

PROJECT

"Design and creation of high-tech production of mobile robotic systems"



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Project objectives

Project objectives: To create high-tech manufacturing of mobile robotic systems (car robots) with multiple applications and maximum use of components and software of domestic production.

Intended robot application: Car robot is designed for use in conditions of risk to health and life of the driver and staff :

- in emergency situations - in liquidation threats explosions,poisoning, firefighters and others;
- in agriculture - when spraying fields with pesticides.

The specific use of the robot will be determined by installed attachments, and appropriate software.

Period of fulfillment: 2013-2015

Counseling and guidance services to young scientists of our company for their production and research activities on this project are in the program CERES.

Component composition of our robotic system



Onboard computer with
Control and navigation software



Mechatronic system for motion control



Control panel



Mini-tractor



Vision system



Spraying system



Manipulator

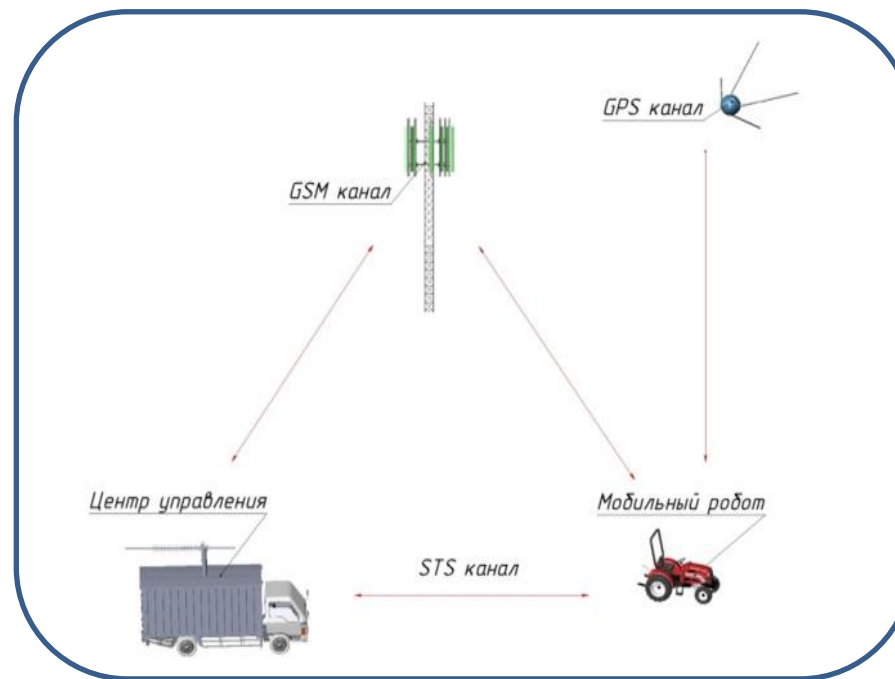
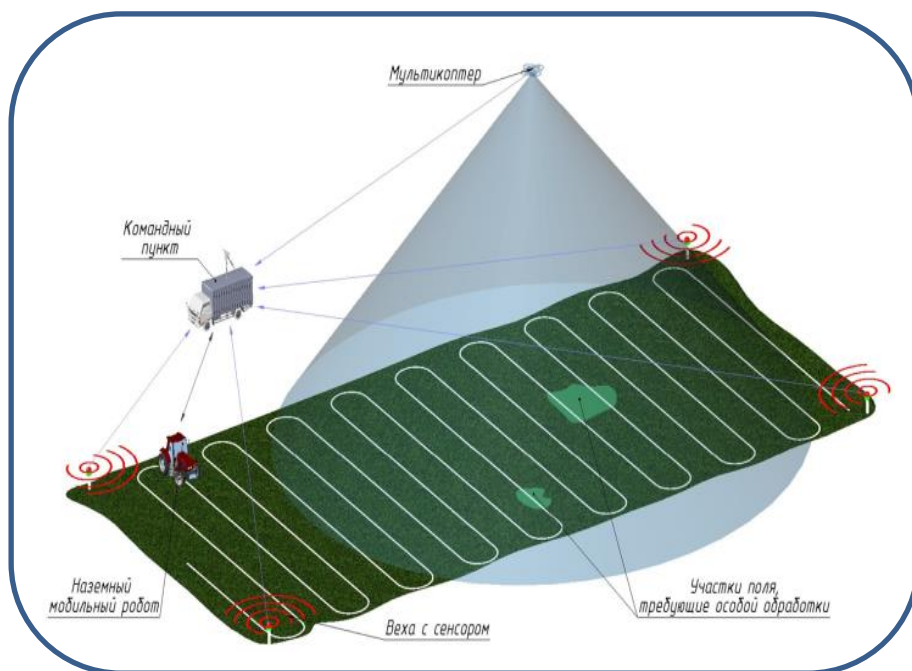


Firefight
equipment

Development & Production of mobile robots and light electro cars (agrocars)



Development & Production of control systems for mobile robots



Cooperation modes

1. Component deliveries for robots and electro cars production
2. Joint projects on development
3. Joint venture creating