

## Over 200 years of official surveying in Bavaria

The Bavarian Administration for Surveying (BVV) is one of the oldest but also one of the most modern government agencies in Bavaria. In 1801, Prince-Elector Max IV. Joseph – the later King Max I. Joseph – laid the foundation for Bavarian land surveying with the Topographic Bureau. Its task was to compile a complete, astronomically and topographically accurate map of Bavaria. In 1808 he assigned the management of precise surveying to the Königlich unmittelbare Steuervermessungs-Kommission (Royal Direct Tax Surveying Commission). The reason was the realisation that a fair taxation of land was only possible on the basis of the accurate surveying and cadastral registration of all parcels of land.



through a tacheometer yourself. A small, separate room is dedicated to the figures of Soldner, Reichenbach, Fraunhofer, Schiegg, Senefelder and Utzschneider. The core of the exhibition is made up of measuring instruments and accessories from 1801 to the present.



The exhibition is open every Thursday from 1 p.m. to 4 p.m.

## Printing History Workshop

Created in 1996, this workshop recalls the first LDBV printing shop established as the “Lithographic Institute” on 10 June 1808. It gives insight into the history of printing. Impressive printing machines, such as an original “Sternpresse” take the visitor back to a time of great change and progress.



A particular highlight is presented to visitors during the “Long Night of Museums”: the print of an original lithographic stone from the stone cellar is produced on a historical stone printing press. Furthermore, fundamental printing techniques, from letterpress printing to modern offset printing, are clearly explained in the Printing History Workshop.

## A heritage set in stone



The lithographic stone archive of the Bavarian Agency for Digitisation, High-Speed Internet and Surveying (LDBV) contains a stone library that is probably unique in the world in terms of its type and extent. Here you can find the results of the first Bavaria-wide property surveying, which have been under a preservation order since 1980. The archive comprises 26 637 lithographic stones. From the beginning of official Bavarian surveying and well into the 20th century they were used for the reproduction and continuation of maps and plans.

## Exhibition on the History of Surveying

As you go through the exhibition, you will discover traces of the more than 200-year history of the Bavarian Administration for Surveying, from its emergence at the beginning of the 19th century through to today’s technologies. You can find out, among other things, about the significance of measures and area, about position and height measurement and about marking techniques, and can even look

## Where to find us

Landesamt für Digitalisierung,  
Breitband und Vermessung  
Alexandrastraße 4  
80538 München

Underground line U4, U5 to Lehel  
Tram line 18 to Lehel  
Bus line 100 to  
Nationalmuseum/Haus der Kunst  
Internet [www.geodaten.bayern.de](http://www.geodaten.bayern.de)

## Our customer telephone service

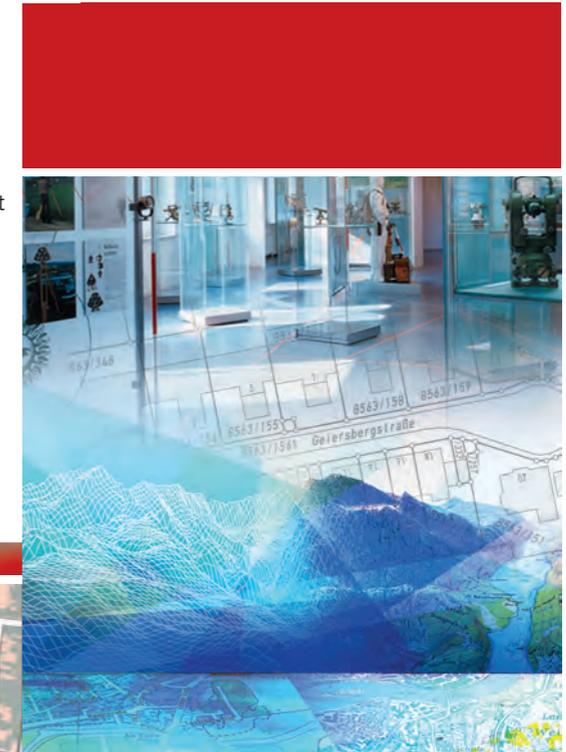
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Email [service@geodaten.bayern.de](mailto:service@geodaten.bayern.de)



Based on: Digitale Ortskarte (DOK)

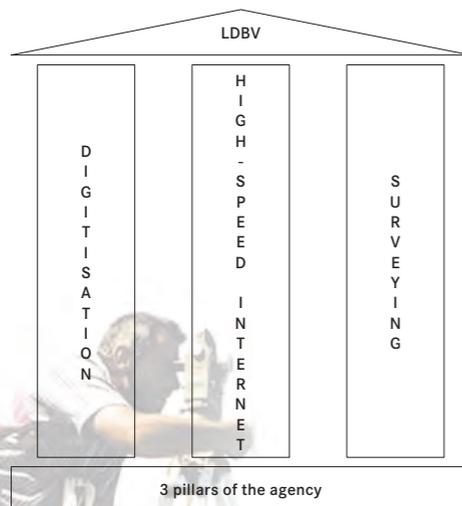
2016 edition



Activities  
Products  
Tradition

## Activities and organisation

Our environment is constantly changing. The up-to-date documentation of the space in which we live in the form of maps, digital geospatial data and geoservices is therefore an ongoing task for the **Bavarian Agency for Digitisation, High-Speed Internet and Surveying (LDBV)**. In addition, it has further responsibilities in the context of the E-Government strategy of the Bavarian state government: with the “Montgelas 3.0” digitisation project (BayernPortal, E-Government Act and E-Government Pact), administration is to be digitised. In implementing its activities, LDBV builds on the three pillars of digitisation, broadband expansion and surveying.



### IT Service Centre of the Free State of Bavaria (IT-DLZ)

For the public authorities and courts in Bavaria, IT-DLZ provides high-performance, forward-looking E-Government applications and central infrastructures for the operation of IT systems. Among other things, it runs a central platform with cross-authority mailboxes for the government agencies on the Bavarian government intranet. Physical and virtual servers, high-availability databases and modern platforms for data storage are the centre's basic IT services.

### Bavarian High-Speed Internet Centre Amberg (BBZ)

High-speed internet for the whole of Bavaria: the Bavarian High-Speed Internet Centre is the central point of contact for everyone involved in the broadband expansion in Bavaria. Its main tasks are improving broadband penetration within the scope of the funding programme, coordinating the advisory services of the broadband managers, optimising the quality of advice and facilitating the networking of all parties involved. By 2020 Bavaria is to be covered with a dense network of free Wi-Fi hotspots. At 5 000 locations with more than 10 000 access points, Bavaria will offer high-speed internet access for everyone. This project is coordinated and managed by the BayernWLAN Centre Straubing.

### Bavarian Surveying and Mapping Authority (BVV)

The supreme administrative authority of the BVV is the Bavarian State Ministry of Finance, Regional Development and Regional Identity. The Bavarian Agency for Digitisation, High-Speed Internet and Surveying (LDBV) acts as an intermediate authority. Its product range covers everything from digital geospatial data, aerial image products and online services through to positioning services, Topographic Maps and BayernAtlas. LDBV is the central point of contact for the entire field of official surveying in Bavaria and is the supervisory authority for the 51 Agencies for Digitisation, High-Speed Internet and Surveying (ADBV) across Bavaria with their 22 branch offices. These are responsible for property and building surveying. They manage and update the Authoritative Real Estate Cadastre Information System (ALKIS®), in which the Automated Property Register (ALB) and the Digital Field Map (DFK) are combined and which, along with the land register, protects ownership status. This data forms a vital basis for planning in the fields of business, public administration and recreation. Complete coverage and highly up-to-date information are quality features of our data and products.

## Analogue and digital products (selection)



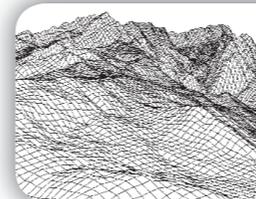
### Topographic maps

Topographic maps, e.g. the Official Topographic Map 1:25 000 (ATK25) and the Regional Map, can be used in many areas: recreation, environmental protection, public administration and teaching materials for schools.



### Analogue and digital aerial image products

Aerial images are high-resolution photographs of the earth's surface. Orthophotos (rectified aerial images) allow the area pictured to be represented to scale and with correct positioning.



### Digital Terrain Model (DGM)

The Digital Terrain Model is a three-dimensional, model-based representation of the earth's surface. Here the area is depicted by a regular grid.



### ATKIS®-Basis-DLM

The ATKIS®-Basis-DLM depicts the landscape through the spatial position, geometric shape and attributes of features and the relationships between features. It is excellently suited as spatially referenced basic information.



### 3D building model

The 3D building model in Level of Detail 1 (LoD1) facilitates the 3D visualisation of the buildings in the real estate cadastre as a block model with a flat roof. An LoD2 with standard roof shapes is currently being created.



### Historical maps and images

The land of our ancestors as maps and map series, historical copper engravings and pages of the first Bavarian real estate cadastre recording (1808-1864).

## Services (selection)



### BayernAtlas

Anyone who wants to find their way around the region needs reliable, up-to-date geospatial data. With Topographic Maps and up-to-date aerial images covering the whole of Bavaria, BayernAtlas is THE free map service for Bavaria.



### GEODATENONLINE

This E-shop for ordering geographic reference data provides you with up-to-date information on all land-related matters along with digital products of the Bavarian Administration for Surveying – quickly and simply and directly to your home.



### SAPOS® Satellite Positioning Service

SAPOS® facilitates highly accurate positioning in terms of location and height. Fields of application include vehicle navigation, surveying, agriculture and forestry, shipping and emergency services.



### ALKIS®

The Digital Field Map (DFK) and the Automated Property Register (ALB) along with other important information are combined in the Authoritative Real Estate Cadastre Information System (ALKIS®) and kept up-to-date there.



### Property surveying

This serves to determine property boundaries and contributes to protecting ownership. Clear boundaries prevent disputes and facilitate good neighbourliness.



### Building surveying

With the recording of survey data for new buildings and building alterations, the real estate cadastre is kept constantly up-to-date. On request, a certificate of adherence to boundaries can also be issued.