



1 Company Profile and Company Experience

MEIXNER VERMESSUNG ZT GMBH Consulting Engineers, ("MEIXNER") is one of Europe's leading consulting companies in the field of GIS, land surveying, photogrammetry and land cadastre with its head-quarters in Vienna/Austria.

Founded in 1939 by the father of the nowadays sole owner Prof. Harald Meixner, the privately owned company MEIXNER has steadily grown to its present standing. During this period MEIXNER has been playing a major part in a great number of projects in Europe.

As far back as 1968 the company expanded its world-wide activities to all five continents. MEIXNER employs a staff of about sixty experts covering the fields of GIS, property management, geodesy, photogrammetry, digital aerial photo flights, digital mapping, land cadastre, project design, software development, geomarketing and training.

In 2004 MEIXNER was the first European Company acquiring the newly launched digital aerial camera UltraCam from Vexcel/Microsoft and has since this time upgraded its aerial camera systems steadily. Nowadays MEIXNER has probably the best understanding of this technology and utilizes its tremendous experience for all their customers benefit in the field of 3D city modeling, orthophoto production and GIS.

MEIXNER enjoys the support of their subsidiary companies, branch offices and representing agents in several countries such as

- Al Ruyah International Trading & Engineering Services LLC, Abu Dhabi/U.A.E.
- Meixner d.o.o /Zagreb-Croatia
- AGIS Slovakia spol. s r.o./Bratislava
- Contors AG, Hassfurt/ Germany
- Meixner-Kazachstan in Astana
- Al Haimi Group, Jeddah / K.S.A.

MEIXNER capabilities and strength are based on its ability to use latest technology most efficiently, such as:

- Land Cadaster development
- GIS - Geographic Information Systems
- Twin engine aerial survey planes
- Digital Aerial Cameras
- GPS - Global Navigation Satellite Systems
- IMU - Inertial Measurement Units
- Laser scanning
- Digital Tachymetry and Leveling
- GPR Ground Penetration Radar
- UAV (Unmanned aircraft vehicles)

MEIXNER delivers products of highest quality in

- Land Cadastre and property
- Aerial imagery
- 3 D City modeling
- Land Registration
- Property Management
- Geodetic Surveys
- Mapping Services
- Photogrammetry
- Engineering Surveys
- Environmental Monitoring
- Forest Damage Detection

MEIXNER performs most professional services including

- Training
- Research
- Consulting
- Image Engineering
- Project Management
- Software Development

1.1 Meixner's philosophy of work

MEIXNER's strength and efficiency is based on the capacity to give the respective customer qualified advice and assistance in the Consultant's wide range of services offered and to have the ability to transfer know-how and expertise in a logical and understandable manner.

MEIXNER is able to carry out any geo-information, consulting and surveying assignment covering all project phases:

- Assistance for decision-making: preliminary studies, feasibility studies, expert opinions, project assessment,
- Project preparation: planning, pre-design services, organizational studies,
- Project management: management and administration, planning methods,
- Design: basic and detailed designs, specifications, tenders,
- Implementation: procurement and installation of equipment, supervision of work, site co-ordination,
- Operation: execution, technical assistance, training
- Evaluation: ex ante, ongoing, ex post.

Whether limited to some specific activities, or extended to overall project execution, MEIXNER's assignments are oriented according to the guidelines as follows:

- Designing of the project has to follow the client specific needs,
- Implementation of a global system approach,
- close working relationship with the client's management and project's team,
- Effective transfer of know-how and technology.

Due to MEIXNER's wide range of experience and excellent connections with a large number of public and private partners in Austria, Europe and overseas, we are in a position to co-ordinate and implement any short or long term assignment.

1.2 Meixner's ability of backstopping on-site operations

Due to the company's organization and its excellent financial situation, MEIXNER is in a position to provide on-site operations with effective backstopping:

As additional resources MEIXNER enjoys the support of public and private institutions in Austria as follows:

- Technical University of Vienna
- Technical University of Graz
- Technical University of Zagreb (Croatia)
- Federal Bureau of Surveying and Mapping and Federal Computing Centre of Austria
- Ministry of Justice and Federal Environment Agency Austria
- The Institute for Economic Development of the Austrian Federal Economic Chamber
- Vexcel/Microsoft, Graz/Austria

1.3 Equipment

The surveying division of MEIXNER uses Precise Differential Global Positioning System - Trimble GPS receivers and GPSurvey software for its surveying work as well as the latest Total Stations with robotic mode, data registration and adequate software together with fully automatic digital leveling instruments, terrestrial laserscanner and ALS.

The photogrammetric and remote sensing division uses the most modern digital aerial camera UltraCamXp with a gyro-stabilized mount SM2000B and GSM3000 well installed in the photo-airplanes Piper Aztek and Cessna 340.

Photogrammetric, visualisation and terrestrial surveying software comprises:

- Flight-management system: Trackair POS Track,
- IMU GPS processing: Applanix PosPac 7.0,
- Imageprocessing UltraMap 3.2.4
- Aerial Triangulation: Inpho Match AT 5.6,
- Orthophoto processing: Inpho Orthomaster 5.6
- DTM processing: DTMaster 5.6, Match T 5.6, Scop 3.0
- Digital stereo plotting: Summit Evolution 3.1.
- 3D Computervision Geoverse / Euclideon
- Solidscan / Euclideon
- Unlimited Ortho
- Unlimited Aerial for 3D city-modelling

The GIS, mapping and computer division of MEIXNER uses various AutoCAD-stations and Geographic Information System installations based on MapInfo, ESRI, and the latest versions of Firewalls, Windows, Email, Fax- and Internet connections.

1.4 Summary

MEIXNER has a long-lasting experience covering the complete bandwidth of surveying business including classical technical surveying, land-registration, GPS, GIS, property cadastre, photogrammetry as well as ground penetration radar and aerial photo flights.