**Барсуков Максим, Writing 4. Write a proposal.**

Our team's research has found that most residents of St. Petersburg call inefficient public utilities and the cleanliness of the city one of the main problems for living. Therefore, one of the key challenges in St. Petersburg that hinder the city from becoming a smarter city is the inefficiency of the current street cleaning systems. The old-fashioned methods of manual street cleaning using street sweepers not only consume a significant amount of time and resources but also lead to questionable results.

The implementation of robotic street cleaning systems is proposed in order to solve this problem. These will be advanced systems equipped with sensors and AI technology to autonomously navigate through the city streets, efficiently collecting waste and precipitation. Innovative cleaning robots will help us improve the cleanliness of the urban environment and reduce operating costs.

The implementation of robotic street cleaning systems should be carried out in stages. Initially, a pilot program can be launched in select areas (Petrogradskaya, as example) so as to test the effectiveness and feasibility of the technology. Subsequently, a gradual expansion can be planned to cover more parts of the city.

Potential difficulties may arise in terms of initial investment costs, technological glitches, and public acceptance. To soft these challenges, partnerships with technology providers, financial incentives, and community engagement initiatives can be leveraged.

Ultimately, the successful implementation of robotic street cleaning systems in St. Petersburg will result in a cleaner, more efficient city that aligns with the principles of a smart city.