losing possibilities of determining GNSS position (displayed status of determining positon: GNSS or Wi-Fi, inertial measurement unit (IMU). New smartphones register very weak signals or signals reflected from obstacle (multipath). It happens at the expence of accuracy. More and more navigation satellites also result in reducing the risk.