

## Implementation CGIS in LIT

*Wednesday 11 November 2020 15:15 (15 minutes)*

In this study, LIT JINR is considered as an object of implementation of corporate GIS.

This information system is designed to optimize management decisions on the operation of the LIT building based on the creation and maintenance of an up-to-date database on all aspects of the functioning of the building infrastructure. The main goal of the introduction of CGIS in LIT is the competent operation of the building, its technical communications, monitoring of engineering networks, the systematic storage of archival documentation. The aim of this work is to develop guidelines for the implementation of corporate GIS to ensure proper management of the LIT building, monitoring all existing and planned engineering systems throughout the entire life cycle of the enterprise. To achieve the goal in the course of work, the following tasks must be solved:

- ☒ To study aspects of the creation and implementation of information systems designed to solve the managerial problems facing engineering services that ensure the operation of buildings;
- ☒ Analyze the requirements for corporate geographic information systems designed to ensure the efficient operation of the engineering services of LIT JINR;
- ☒ Justify the choice of the implemented CGIS on the basis of software and technological support of the company LLC “ERMA SOFT”;
- ☒ Review the technological tools for the implementation of CGIS at the enterprise;
- ☒ Highlight the main stages of the development and implementation of CGIS;
- ☒ Describe user scenarios for the implementation of the CGIS;
- ☒ Propose further expansion of the capacities of the CGIS.

**Primary author:** KUZNETSOVA, Ekaterina (Engineer)

**Presenter:** KUZNETSOVA, Ekaterina (Engineer)

**Session Classification:** Information Technologies

**Track Classification:** Information Technology