

STRONG INITIATIVES

The Galileo Test and Development Environment (GATE)

The Berchtesgardener Land in the south east of Bavaria is the mission area for this unique ground based realistic test bed for Galileo applications. Initiated by the DLR GATE offers receiver manufacturers and application developers various opportunities to test their ideas and conduct experiments here. (www.gate-testbed.com)

STRONG PARTNERS

The Anwendungszentrum Oberpfaffenhofen (AZO)

Clearing the obstacles for founders of new businesses this Satellite Navigation Application Centre serves as an ideal incubator and offers true incentives to start-ups in this sector. In 2004, it also initiated the internationally held **European Satellite Navigation Competition** which annually honours the best ideas for applications of satellite navigation. Every year, the "Galileo Masters" are awarded in the prestigious premises of the Residenz in Munich.

(www.anwendungszentrum.de and www.galileo-masters.eu)

The ESA Business Incubation Center in Oberpfaffenhofen

Having an extremely high degree of expertise bundled in Oberpfaffenhofen it is no wonder that in 2009, the European Space Agency (ESA) chose this vibrant centre for its fourth ESA BIC in Europe. Run by the AZO and linked to the new Aerospace Technology Park Oberpfaffenhofen it is meant to support 40 new business start-ups until the end of 2013. Business founders especially profit from the ESA network that enables them to get in contact with potential partners throughout Europe. (www.esa-bic.de)

Invest in Bavaria – the agency that pulls the strings

To open up the maximum benefit of present advantages for investors **Invest in Bavaria** is the central drop-in center for all business projects aimed at relocating or expanding in Bavaria. Our international team within the Bavarian Ministry of Economic Affairs, Infrastructure, Transport and Technology has access to technology networks and personal contacts to research institutes and enterprises. Therefore, we are able to provide essential information on business support, links to networks and possible collaboration partners, tailored proposals for selection of a location and other information on the State of Bavaria and its location factors. Of course, our service is highly confidential and free of charge. Get in touch with us!

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Satellite Navigation in the Heart of Europe

Bavarian Ministry of Economic Affairs,
Infrastructure, Transport and Technology



BAVARIA - STRONG LOCATIONS

Satellite navigation is the industry of tomorrow. The range of possible activities for enterprises is vast, but increasing opportunities also bring along increasing competition.

To support the development, production, marketing and sale of products Bavaria offers an innovative research environment, top infrastructure, highly qualified staff, reliable suppliers and a wide selection of potential buyers among application-oriented technology enterprises.

This is coupled with innovation-friendly economic policies offering extensive development programs and initiatives (e.g. BaySAT Krisis and Infomobility). In particular, the recently issued strategy program of the Bavarian Ministry of Economic Affairs to further strengthen the industry of aerospace and satellite navigation proves once again that the State of Bavaria is the driving force within this sector – in Germany and in Europe.

STRONG INDUSTRY - STRONG COMPANIES

In Bavaria, more than 150 satellite navigation companies with over 1,500 employees generate more than 350 mio. Euros in revenues with satellite navigation applications. High ranking companies such as EADS Astrium, IABG, Siemens, Kayser-Threde, T-Systems, Diehl, ESG, Rohde & Schwarz, IFEN, Eureka and GPP are just some of the potential clients and partners new enterprises might be looking for. Brought together by Bavarian clusters and networks the ways of mutual benefits are various and vitally important to anyone involved in satellite navigation.



STRONG NETWORKS

In 2006, the Bavarian cluster for satellite navigation - **bavAIRia e.V.** - in Oberpfaffenhofen was founded through the governmental cluster initiative "Allianz Bayern Innovativ" and signifies an excellent network for all players involved in the application of satellite navigation services.

By accompanying individual projects and co-operations the cluster especially deals with the development of innovative services based on satellite navigation, earth observation (e.g. GMES) and satellite communication. With a main focus on the European Satellite Navigation System "Galileo" bavAIRia provides various user forums dealing with the whole value chain of several sectors such as ICT, tourism, defence and security, automotive, logistics, robotics and GIS. PRS (Public Regulated Service) - probably the most challenging of the 5 future Galileo services - is a major topic and the cluster works closely together with the Bavarian government to further emphasize this issue on a federal level. Round table discussions, symposia and the Galileo Roadshow spreading information on this unique European project are frequently offered as well.

bavAIRia e.V. equally runs the Bavarian aerospace cluster. Its strong commitment traverses national borders and enables international business and cluster co-operations in Europe, America and Asia. (www.bavAIRia.net)

As satellite navigation and its application touches a variety of high tech sectors, companies in this field are most likely to benefit from other Bavarian cluster networks, too. To get an overview please visit www.invest-in-bavaria.de/en/bavarias-clusters.



STRONG INSTITUTES

The German Aerospace Centre (DLR) in Oberpfaffenhofen
Situated right next to the special-purpose airport in Oberpfaffenhofen the DLR operates eight scientific institutes and facilities such as the Institute of Communications and Navigation, the German Space Operations Centre and - of course - the **Galileo Control Centre**, which is monitoring the immense European Satellite Navigations System.

More than that, the DLR is significantly involved in **GMES** (Global Monitoring for Environment and Security), another joint project of ESA and the European Commission. (www.dlr.de)

The Fraunhofer Institute for Integrated Circuits and Julius Maximilian Universität Würzburg - Center for Telematics are two main research institutions for applied sciences of satellite navigations and indispensable partners for any R&D project in this sector. (www.fraunhofer-iis.com and www.telematik-zentrum.de)

The Technische Universität München, the Ludwig-Maximilians Universität Munich and the Munich University of Applied Science constitute three important scientific and technological institutions providing for highly qualified staff and personnel with new and state-of-the-art degree programs related to satellite navigations.

The Universität der Bundeswehr München also offers relevant courses of studies and annually organises the Munich Satellite Navigation Summit. This distinctive international conference with excellent high level speakers has meanwhile become a "must to attend" for all global players and leaders of satellite navigations. (www.munich-satellite-navigation-summit.org)

