Description
The automated information system for the town-planning cadastre is designed for automation of registration, storage and provision of data for the State Town-Planning Cadastre of a subject of the Russian Federation as a bank of analytical, cartographic, normative, directive, and resolving information on the conditions and prospective use of the territory of cities and districts of a region. The system is based on geoinformation and Internet technologies and used the object relational database accumulating designing and monitoring information and the data on the conditions of the lands and support decision-making in design and town-planning development of the territories of RF subjects and operative decision-making on placing of infrastructure objects.

Technical appraisal and economic advantages
The information system enables enhancement of efficiency of:
- executive authorities in development and coordination of statutory acts and bills on regulation of territory utilization, when setting up orders for survey and development of the project documentation, in coordination of project documentation and target-oriented programs;
- investors in developing business plans;
- developers when preparing the projects for area reclamation;
- legal and physical entities in exercising rights and duties with respect to land use;
- executive authorities and judicial bodies in resolution of conflicts concerned with actual or expected prejudice related to violation or modification of town-planning regulations;
- branch cadastre and other information services for record keeping of town-planning regulations and construction value of the territory.

Application areas
RF authorities dealing with architecture and town-planning. Access to the open information on the local civil engineering complex for a wide circle of users is provided through the use of Internet technologies.

Development stage

Patent situation
RF patents (2000).

Commercial Offers
Contract for adjustment and supply of the system.

Estimated cost
16,500 US$.

Contacts
Diana Yurievna Markanova, Cand.Sc., Scientific Secretary
Institute of System Dynamics and Control Theory, Siberian Branch of the Russian Academy of Sciences
134, Lermontov St., Irkutsk, 664033
Phone: (3952) 51-13-84
Fax: (3952) 51-16-16
E-mail: secr@icc.ru
http://www.icc.irk.ru