



Business and Science Location Regensburg

February 2018

Regensburg – History meets future

Fostering modern technology and conserving the historic environment



... Quality of life



... Italian-like atmosphere

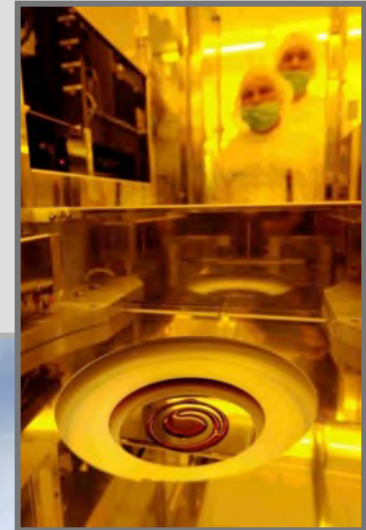


... Innovation



Regensburg – highlights from its longstanding history

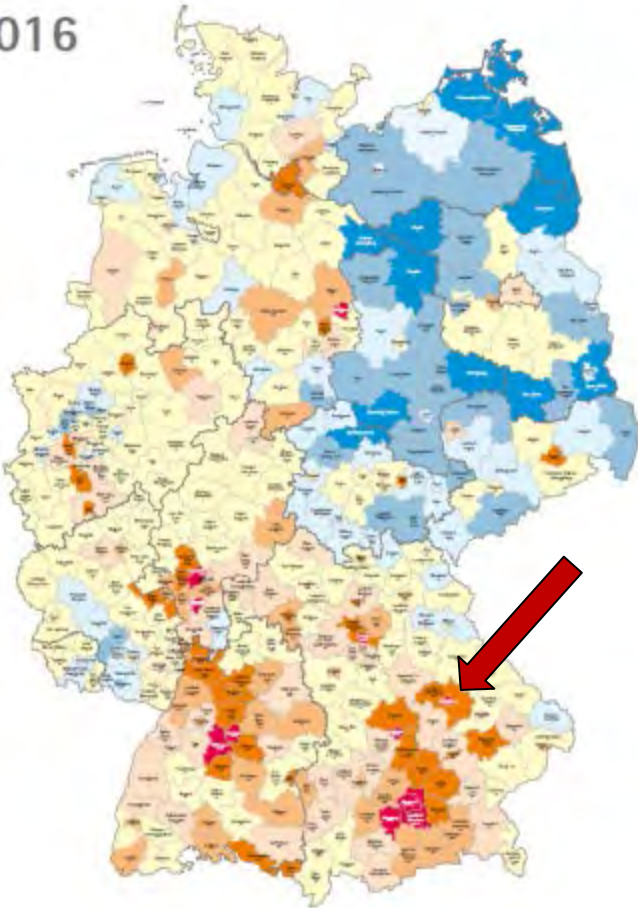
- 500 B.C. Celtic Settlement
- 179 A.D. Roman Fortress “Castra Regina”
- Middle Ages Leading trading centre in Germany since the Roman Imperial period (trade routes to Venice, Kiev, Paris etc.)
- 1245 – 1803 “Free Imperial City”
- 1967 University of Regensburg
- 1992 University Hospital
- 2006 UNESCO World Heritage
- 2012 Regensburg selected as future site of the Museum of Bavarian History



Prognos 2016 Regensburg as a German top location

Zukunftsatlas
2016

index



Klasse	Gesamtrang	Kreis/Stadt	Demografie	Wirtschaft & Arbeitsmarkt	Wettbewerb & Innovation	Wohstand & Soziale Lage	Stärkerang	Dynamikrang	Digitalisierungs-kompos.
1	1	München, Landkreis	85	5	2	2	1	14	*****
1	2	München, Landeshauptstadt	10	7	4	45	2	3	*****
1	3	Ingolstadt, Stadt	12	40	1	104	4	1	*****
1	4	Bildingen, Landkreis	86	89	3	7	3	24	*****
1	5	Wolfsburg, Stadt	71	71	5	114	4	2	***
1	6	Erlangen, Stadt	23	4	10	77	5	71	*****
1	7	Stuttgart, Landeshauptstadt	34	8	6	192	8	9	*****
1	8	Sachsen, Landkreis	172	18	11	7	7	42	*****
1	9	Darmstadt, Stadt	2	2	46	290	9	19	*****
1	10	Frankfurt am Main, Stadt	16	6	10	68	10	6	*****
1	11	Regensburg, Stadt	5	22	23	155	10	5	****
2	12	Ludwigshafen, Landkreis	112	74	7	17	10	22	****
2	13	Main-Taunus-Kreis	189	12	23	41	10	34	*****
2	14	Heidelberg, Stadt	8	7	75	177	12	8	*****
2	15	Hochtaunuskreis	362	3	41	10	11	35	*****

- Swiss Prognos Institute for Prospective Technological Studies analysed all 402 German cities and districts (Landkreise)
- criteria:** dynamism, demographic perspectives, prosperity, employment, competitiveness, innovation capabilities, etc. (Zukunftsatlas 2016)
- Since 2000 Regensburg ranges among the **top 15 German business locations**

Regensburg – Top of the Danube



- UNESCO-World Heritage site
- **165,000** inhabitants
- **33,000** students – **3** universities
- **148,000** jobs (jobless rate under **3%**)
- **803** jobs per 1000 inhabitants
- **83,237 €** gross domestic product per inhabitant
- catchment area of approx. **700,000** people
- only **60 minutes** driving time from 2 international airports (MUC, NUE)
- largest inland port in Bavaria

Employment structure

Regensburg offers some 148,000 jobs

- 28 % in the manufacturing sector
- 50 % in the service sector
- 18 % in the trade and transport sector
- 2 % building industry
- 1 % any other business



Unemployment rate

- 2.2 % (11/2017)

- **Regensburg is a production- and technology-oriented business location**
- **Regensburg has available a tremendous potential of highly-skilled workforce**

Human Resources – manpower and qualification level

- more than 40,000 employees in the manufacturing sector
 - considerable number of technical graduates p. a.:
 - ❖ mechanical engineering 170
 - ❖ electrical engineering 110
 - ❖ informatics 110
 - ❖ microsystems / mechatronics 125
 - ❖ natural sciences 145
 - leading private education facility in Germany for technicians (Eckert)
 - highly-skilled workforce available in the area
 - favourable demographic outlook
- High qualification level and reliability of the workforce in Regensburg (BMW Factory in Regensburg N° 2 car plant world wide in terms of quality of work)
 - Working hours lost through absenteeism: 2nd rank in Bavaria and partly 15% below the level of other Bavarian regions with refer to the metal and electrical industry
 - Support in recruitment activities by the Municipality of Regensburg, the Local Employment Agency, the Universities (annual HR Fairs) and a great variety of HR service companies

Regensburg – Higher education landscape

**Technical University
OTH Regensburg**
(ca. 10.500 students)

Focus on engineering

- Automotive Electronics (MA course)
- Electrical Engineering
- Industrial Engineering
- Technical Informatics
- Mechanical Engineering
- Microsystems
- Automation and Production Technology
- Sensor Technology

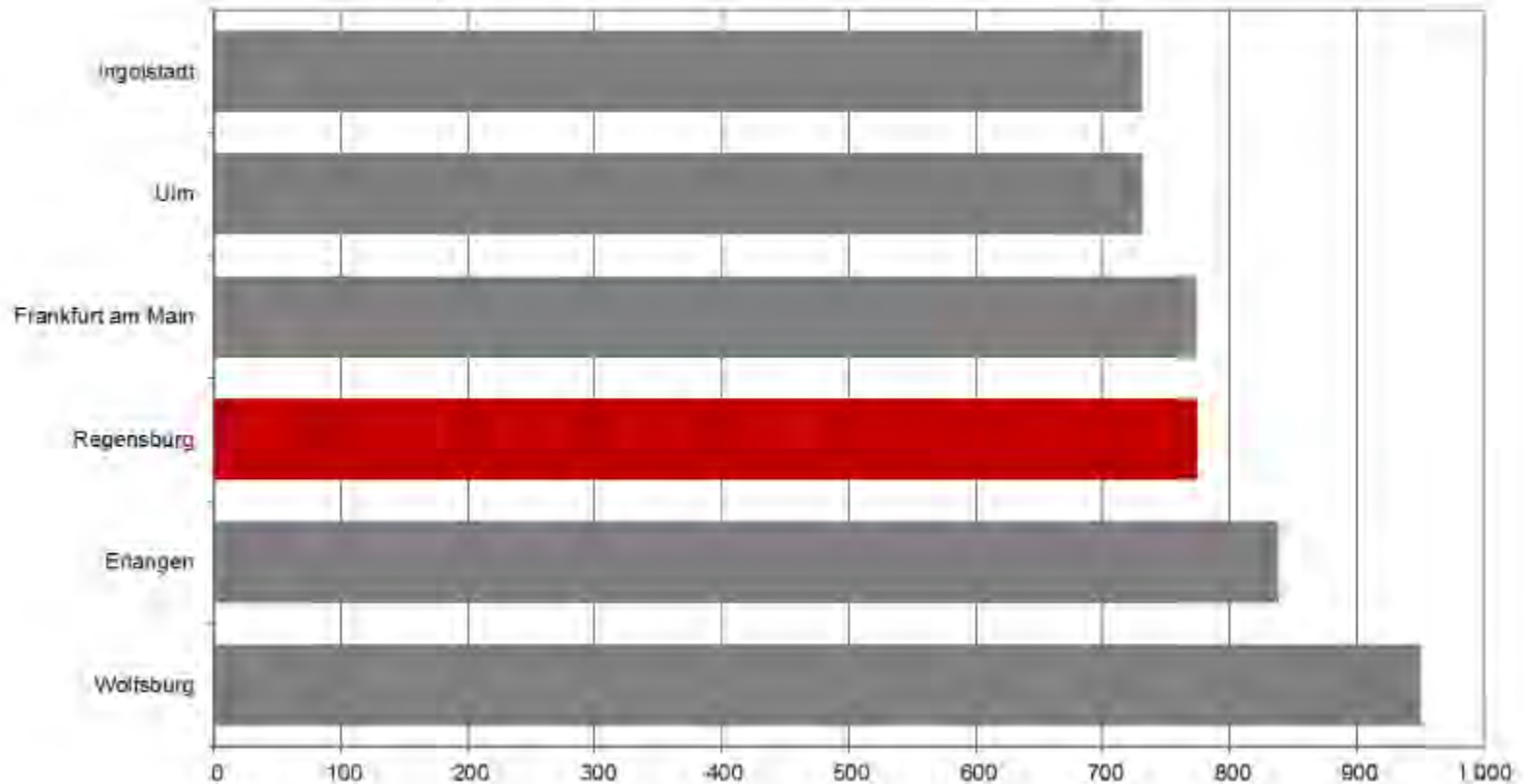
**University of Regensburg
Universität Regensburg**
(around 21,500 students)

- Physics
- Chemistry
- Medicine
- Informatics
- etc.

Elite programs & study courses

- Neuro-Cognitive Psychology
- Physics
- Eastern European Studies
- Economics

Job density in Regensburg (Germany wide comparison)



* employees liable to pay social insurance contributions per 1,000 inhabitants

Source: Statistische Ämter des Bundes und der Länder (30.06.2014)

Regensburg – Global Players and powerful SMEs



Products – Made in Regensburg

- BMW – series 1, series 2, series 3, Z4, series 4 convertible, X1
- Transformers and Tap changers – MR, SGB
- Tire pressure sensors – Infineon Technologies AG, Continental AG
- LEDs and IR Laser – OSRAM Opto Semiconductors
- Synthetic Genes – Thermo Fisher Scientific
- OLEDs – OSRAM AG



© BMW AG



Regensburg – Expansion and relocation potential

- High Tech Area Burgweinting
- Special industrial zones for SMEs
- Bayernhafen Regensburg (port)
- a large number of business sites offered by private investors and PPP
- BioPark – business park and incubator for life science companies
- TechBase – incubator for technology-related companies



Regensburg – Profiles and Clusters

Main sectors

- Automotive
- Mechanical Engineering
- Energy Technologies
- Electrical Engineering

High Tech in Regensburg

Cluster structures

- Life Sciences
- IT-Security
- IT-Logistics
- Sensor Technologies
- Energy / E-Mobility
- Healthcare
- Culture and Creative Industries

Scientific institutions

- University of Regensburg
- University of Applied Sciences
- University Hospital
- Leibniz Institute
- Fraunhofer project groups

“Areas with a strong focus on strategic clusters will prevail“

Source: Prognos Zukunftsatlas

Innovation Clusters since 1996



- **Life Sciences:** www.biopark-regensburg.de
- **Information Technology:**
 - **IT - Security:** www.it-sicherheit-bayern.de
 - **IT - Logistics:** www.it-logistik-bayern.de
- **Sensor Technology:** www.sensorik-bayern.de
- **Mechatronics & Automation:** www.cluster-ma.de
- **E-Mobility:** www.elektromobilitaet-regensburg.de
- **Energy:** www.energieagentur-regensburg.de
- **Culture and Creative Industries:** www.regensburg.de/degginger
- **Health Care:** www.biopark-regensburg.de

Innovation Clusters

Life Sciences and Health Care

BIOTECHNOLOGY | MEDICAL ENGINEERING | PHARMA | ANALYTICS | HEALTH



Health Industry of Regensburg

- 1.4 billion Euro turnover
- 15,500 employees

Cluster BioRegio Regensburg

- 51 companies (Life Sciences)
- 3,863 employees

BioPark Regensburg

- 18.000 qm area
- 36 tenants
- 600 employees
- flexible leasehold concept & single offices
- comprehensive range of technology & services
- personal consulting and flair
- direct motorway connection
- located on the University Campus (Infrastructure)
- excellent location factors
- own day-care facility
- over 40 start-ups since 1999
- conference rooms and theatre for external rent
- accessible routes to the most important networks
- active location marketing

THE SUCCESSFUL INNOVATION CENTRE

MADE IN REGENSBURG



Member of  CLUSTER
BIOTECHNOLOGIE

A company of the City of Regensburg

Innovation Cluster IT-Security



- launched 2006, since July 2013 organized as Bavarian IT Security & Safety Cluster
- locations:
 - head office at the TechBase Regensburg, Innovation and Start-up Center at the TechCampus
 - office at the IT-Start-up Center aiti-Park in Augsburg
- 130 members, commercial enterprises as well as universities/ research institutes
- Information Management-System Product ISIS12
- targets:
 - concentration of the IT-Security-expertise in Bavaria
 - support in education and training
 - initiation and steering of cooperations between economy and science



Innovation Cluster IT-Logistics



- launched 2011
- location: TechBase Regensburg, Innovation and Start-up Center at the TechCampus
- 60 cluster players, commercial enterprises as well as universities/ research institutes
- August 2014: inclusion in the „go-cluster“-program of the Federal Ministry for Economic Affairs and Energy
- February 2017: awarded with the Silver Label of the European Cluster Excellence Initiative
- recurrent events: Bavarian Innovation Congress, Annual Conference, Logistics Breakfast on-site, Logistics on-site, network and work meetings, fair LogiMAT
- strategic issues: IT-solutions für intra logistics und goods- and transport logistics
- aims: → concentration of the IT-Logistics-competence in Bavaria
→ initiation and support of cooperation projects
→ joint marketing and PR



Innovation Cluster Sensor Technology

Strategische Partnerschaft Sensorik e.V. (SPS) Cluster Sensorik



The industry sector of sensor technology in Germany and Bavaria...

... and your local network Strategische Partnerschaft Sensorik e.V.

international

- small and medium-sized businesses
- dominate the global market as Hidden Champions
- export quota of German measuring systems about 70%

innovative

- universal cross-sectional technology: automation, mechatronics, life science, environmental technology, ICT, safety and security
- hightech-products, services, driver and precursor of digitization

economically strong

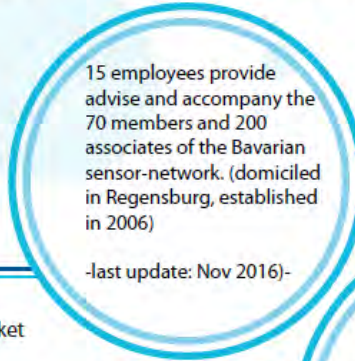
- 70% increase of turnover in the last ten years
- about 250.000 employees nationwide
- over 20% of 800 German producers of industrial measuring systems from Bavaria



our strategy
Networking with strong partners for joint success.



our mission
Saving Bavarians technological and market leadership of sensor technology and strengthen it worldwide.



15 employees provide advise and accompany the 70 members and 200 associates of the Bavarian sensor-network. (domiciled in Regensburg, established in 2006)

-last update: Nov 2016-



The support from Cluster-Offensive of the Free State of Bavaria, contributions from members plus additional fundings for thematically focussed projects enable us to supply a wide range of services.

our services for members and associates



concentrated know-how



expanding financial resources



branding and marketing



your voice - we communicate for you



benchmarking



innovation via networking



exchanging experiences and knowledge



complement expertise



developing and initiating cooperations



qualifications - fitting and practical



innovation management and strategic consulting

Innovation Cluster Mechatronics & Automation



- intention: transfer of knowledge and technology for medium-sized enterprises and promoting innovations
- Mechatronics -Electronics -Information Technology → key technologies of digitalization
- „local network on-site“ with regional offices in Regensburg, Augsburg, Nuremberg und Würzburg
- about 200 members
- about 1000 events every year
- until now 39 F & E projects initiated und accompanied
- training for academics at the **mechatronikakademie**
- joint stands e.g. at Akademia, Hannover Messe, Automatica, MOTEK, electronica/productronica
- **mechatronikmonitor** – annual key barometer of the regional machinery and plant engineering



Clustermanager Northern Bavaria
Rüdiger Busch



Clustermanager
Lower Bavaria/
Upper Palatinate
Tom Weber

Clustermanager Southern Bavaria
Christoph Unterburger

Innovation Cluster E-Mobility



- launched 2011
- location: TechBase Regensburg, Innovation and Start-up Center at the TechCampus
- 40 cluster players, commercial enterprises as well as universities/ research institutes
- recurrent events: Bavarian Innovation Congress, Annual Conference, E-Breakfast, E-Mobility on-site, network- und working group meetings, fair eCarTec
- strategic issues: electric vehicle, Smart Grid/charging infrastructure und ICT for mobility
- targets:
 - technological positioning of the location Regensburg in the range of the future topic E-Mobility
 - initiation and designing of research and application projects



Energy Agency Regensburg

- intention: to strengthen and enhance Regensburg's profile as a competence center for the energy and climate protection sector
 - mobilisation of the regional energy saving potential to raise the energy efficiency in the region
 - increased usage of the domestic resources for energy production
 - concentrating and networking regional competencies (cluster)
- independant contact person everything relating to energy and climate protection for citizens, enterprises and municipalities
- implementation of the Energy Use Plan of the City of Regensburg and the Energy Development Plan of the Region Regensburg
- future oriented energy projects: „Innovative Energy Region Regensburg“ (EFRE), E-Mobility, Energy Monitoring, Local Heat Network, Energy Education Strategy, Energy Education Center



BILDUNG & BERATUNG



KONZEPTION & MANAGEMENT



INFORMATION & NETZWERK



Innovation Cluster Culture and Creative Industries

- launched 2014
- „DEGGINGER“ in the city centre of Regensburg as space for creativity for the CCI players
- percentage of the CCI to the overall economy*
 - Regensburg: **11.1 %**
 - Bavaria: **7.9 %**
 - Germany: **7.7 %**
- volume of the CCI sales in Regensburg*
 - **about 430 Mio. Euro**
- number of freelancers/ enterprises*
 - **688**
- employees in the Regensburg CCI*
 - **ca. 4,100**

* according to the empirical study of the CCI situation in the City of Regensburg by the Office of Culture Industry Research, Köln 2011/2012



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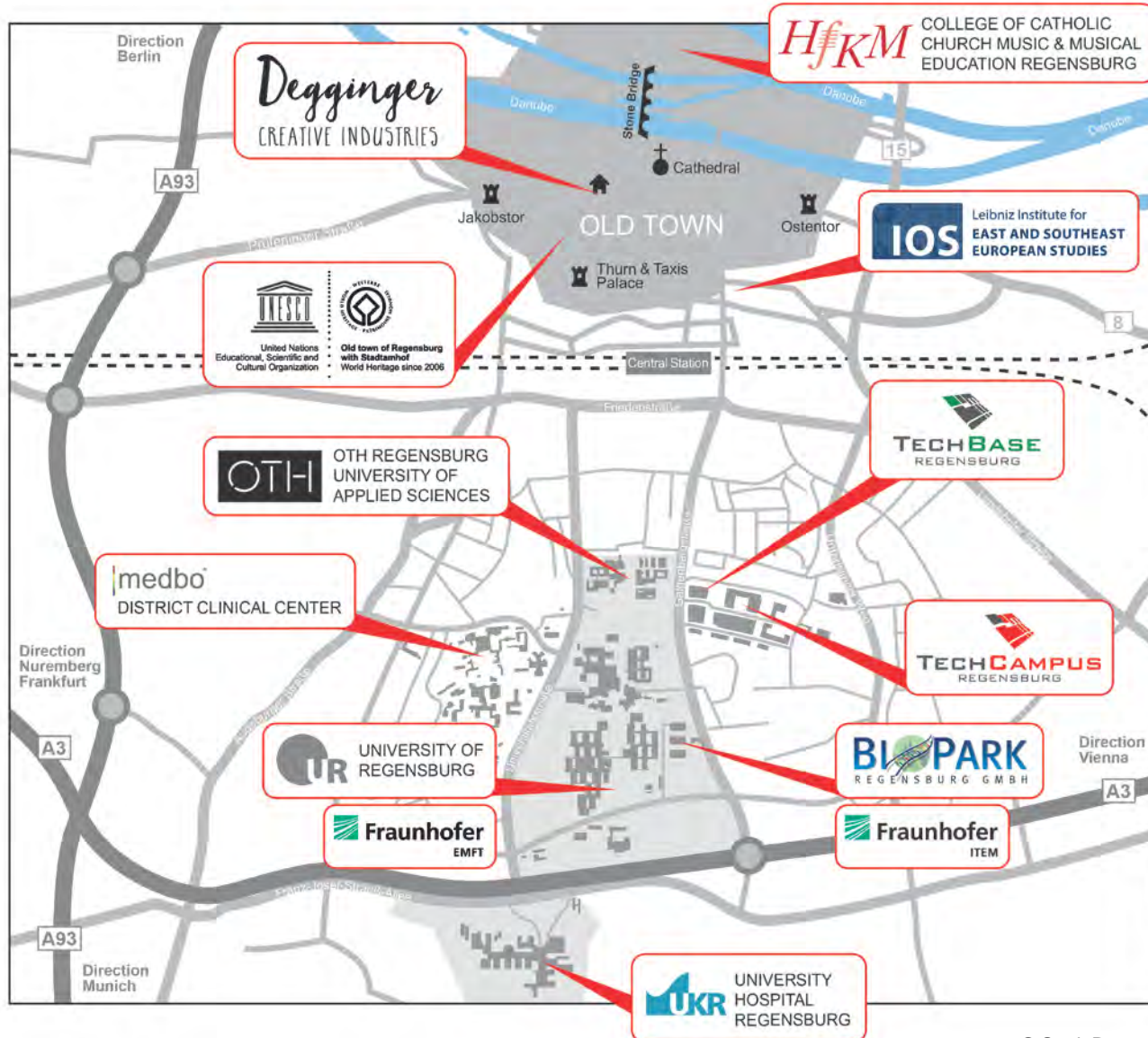


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Where innovation meets talents



Regensburg – Incubators and Technology Parks

SPACE FOR HIGH-FLYERS

30,000 m² usable floor space | over 100 leaseholders | over 1000 employees |
over 100 start-ups | modern offices | state-of-the-art laboratories | workshop spaces |
highly technical infrastructure | research space | flexible rental units | directly on university
campus with 33,000 students | start-up mentoring | international location marketing |
conference rooms (for use by external parties) | own day care facility for children



BIOTECHNOLOGY | MEDICAL TECHNOLOGY
PHARMACEUTICALS | ANALYTICS | HEALTHCARE

INFORMATION TECHNOLOGY | ENGINEERING
SENSORY TECHNOLOGY | ENERGY TECHNOLOGY | OPTICS

Two enterprises of the City of Regensburg


REGENSBURG GMBH
www.biopark-regensburg.de


TECHBASE
REGENSBURG
www.techbase.de

Science Night „Nacht.Schafft.Wissen“

Continuation of a successful format

- to provide information about STEM subjects in an entertaining way,
- to give insight into the fascinating work of scientists and engineers behind the scenes,
- to take advantage and inform about career opportunities.

5th Science Night organised on 30 April 2017 by the City of Regensburg with approx. 12.000 participants

Laboratory experiments, field tests and infotainment to inspire citizens with science and technology

Focus on youngsters and females

All major companies and universities involved in the action (part of them also as sponsor partners)

Programme 18-24 h with prior online registration to handle the demand



Vision 2030

more knowledge-based business, more RTD

„Economy and science in Regensburg merge into a place of knowledge and innovation.“

„The city is an attractive place for developers and an important centre for the production of high-quality goods.“

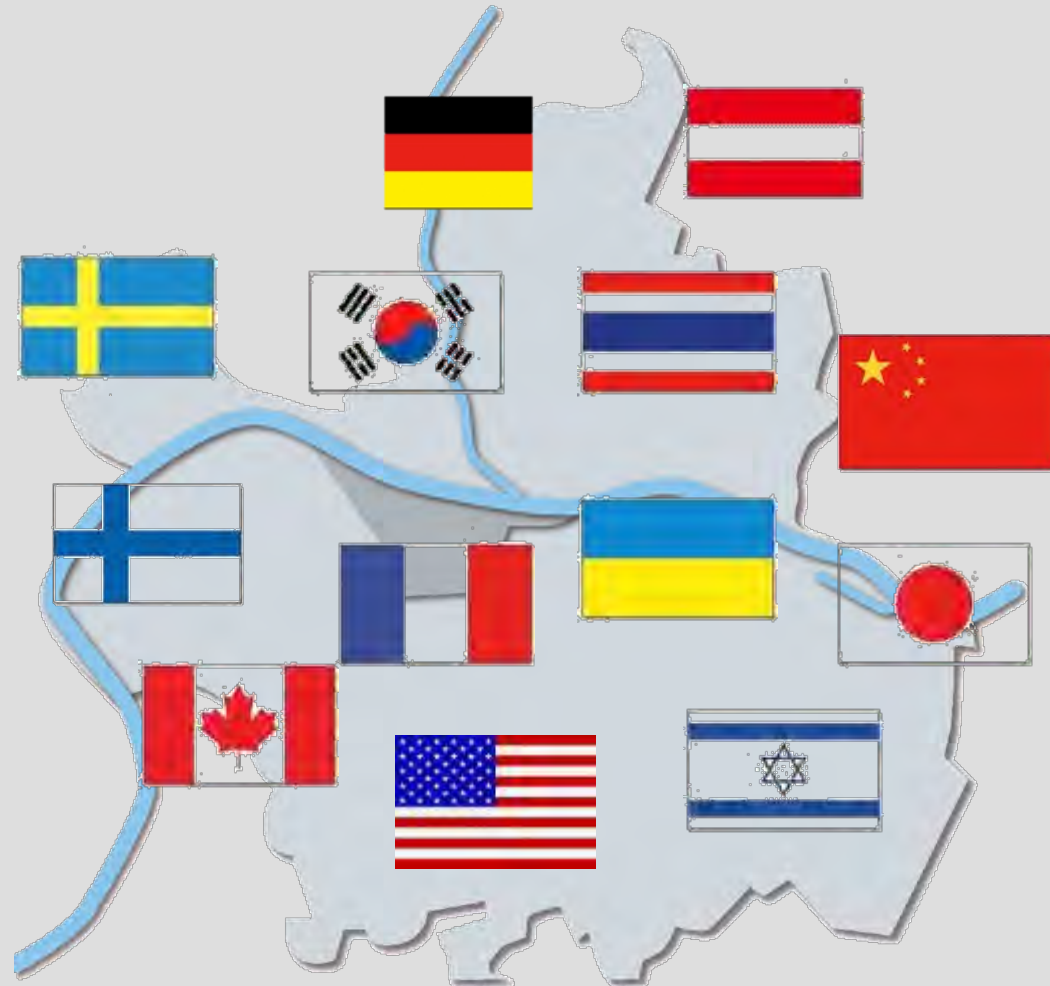


Main strategies for the future

- High added values through production
- Strong link between research and business
- Long term regional cluster policies
(Health Region, Creative Economy as future cluster topics)
- Focus on human resources in SME
- Own responsibilities for cities in economic development issues
- Active real estate policy by the city, but limited to land and special applications

Regensburg – an international business location

Welcome!



Contact



Dieter Daminger

Councillor for Economic, Financial and
Research Affairs

D.-Martin-Luther-Str. 3
93047 Regensburg (Germany)

phone: + 49 941 / 507 - 1002

mailto: daminger.dieter@regensburg.de

Contact



Toni Lautenschläger

Manager

RBD Regensburg Business Development
GmbH

D.-Martin-Luther-Str. 3
93047 Regensburg (Germany)

phone: +49 941 / 507 - 1850

mailto: lautenschlaeger.toni@regensburg.de

Impressum

Editor: City of Regensburg
Department for Economic and Research Affairs
D.-Martin-Luther Straße 3
93047 Regensburg (Germany)

responsible: Toni Lautenschläger
Head of the Department for Economic and
Research Affairs

photo credits: Stadt Regensburg (Ferstl, Effenhauser)
Herbert Stolz, con_temporary, Berli Berlinski,
Universität Regensburg, HfKM, UKR,
OTH Regensburg (Florian Hammerich)
R-Tech GmbH, Energieagentur e.V., BMW AG