

## **RUSSIAN HIGH RESOLUTION RS TECHNOLOGIES FOR MAPPING FROM SPACE**

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### **ABSTRACT:**

The remote sensing applications have been intensively developed for recent years. Big changes take place at all levels and all structural elements of the industry.

Russia has big and multi-year experience of civil application of high-resolution remote sensing data. During the last 10 years the commercial applications of the data with 1-2m ground resolution have been developed very actively.

The report is to review main components of the technology including the space segment and on-ground segment.

Special attention is to be paid to the processing of Data. This is the most important aspect from the point of view of the estimate of the prospect and directions of the further development of the industry of high-resolution remote sensing. Closer and closer integration of remote sensing with information technologies is becoming the dominant tendency of the modern development.

A successful realization of different problems is based upon an integrated use of the whole spectrum of space systems beginning with the low-resolution data (1 km) and up to high-resolution data (1-2 m), use of different types of information and geo-spatial technologies.