



## **DIGITALIZATION OF THE STATE URBAN PLANNING CADASTRE**

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Digitalization

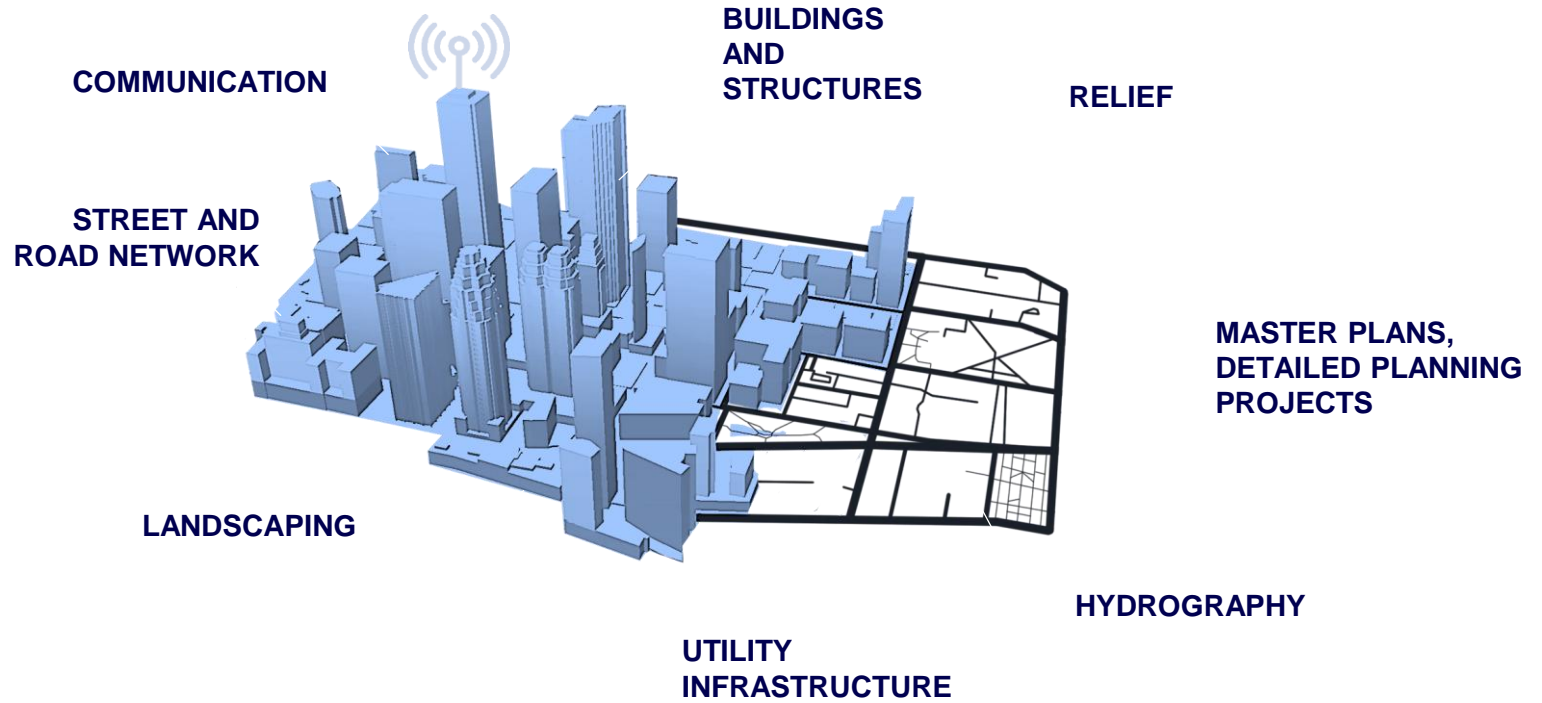
# STATE URBAN PLANNING CADASTRE



## UNIFIED GEOPORTAL

of Infrastructure Data

### DIGITAL TOOL FOR INTEGRATED TERRITORY MANAGEMENT



### DIGITIZED

ENGINEERING INFRASTRUCTURE

**86%**

MASTER PLANS

**89** units

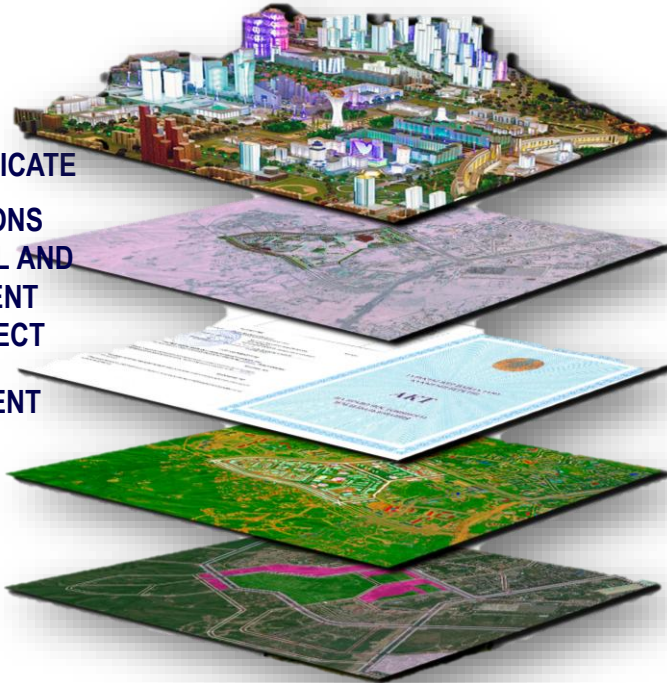
DETAILED PLANNING PROJECTS

**769** units

# URBAN PLANNING CADASTRE – A TOOL FOR ACCOUNTING AND MONITORING OF URBAN DEVELOPMENT

## CONTROL

- ACCEPTANCE CERTIFICATE
- TECHNICAL CONDITIONS (TU), ARCHITECTURAL AND PLANNING ASSIGNMENT (APA), SKETCH PROJECT
- LAND TITLE DOCUMENT
- DETAILED PLANNING PROJECTS
- MASTER PLANS



## AUTOMATED INFORMATION SYSTEM OF THE STATE URBAN PLANNING CADASTRE

End-to-End  
**VERIFICATION** of documents using the unique object number

**ONLINE ISSUANCE** of APA, approval of the sketch project in accordance with Master Plans and DPPs

## EFFECTS



PROVISION OF UP-TO-DATE DATA TO THE POPULATION



BUDGET SAVINGS



TRANSPARENCY OF URBAN PLANNING ACTIVITIES



FORMATION OF A UNIFIED URBAN PLANNING CADASTRE DATA BASE

**MASTER PLANS AND DETAILED PLANNING PROJECTS AVAILABLE ONLINE**

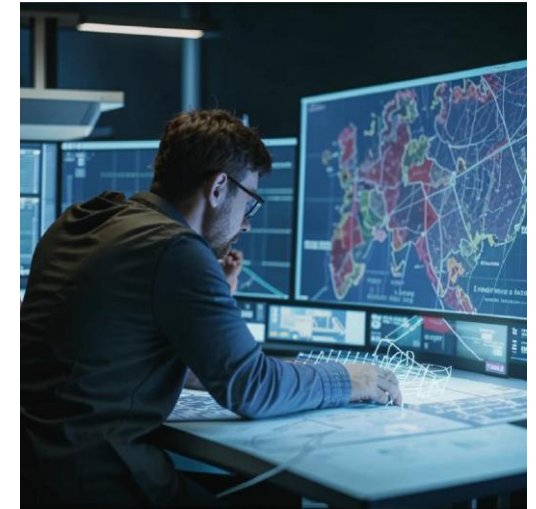
# FORMATION OF THE URBAN PLANNING CADASTRE – A TOOL FOR ACCOUNTING AND MONITORING OF URBAN DEVELOPMENT



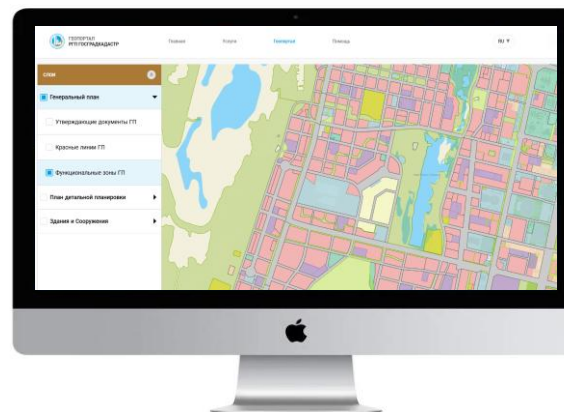
Field Geodetic Surveys



Remote Sensing Data



Office Processing



## TECHNOLOGIES USED IN WEB GIS AIS OF THE STATE URBAN PLANNING CADASTRE

### Server Technologies



### Data Formats



### Programming Languages



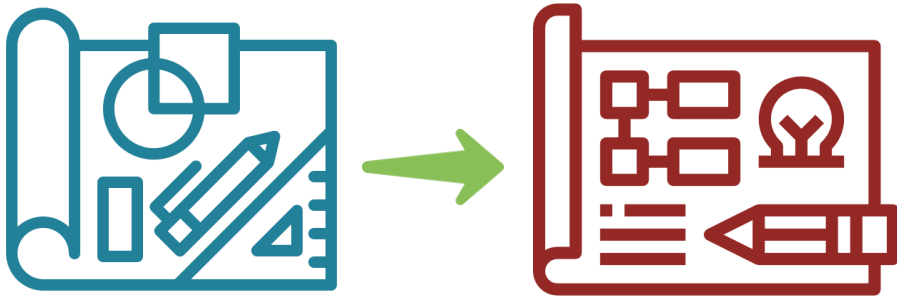
### Open API



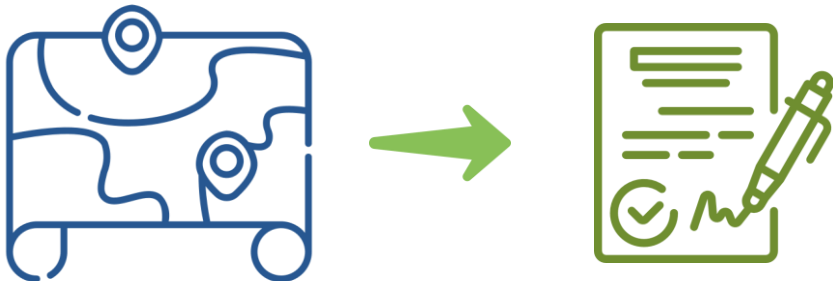
## SPATIAL ANALYSIS IN AIS OF THE STATE URBAN PLANNING CADASTRE

### Implemented:

COMPARISON OF FUNCTIONAL ZONES OF  
DPP RELATIVE TO THE MASTER PLAN

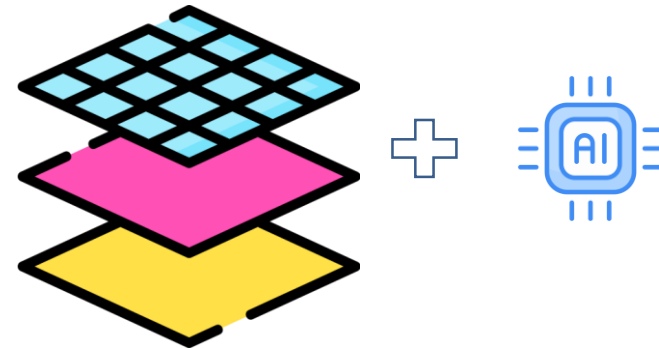


AUTOMATION OF APA ISSUANCE –  
SELECTION OF FUNCTIONAL DESIGNATION IN  
ACCORDANCE WITH URBAN PLANNING  
REGULATIONS



### In Progress:

GGK AI

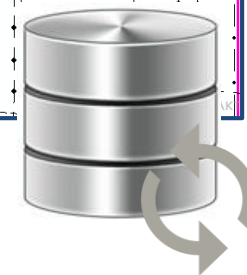
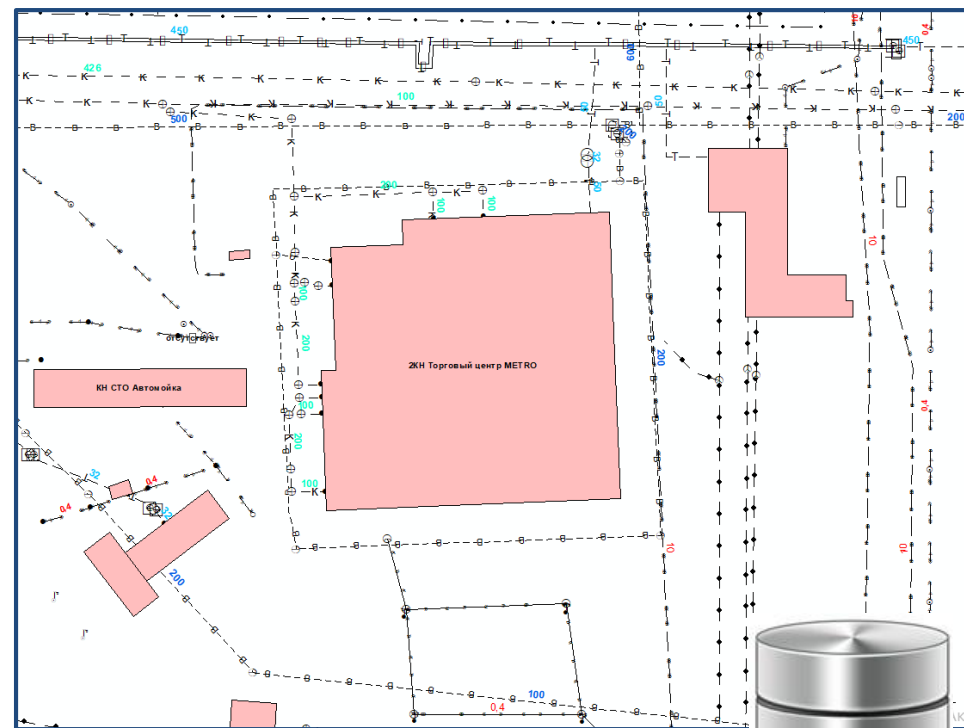


1. DETECTION OF INCONSISTENCIES IN URBAN  
PLANNING PROJECTS USING AI

2. AI RECOMMENDATIONS  
FOR RESOLVING REMARKS

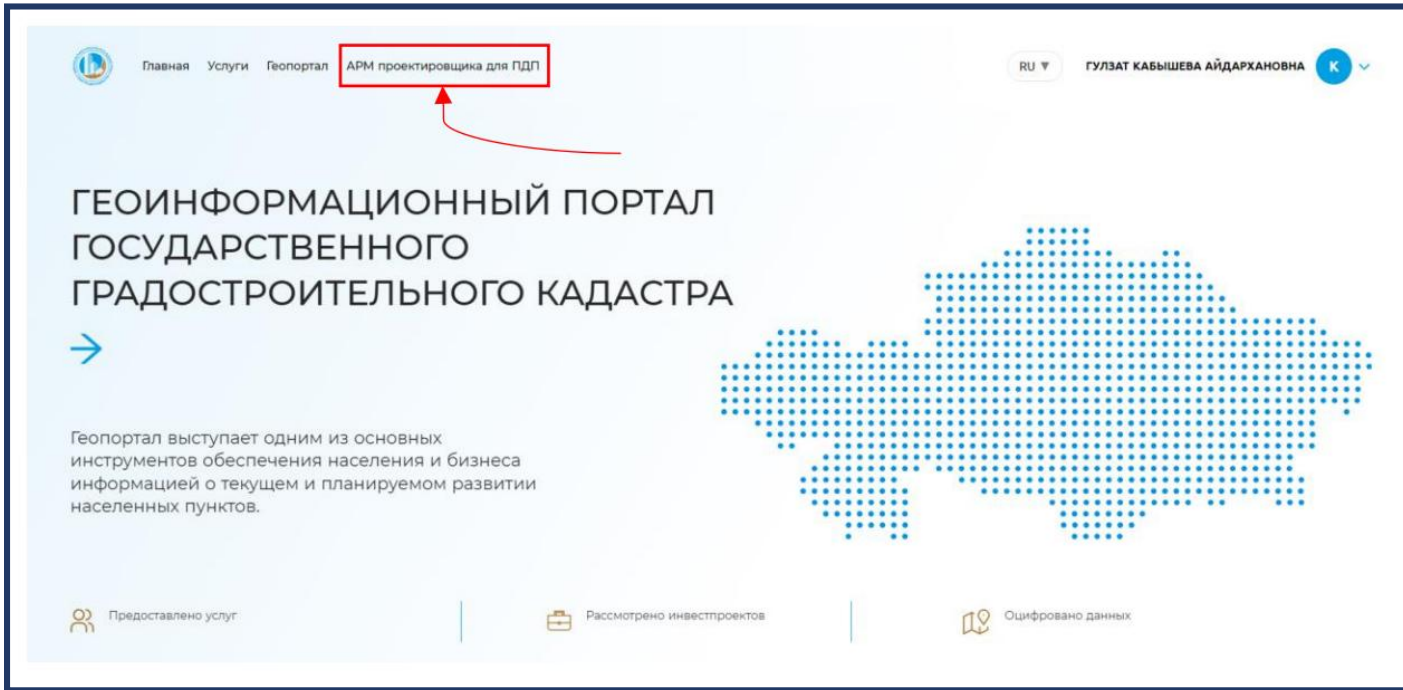
# PROVISION OF SERVICES THROUGH AIS OF THE STATE URBAN PLANNING CADASTRE

- ✓ Issuance of APA in accordance with urban planning regulations
- ✓ Obtaining technical conditions
- ✓ Approval of the sketch project
- ✓ Registration of acceptance certificates



**Formation of a unified urban planning cadastre database**

# IMPLEMENTATION OF AUTOMATED SERVICES THROUGH GOV.GGK.KZ



*The comparison procedure is carried out on the geoportal gov.ggk.kz*



*The collection of source documents is carried out, serving as the basis for the development of an urban planning project, including the procedure of comparison by the Customer of the DPP with the superior Master Plan in geoportal.*

*Carrying out the comparison procedure on the geoportal eliminates direct involvement of third parties.*

# REPUBLICAN CENTER FOR STATE URBAN PLANNING AND CADASTRE

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