



PRIORITY PROJECTS IN NRW

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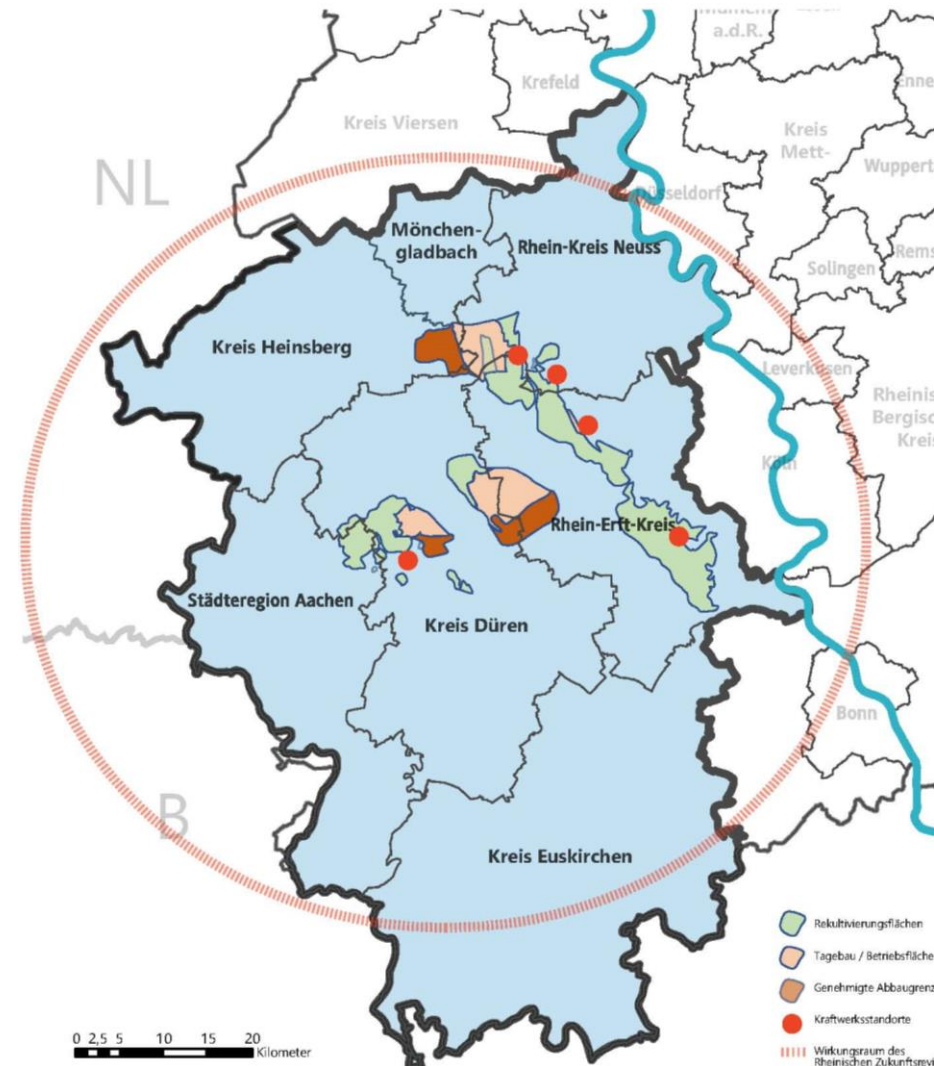
www.regionaachen.de

region
aachen

„RHEINISCHES REVIER“

KEYFACTS

- ZUKUNTSAGENTUR RHEINISCHES REVIER with
- Territorial Members:
 - Districts of Düren, Euskirchen,
 - Heinsberg, Städteregion Aachen
 - City of Mönchengladbach
 - Rhein-Erft-Kreis, and the
 - Rhein-Kreis Neuss
- Regional Partner Initiatives:
 - Tagebaufolge(n)landschaft Garzweiler
 - Team Hambach
 - Indeland GmbH



Source: www.rheinisches-revier.de/

„RHEINISCHES REVIER“

KEYFACTS



- "Rheinisches Revier" is characterised by the Mining, conversion and refinement of lignite
- Region faced structural transformation before in the 70-90s, triggered by the end of the hard coal mining era
- Experience of successful transformation contributed towards "Rheinisches Revier" by Region Aachen



Source: rheinisches-revier.de

„RHEINISCHES REVIER“

KEYFACTS



○ Economic output indicators “Rheinisches Revier”

- Installed capacity lignite power plants in the region:
10,111 MW
- Direct and indirect jobs from brown coal mining in the region: **20,000**
- **800 million €** annual order volume in the region (awarded by RWE Power AG to 3,400 bigger companies and SME´s)
- **740 million €** gross wage and salary total



Source: www.rheinisches-revier.de/

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POWERHOUSE FOR ENERGY-INTENSIVE INDUSTRY IN THE RHEINLAND

Rheinisches Revier¹

lignite mine workings, power stations, processing:

- **10,000** direct jobs
- **740 million €** gross wage and salary total
- **735 million €** annual order volume in the region



Settlement due to:

- low energy price
- security of supply



Rheinland²

energy-intensive industry:

- **93,000** direct jobs
- **32 billion** annual turnover
- **15,000 GWh** annual electricity consumption

„RHEINISCHES REVIER“

KEYFACTS



○ GOALS OF “ENERGY REVIER” OF THE FUTURE

- opening up sustainable long-term prospects and new business fields
- the energy-intensive industry of the region remains competitive
- development into the model region for energy system applications of the future



Sources: www.rheinisches-revier.de/



„RHEINISCHES REVIER“ „ENERGY REVIER“ OF THE FUTURE I

○ Energy and Industry

- Energy systems of the future and regional energy management
- Energy-intensive industry
- Emission-free mobility



○ Innovation and Education

- research
- digitalisation
- education
- Founding
- Innovation Valley Rheinland



Source(s): www.rheinisches-revier.de/

„RHEINISCHES REVIER“ „ENERGY REVIER“ OF THE FUTURE II

○ Space and Infrastructure

- Infrastructure, innovative land development
- Landscape reconstruction
- Infrastructure development



○ Resources and Agribusiness

- Resource Efficiency, Circular Economy
- Sustainable carbon value creation
- Agribusiness, Regional Health Management



Source(s): www.rheinisches-revier.de/

„RHEINISCHES REVIER“ INNOVATION VALLEY RHEINLAND

- **Excellence Start-up Center Plus**
 - sustainable stabilisation and supplementation of the structures of competition network "Excellence Start up Center".
- **Blockchain Institute**
 - Application of user-oriented approaches to the use of Blockchain
- **New Business Factory**
 - Multidisciplinary approach for the digitalisation of SME´'s
- **Real lab 5G**
 - comprehensive expansion of glass fibre and 5G connections



Sources: www.rheinisches-revier.de

„RHEINISCHES REVIER“

INTERNATIONAL CONSTRUCTION AND TECHNOLOGY EXHIBITION

○ Traffic infrastructure

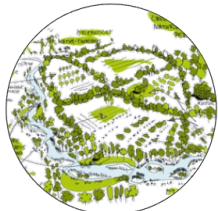
- optimization of regional mobility accessibility by Car, Rail and bike and establishing north east connection Northsea - Genua
- Places of the future in the “Rheinisches Revier”
- promotion of regional potential via sustainable rural/urban development

○ TH Köln Campus Rhein-Erft

- Establishment of the campus with the focus on spatial development, infrastructure and geoinformatics for 2.000 students and 48 lecturers

○ Regional open space system

- a regional spatial model to link the multitude of spatial concepts and singular projects with each other



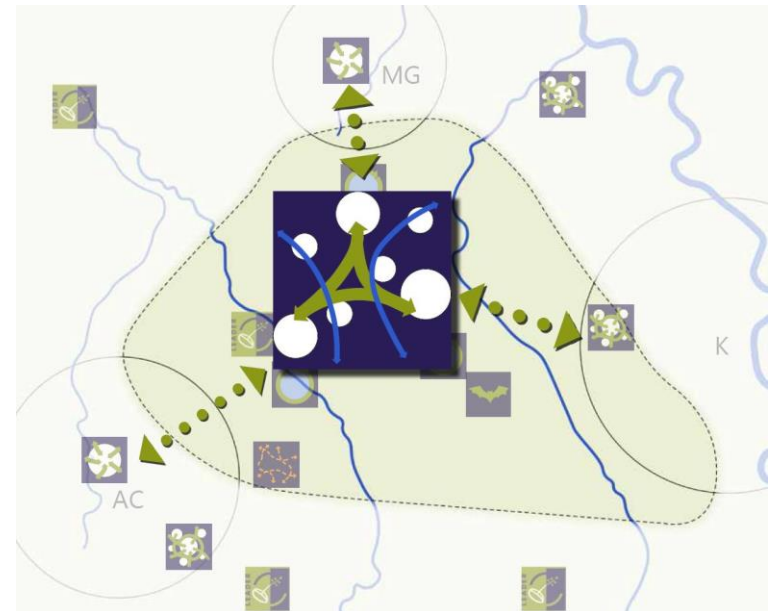
Sources: www.rheinisches-revier.de

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DEVELOPMENT OF „PLACES OF THE FUTURE“

○ Bundling of diverse regional projects for example:

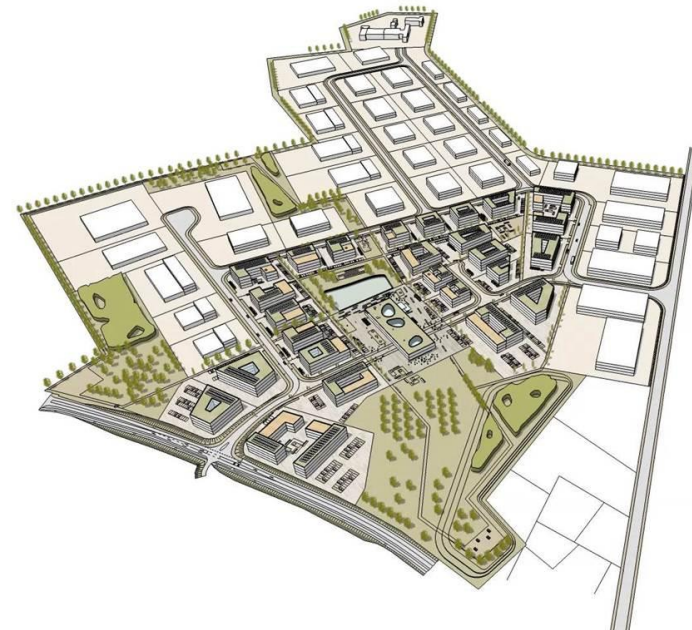
- “10 Places of the Future”
- “Green City”
- “Smart City”
- Future Quarters: Factor-X houses
- Developing modern mobility
- Conversion of 4 power plant sites
- Public Space Concept



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PLACE OF THE FUTURE: BRAINERGY-PARK JÜLICH

- Inter-municipal approach to develop an industrial area of approx. 52 ha
- Topics „new energies“ and „energy transformation
- 7,500 m² central building to supply the area with:
 - Heat
 - Energy
 - Refrigeration
 - Internet
- according to the latest scientific standards



Source: www.seg-juelich.de

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PLACE OF THE FUTURE: RESEARCH AERODROME

○ At the Aachen-Merzbrück airfield

- partnership between RWTH Aachen University, Aachen University of Applied Sciences and the airport itself
- to push ahead with the expansion to a research aerodrome
- exploring the possibilities of low-noise flying and electric-powered flying.

○ The Next Big Thing in Aeronautics:

- Development of “Silent Air Taxis”



Foto: Center Air s.Pace, RWTH Aachen

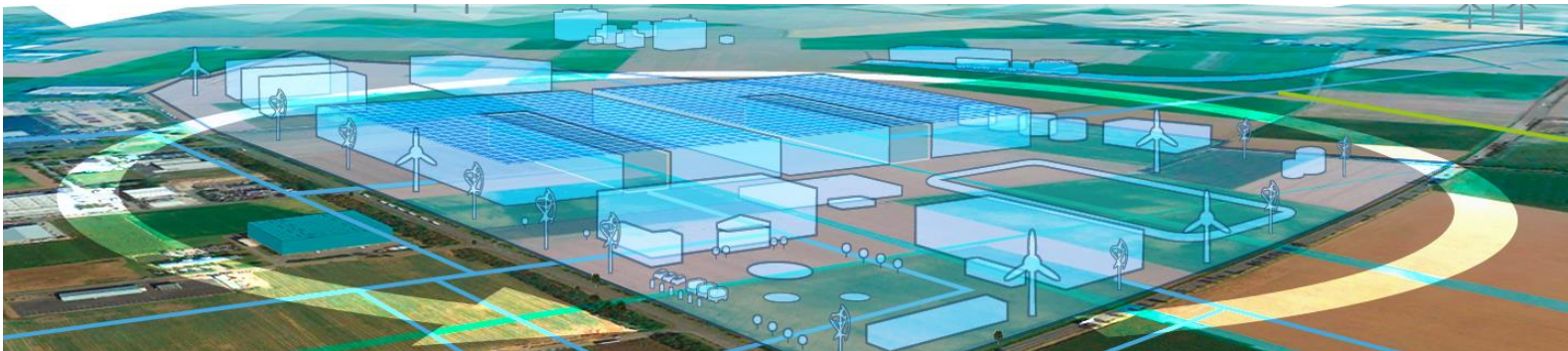


Aeronautic Center at RWTH Aachen Campus

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PLACE OF THE FUTURE: GREEN BATTERY PARK EUSKIRCHEN

- Establishment of Battery Park on an area of approx. 205 ha
- "Giga factory" to build electric cars and batteries under one roof
- network of leading battery research institutions, qualified specialists and its proximity to the markets in Europe



Source: <https://www.nrwinvest.com/>

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PLACE OF THE FUTURE: CAMPUS ALDENHOVEN

- Automotive location for cutting-edge technology
- powerful test system for the next generation of vehicle technology
- flexible, readily available plots of land
- Customer potential of 1.24 million inhabitants and 55,000 commercial enterprises



Source: www.campus-aldenhoven.de

„RHEINISCHES REVIER“ RESOURCES AND AGRIBUSINESS

○ Future Initiative Carbon NRW:

- Carbon-based products are to be developed using new methods and an adaptive technology for various carbonaceous raw materials.

○ Bioeconomy:

- using knowledge of biological processes to secure the supply of food for a growing population,
- guarantee energy supply without destroying the environment, and
- develop novel materials that are not based on petroleum.



Source: fz-juelich.de



THANK YOU FOR YOUR ATTENTION

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