PHOTOMOD

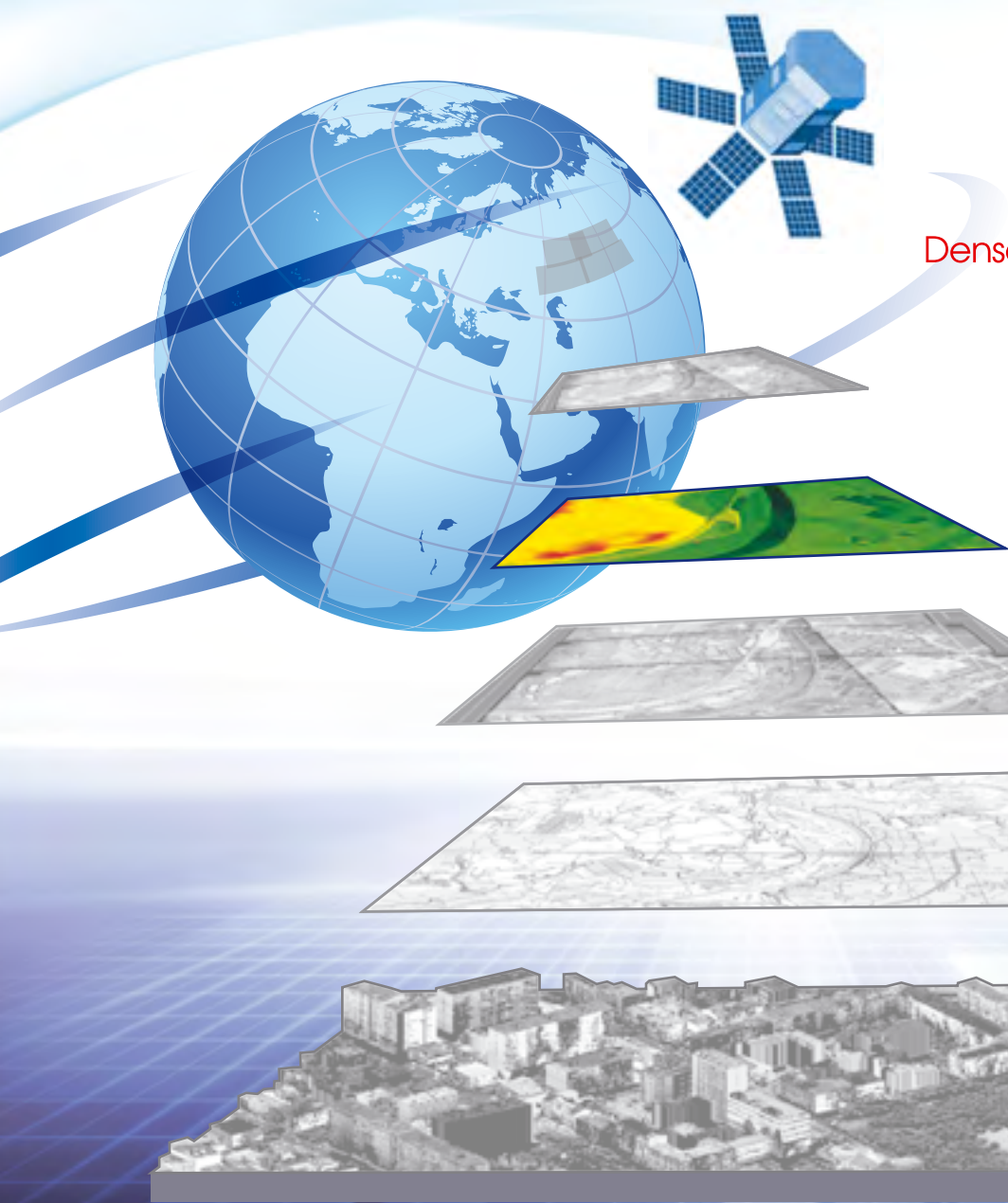## DenseDSM

Spatial aerial triangulation

Dense Digital Surface Models

2D and 3D-vectorization

Orthorectification and mosaic creation

Map making

3D-modeling

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Dense DSM methods simplifiy creation of high resolution 3D city models which can be used for multitude of purposes in a growing number of different application domains, for example: urban planning and architecture, emergency management, geodesign, gaming, cultural heritage preservation, property management, navigation, augmented reality. Moreover, 3D models enhance possibilities of spatial analysis and become an essential part of Spatial Data Infrastructure.

PHOTOMOD dDSM enables to build dense digital surface models with a cell size corresponding to 1 pixel of image.

PHOTOMOD provides two methods of dDSM generation: Deformating method (IDM) and the Semi-Global Matching (SGM) method.

	SGM	IDM
Input data	Aerial central projection images, UAS data, pushbroom scanner imagery, VisionMap and ADS data	Aerial central projection images, UAS data, pushbroom scanner imagery
Distributed processing	+	+
Oblique survey	+	-
Filter	Median and smoothing filters	-
Model density	Pixel	Subpixel
Initial approximation model	Heights range	DEM

Racurs provides unlimited technical support for its customers. Experienced software support specialists provide immediate professional help by phone, fax or e-mail.

Download Lite version of PHOTOMOD! The program is created to help familiarize with the systems features and functionality and allows you to perform test projects using your data.

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