



imp GmbH - ENGINEERING SOLUTIONS

GIS CONSULTING &
GEODATA MANAGEMENT

RELIABILITY THROUGH EXPERIENCE

imp GmbH is providing a full range of engineering solutions and services to customers in the field of geodata service since 1993.

We supply public utilities, municipalities, telecommunication operators, industrial enterprises, and the construction industry with high-quality services.

Over 380 employees provide professional services in the sectors mentioned.

To satisfy all our customers' needs, we utilize state-of-the-art technologies and equipment. You can depend on our experience...

...that's the philosophy behind *imp*.

With our knowledge, extensive experience and solutions we ensure our customers' success.

DIN EN ISO 9001:2015 certification and comprehensive quality management attest to our commitment to providing only the highest quality services. In accordance with the SCC** (safety certificate contractors) management information system we care about health, safety and the environment.

By adapting all the company's processes towards meeting the needs of our customers, we've laid the foundation for attaining our vision:

Focused on our customers needs we are the first address for your demands.

The *imp* team looks forward to working with you.



www.imp-gmbh.de

GIS SERVICE

The digital documentation of resources is a key factor in operating utility and waste water networks. In addition to technical precision, the objective is also to keep data as current as possible.

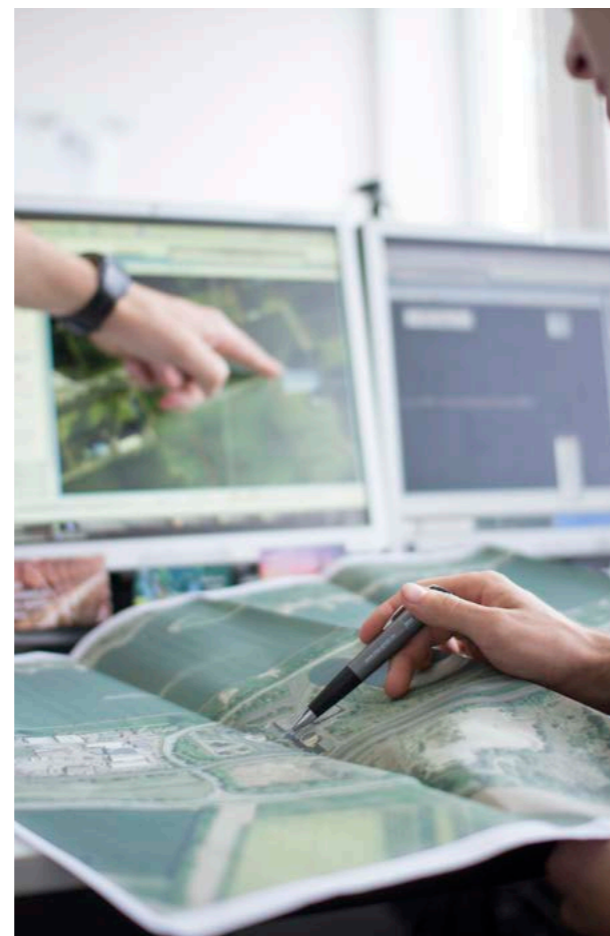
The value of your data is determined by its availability and usefulness for related business processes. We help you make even the most complex assignments a success.

Our services

- inventory / utilization documentation
- quality control / inspection service
- data consolidation / integration

Digitisation of working funds, municipal and official cadastral maps:

Our service comprises all processes with regard to digital data handling of municipal cadastres and supply enterprises. It includes the digital mapping of linear features (e. g. power lines, sewers, etc.) as well as spatial data (e. g. construction sites, agriculture, forestry, etc.).



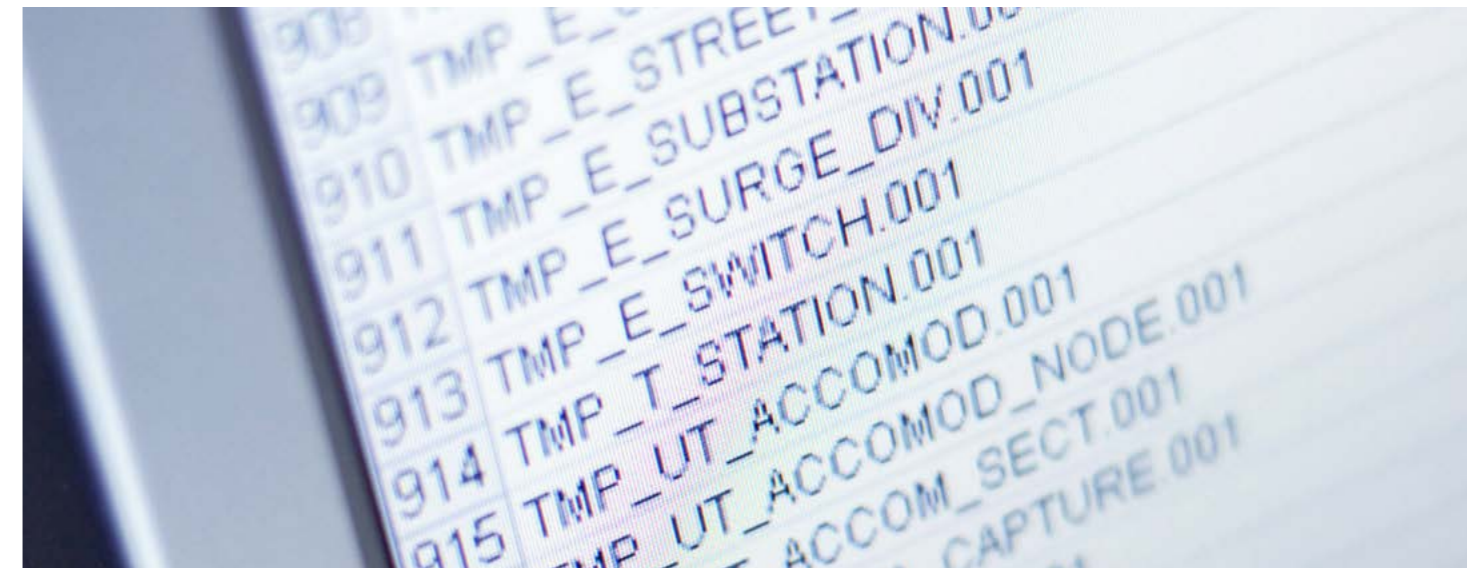
GIS SERVICE PROVIDING

We provide modular solutions for creating, maintaining, and operating a geographic information system (via internet).

Our services

- consulting
- data collection
- scanning service
- conversion
- data refinement
- individualized training
- GIS introduction and implementation
- data delivery

imp is an experienced service provider in the field of graphical data processing. Its service spectrum comprises all aspects within digital documentation. In close partnership with our customers we figure out appropriate solutions that can be realised with most modern techniques.



GEO-INFORMATION-VALUE MANAGEMENT

Geo-IVM means to integrate your primary geographic (GEO) data sets (INFORMATION) with a maximum of value (VALUE) into your business processes (MANAGEMENT) as its best.

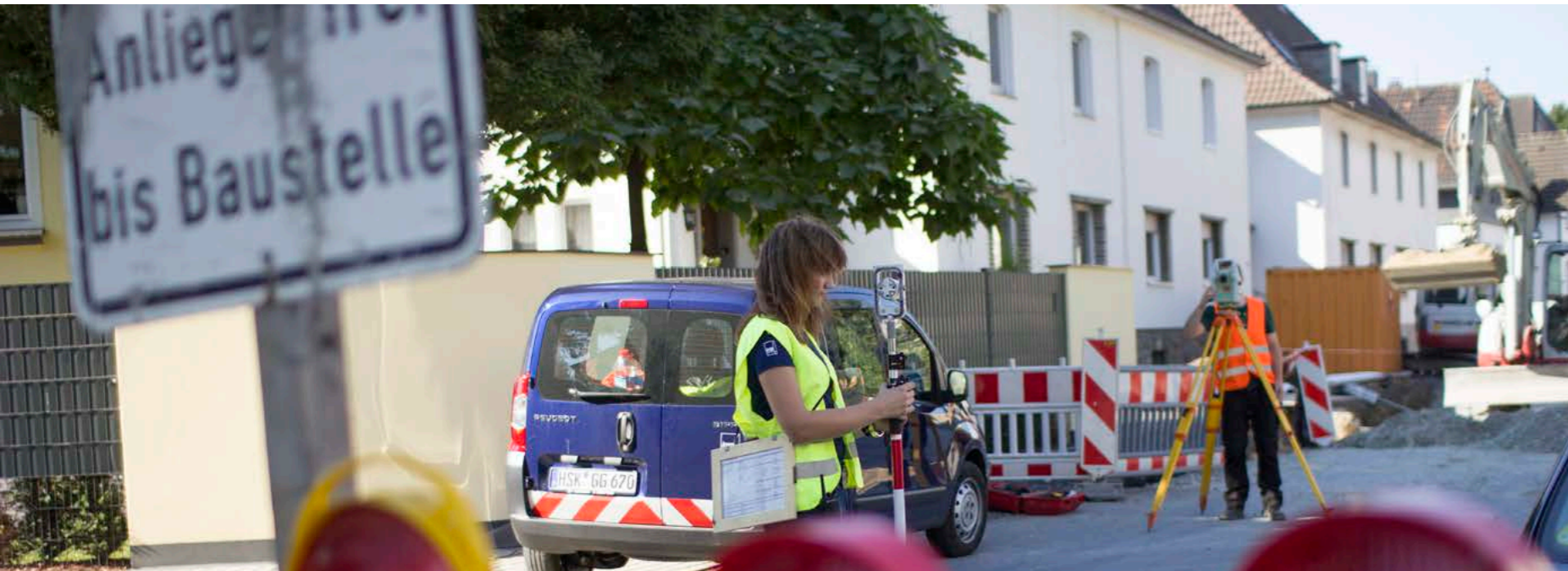
In our business area Geo-Information Value Management (Geo-IVM) everything revolves around CAD/GIS-

- data-,
- system- and
- project management

We assist you in maintaining the value and permanence of your data.

Our services

- analysis of existing databases
- creation of migration concepts
- generation of conversion guidelines
- provisioning of computing resources
- data refinement
- quality control
- process planning and project consulting
- software optimization
- customized GIS training



FOCUSED ON OUR CUSTOMERS` NEEDS
WE ARE THE FIRST ADDRESS FOR YOUR
DEMANDS.

DESIGN AND PLANNING

Planning laws, special legislation and a number of technical aspects must be considered when for instance planning a high-voltage power line or a gas line just as regional policy harmonization procedures, environmental considerations, and the many necessary individual permits must also be taken into account.

Our services

- measures to achieve an approvable and developable
- utility line route
- route planning
- surveying
- assistance with regional policy harmonization procedures
- environmental impact studies
- acquisition of utility line way-leaves

TRACING OF CABLES AND POWER LINES

The construction of high-voltage overhead power lines or high-voltage cables should take into account safety and economical aspects and at the same time be possible within a reasonable time frame. Furthermore, existing overhead power lines must be inspected to ascertain that the legal and technical regulations are being adhered to or can be met through modernization projects.

Our services

- route tracing and tower siting
- generating location plans and profiles
- staking out and tracing check
- engineering surveying during construction
- control surveying / inspection surveying
- data storage
- design and development of GIS applications
- interface programming
- tools for data migration
- structural analysis of towers

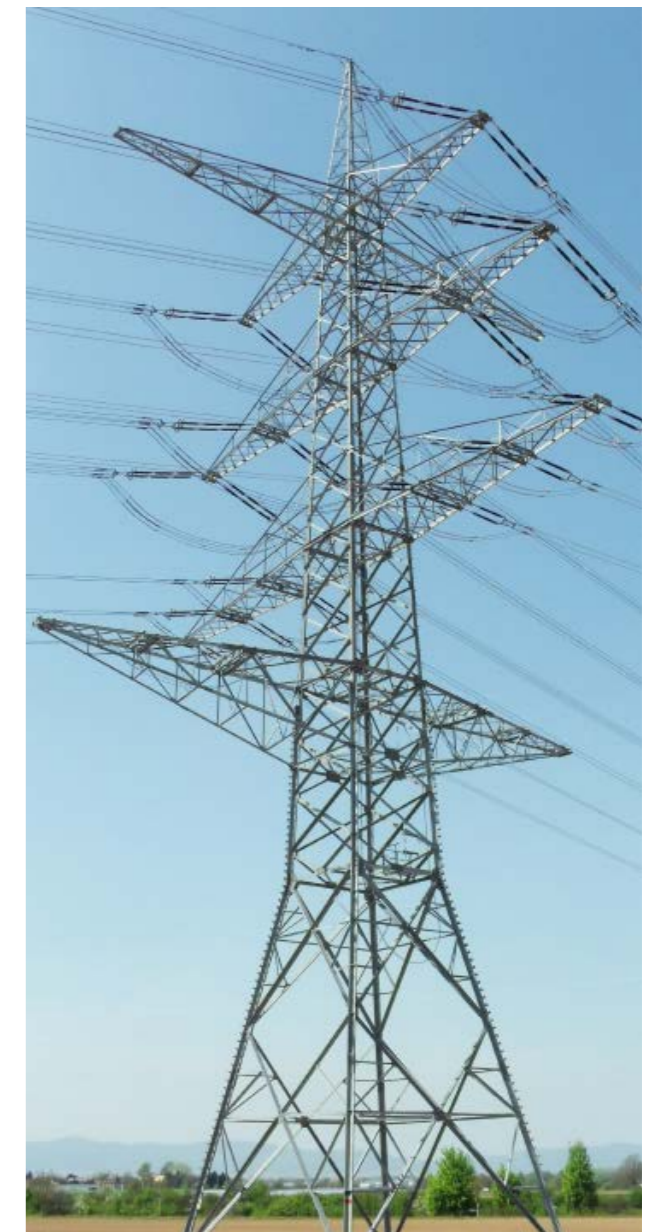
SOFTWARE SEIL++

SEIL++ is an innovative software application for advanced planning, design, and operation of high-voltage overhead power lines and is the leading power line engineering software.

Our services

- support for current and historical standards
- support for additional international standards
- relational database
- individual workstations or client-server solutions as desired
- interfaces to all the major data formats

The modular structure provides a comprehensive planning instrument which integrates seamlessly into your programming landscape through various different interfaces.



3D-ENGINEERING

Laser scanning is a very fast, high-resolution measurement procedure in which large quantities of three-dimensional points are measured with reflection intensity and, if applicable, true color. This makes it possible to record large surfaces very rapidly - both geometrically and visually. Depending on the assignment, scanning is either performed from airborne or from the ground (terrestrial).

Our services

- complete and efficient 3D asset data acquisition
- documentation of changes
- simple visualization and presentation
- derivation of 2D and 3D drawings
- planning basis for modifications of existing infrastructure
- simulation and collision simulation
- integration of existing planning documents

Benefits

- speed and cost effectiveness
- accuracy and detail reproduction
- uniform 3D model
- immediate working basis with no additional processing needed
- availability of data for later evaluations
- editing with high-resolution referenced photos
- clarity through spatial representation
- safety as a result of non-contact surveying

ENGINEERING SURVEY

We use state-of-the-art technology for engineering surveying. This allows us to collect data quickly and economically.

Our services

- topographic surveying for utility line documentation
- locating cables and pipes
- sewer surveying / legal surveying
- staking out sites and volume calculation
- deformation and settling measurement
- surveying during construction, construction progress monitoring
- generation of digital terrain models
- asset data acquisition and factory documentation
- building surveying



PIPELINE ENGINEERING

The planning engineers of the pipeline engineering department have comprehensive engineering competence when it comes to consultancy, routing layout or engineering services generally required to construct transregional or inner-city supply pipelines.

Appropriate approaches to solutions will be prepared based on the technical and economic terms of reference specified by the customer, and with due consideration to safety or approval concerns.

Furthermore, we offer the following major services with regards to pipelines:

- feasibility or routing studies
- profitability calculations or risk analyses
- environmental impact assessments
- approval or licensing to procedures (according to ROV, PFV, the German mining law or GasHDrLtGv or similar)
- pipework calculations
- coordination of surveyors, consultants or experts
- interchanges or special structures in pipeline engineering
- coordination of health and safety protection in the planning stage

Furthermore, our sectoral planning engineers are involved in the following activities during the preparation or construction of pipelines or supply networks:

- engineering services during construction
- start-up documentation
- preparation of operation manuals
- performance of final inspections to complete the processes for the provision of physical safeguarding



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