



LIDAR surveying and mapping technologies

Laser scanning – technology of the XXI century

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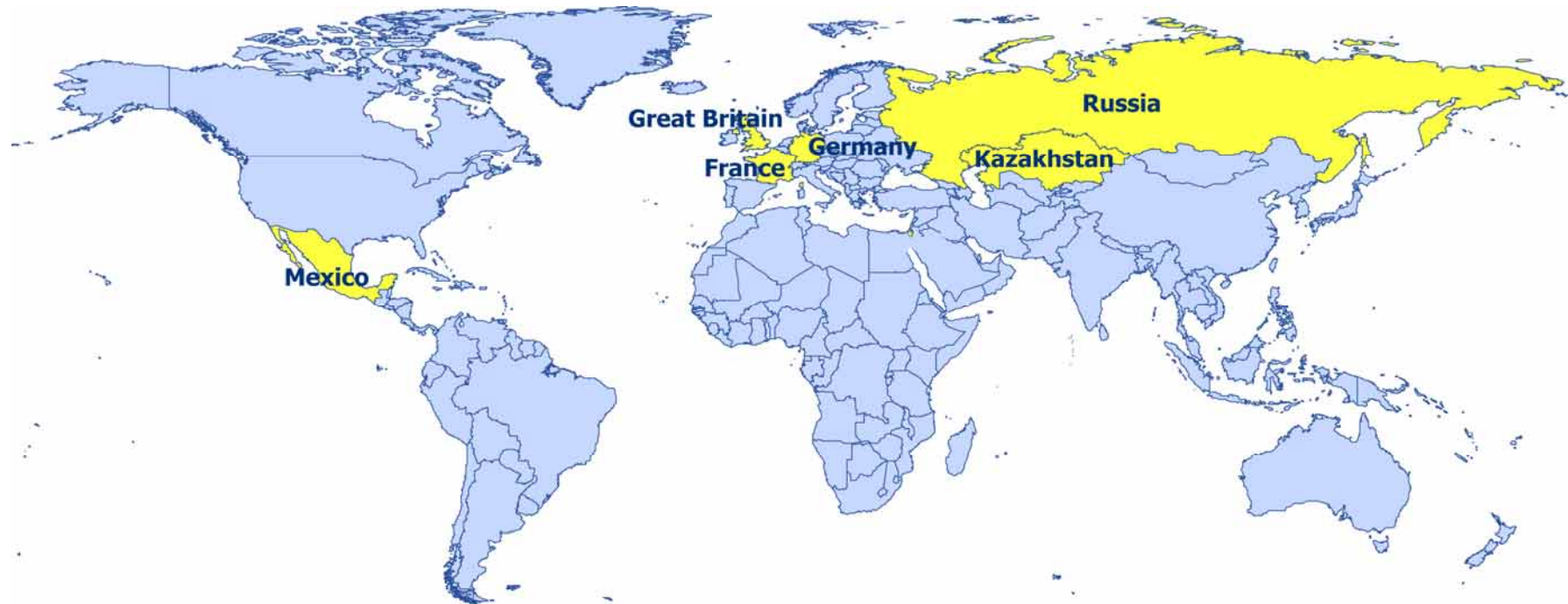
Company Profile

- Privately owned surveying and operated survey company established in 1993 in Moscow by Sergei Melnikov
- Number 1 in dedicated laser scanning for multipurpose 3D modeling in Russia and CIS
- First in Russia to launch a project for fieldwork using GPS receivers (1993)
- First in Russia to launch a GPS Real Time Kinematic survey (1998)

Company Profile

- First in Russia to launch ground-based laser scanner for engineering structure models (2001)
- First in Russia to launch aerial laser scanner for large-topographic survey (2003)
- 170 educated surveyors, engineers, photogrammetrists, programmers with international experience
- Revenue doubling for the last 3 years
- ISO 9001 certified
- International projects

International Representative Offices



Our Mission

- ✚ Use the most innovative geo-information technologies
- ✚ Collect and process accurate and reliable spatial data
- ✚ Create and supply large-scale digital maps and 3D terrain and engineering structure models

Our business: main directions of Geokosmos group activity

⊕ Geokosmos

making large scale digital topography maps, plans, 3D engineering models of geographical objects & DTM, as well as supplying innovative technologies for doing that

⊕ GeoLIDAR

supplying airborne laser scanning systems ALTM from Optech Inc., airborne laser bathymetrical systems SHOALS 1000T from Optech Inc., Position & Orientation systems from Applanix Corporation, digital aerial survey sets DSS from Applanix Corporation, digital metrical aerial survey cameras from «Rollei Fototechnic GmbH»

⊕ GeoPOLYGON

supplying GPS receivers, total stations, on-ground laser scanning systems, laser rangefinders, levels , geodetic auxiliary equipment & software

Applications

- ⊕ Inventory
- ⊕ Design
- ⊕ Construction
- ⊕ Monitoring
- ⊕ Modeling
- ⊕ Volume calculations
- ⊕ Research
- ⊕ Management
- ⊕ Protection

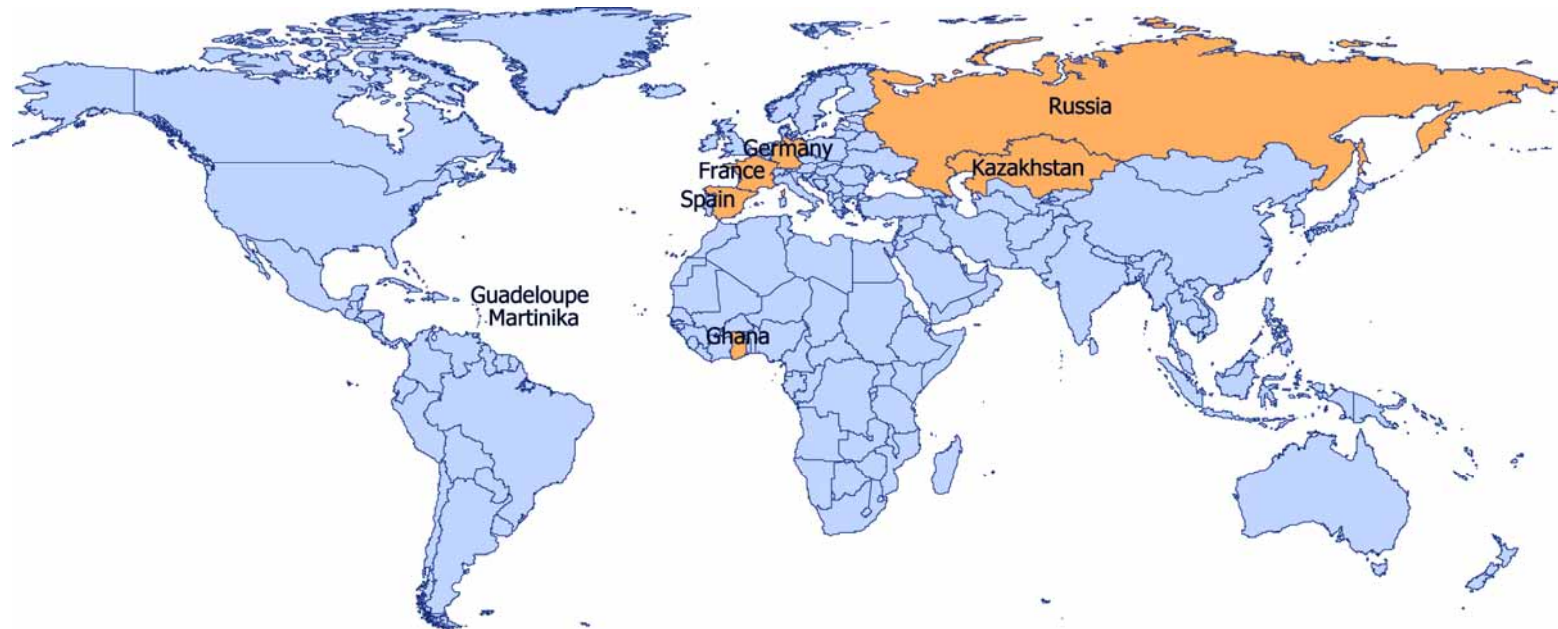
Markets

- ⊕ Oil &Gaz
- ⊕ Energy
- ⊕ Roads & Railroads
- ⊕ Forest
- ⊕ Mining
- ⊕ Urban

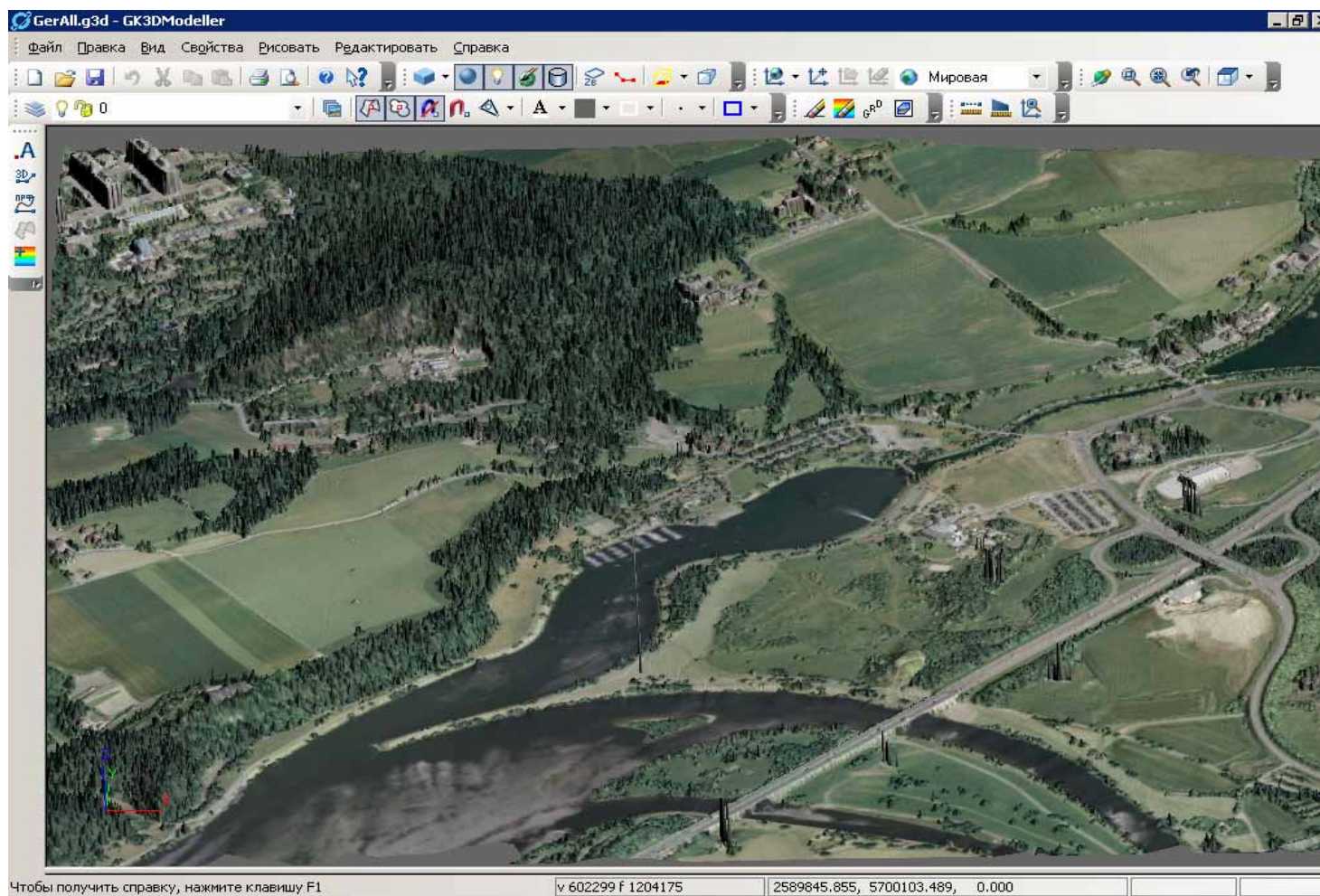
Geokosmos Projects in Russia



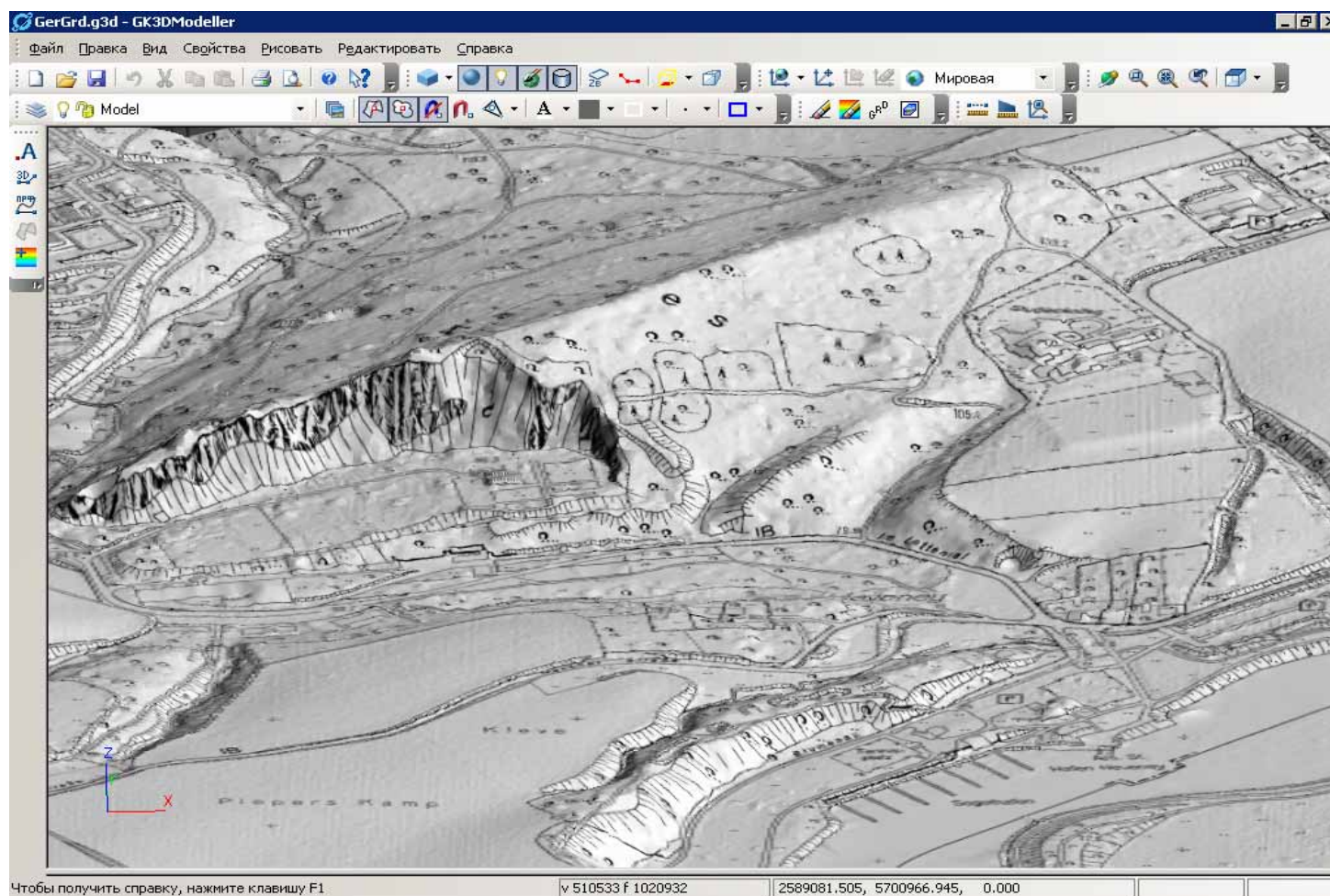
Geokosmos Projects in the world



3D Mapping



3D mapping (remove of non-ground features)



Survey & 3-D (textured by photos)

