Security problems in smart greenhouses

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Due to the expanding population, climate change, and the rising demand for resources, agriculture is encountering escalating challenges. The implementation of advanced technologies in agriculture therefore plays a particularly important role. Intelligent greenhouses assume a pivotal role in the efficient production of high-quality agricultural products. Research into smart greenhouses farming has been underway for a considerable duration. However, the quantity of studies that identify risks and methodically present security issues remains relatively limited. In this presentation, we will delve into these security problems.

References

[1] Mehdi Hazrati, Rozita Dara, and Jasmin Kaur. *On-Farm Data Security: Practical Recommendations for Securing Farm Data*. Front. Sustain. Food Syst. vol. 6., (2022).

[2] Angelita Rettore de Araujo Zanella and Eduardo da Silva, Luiz Carlos Pessoa Albini. *Security challenges to smart agriculture: Current state, key issues, and future directions*. Array, vol. 8. (2020).

[3] Konstantinos Demestichas, Nikolaos Peppes, and Theodoros Alexakis. *Survey on Security Threats in Agricultural IoT and Smart Farming*. Sensors (2020).