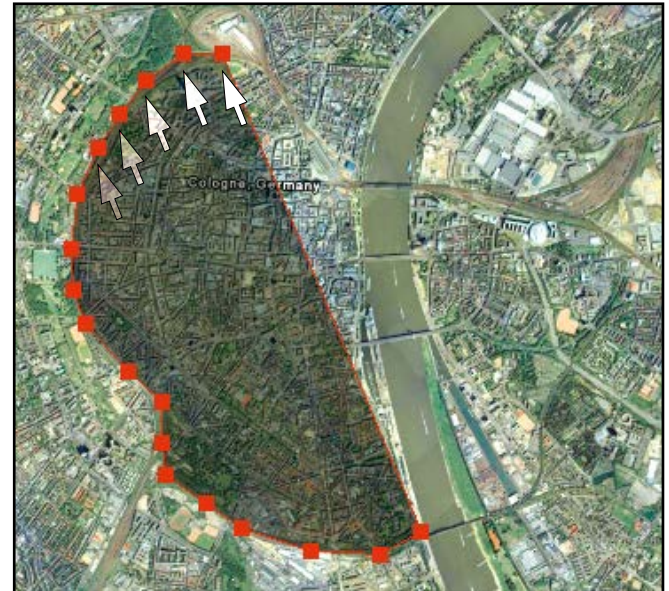# IGIplan™

State-of-the-art Mission Planning Software

IGIplan is an advanced mission planning software. It supports over 600 local coordinate systems and all aerial cameras and sensors and is prepared for every kind of mission. Working together with the *CCNS*, flight missions can be planned and flown in one connected workflow. The intuitive graphical user interface and its real time computation of flight lines help the operator in his day-to-day business. As a special feature, *IGIplan* includes GoogleEarth™ format support to show end-customers results in their familiar environment.

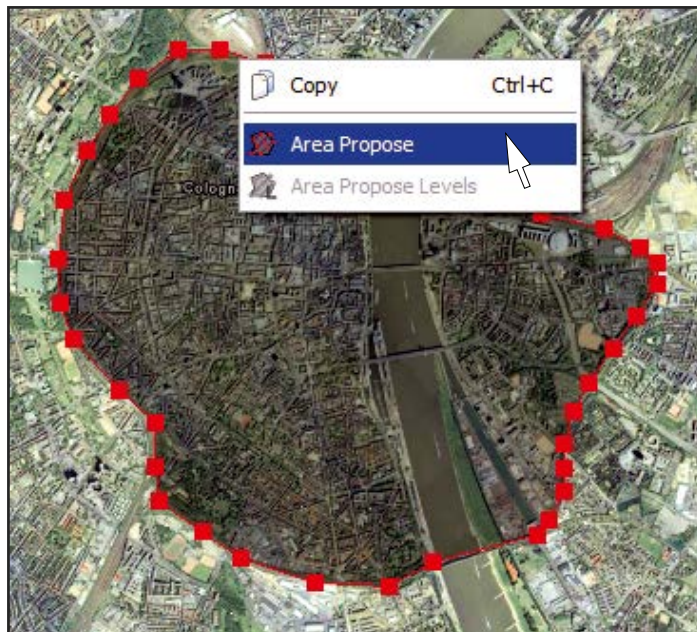Picture 1: Defining an area - Cologne city

Example - Area Propose:

Plan your mission within a few minutes and only by two simple steps.
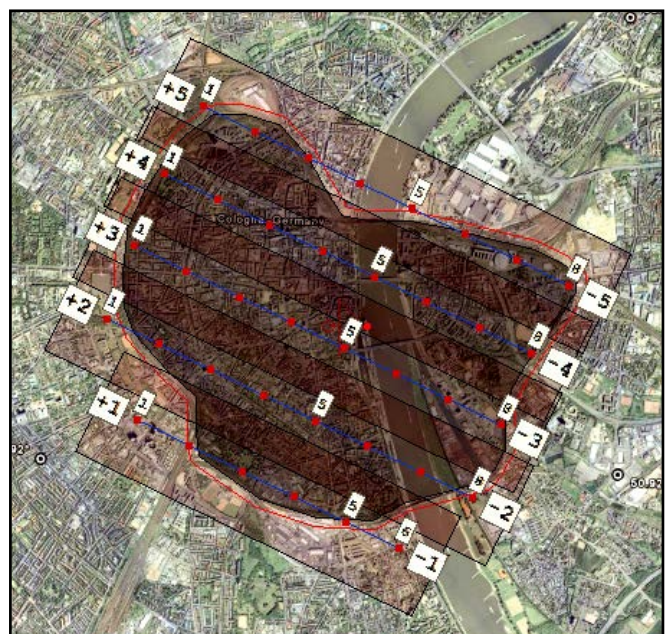
Step 1:   Define a polygon by selecting an area with the mouse.

Step 2:   Choose Area Propose from the popup menu.

The flightlines are calculated automatically, and the resulting mission plan is shown.

Picture 2: Selecting Area Propose

Features:

- More than 600 local coordinate systems
- Support for all common aerial cameras and sensors
- Raster & vector map support for common file formats
- Support for many DTM raster formats
- Integrated world-wide DTM
- Drag and modify flight lines interactively
- Automatic altitude determination through sensor specific mission planning parameters (GSD, picture scale)
- Planning and creation of flight lines, blocks or tracks with automatic levels using DTM
- Import of self-defined WMS servers
- Full support for IGI's *CCNS*
- 3D view of the flight plan
- GoogleEarth (*.kml) format support
- Multiple Undo / Redo
- Video tutorials

Picture 3: Automatically generated flightlines

www.igi-systems.com
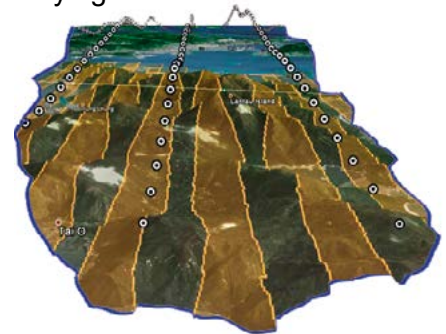
IGIplan™ - Mission Planning Software

IGIplan Sensor Type Support

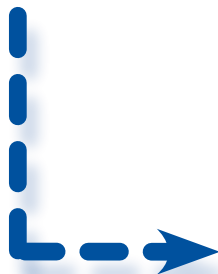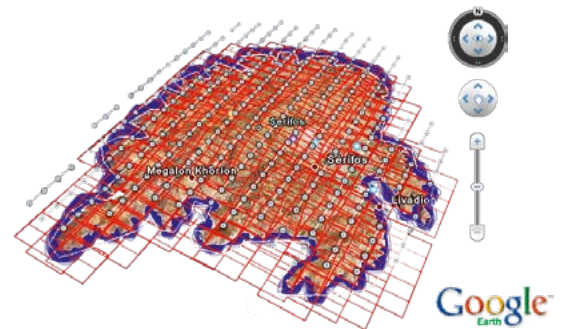|		Automatc Altitude Determination & Coverage Simulation when changing:
Analog Cameras	e.g. RC10/20/30, RMK-A, RMK-TOP, LMK, ...	Picture scale, forward size, sidewards size
Digital Cameras	e.g. complete DMC, UltraCam, Digi-CAM, and PhaseOne camera series...	Ground Sample Distance (GSD) and analog camera features
LiDAR Scanner	e.g. LiteMapper series	pts/sqm and speed, swath
Line Scanner	e.g. JAS, 3-DAS-1, ...	GSD, swath

System requirements:

Intel Pentium®, Core™ or equivalent processor
Microsoft® Windows 7, 8.1 or 10
512 MB of RAM
3D Nvidia graphic card recommended
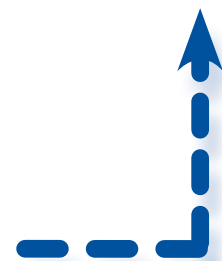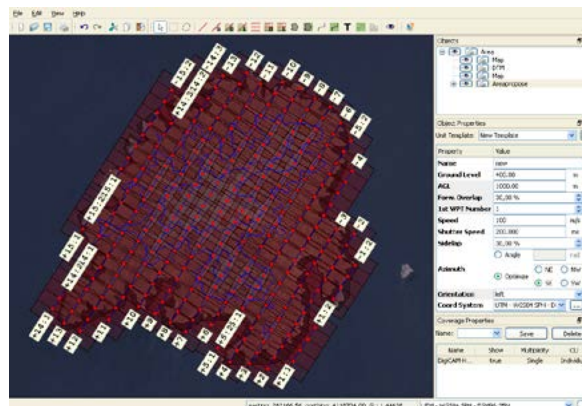150 MB of available hard disk space

Terrain Following:

- Good overlap in the whole area
- Minimal flying effort

Keyhole Markup Language support:

Import polygon from GoogleEarth to IGIplan.

Export resulting flight-plan from IGIplan to GoogleEarth.