Application of IoT technologies for automation of management in agriculture

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Actual tasks of automation of agricultural processes

The actual tasks of the development of automation of agro-industrial works include the following:

- improving the reliability of automation to ensure continuity of operation;
- ensuring long-term operation of system components taking into account the operation under adverse environmental conditions;
- development of systems for monitoring environmental indicators and the state of agricultural land;
- development methodological solutions to improve the accuracy measurements of environmental indicators;
- algorithmization and automation of processes to improve the efficiency control elements of the robotic system;
- development of methods of intelligent analysis of monitoring data for decision-making in the problems of control of robotic elements of the system;
- development of new functional solutions in the field of agricultural machinery and robotics;
- formation of unified universal approaches in the development of monitoring tools.
Control scheme of measuring components and transformation to obtain information about the object of measurement in IoT concept
The most probable deviations of the measuring signal from the reference: a - additive character of change; b - multiplicative character of change

![Graph showing additive and multiplicative deviations](image)
Thank you!