

**MORGENSTADT NETWORK:  
WELCOME TO OUR SHARED FUTURE**





Since 2012 we are committed to shape together our shared future for the cities. The Fraunhofer Society, together with high profile partners from the industry and municipalities have been developing since then innovative relevant solutions towards sustainable and smart cities of the future.

The framework of the Morgenstadt Network enables research, industry and municipalities to work together and jointly transform city challenges into tangible, innovative and real-world projects for sustainable urban development. Moreover, in this collaborative network we are constantly working to identify forthcoming technological leaps and disruptive developments for the city of the future in order to design new associated product systems and business models.

We integrate Innovative and sustainable products and services from Morgenstadt partners into holistic urban development projects. Thereby, the involved municipalities have the opportunity to carry out pilot projects to test digital innovation and, in addition, discover solutions for urban challenges on the way to a sustainable city accompanied by Fraunhofer researchers.

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## Our History

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The expertise of the Morgenstadt Network has been acquired throughout three research phases: **Morgenstadt City Insights**, **Morgenstadt City Challenges and Morgenstadt Innovations Partnership**. The first phase developed a comprehensive understanding of sustainable urban systems and best practices. The aim was to gain an overview about the current transformation processes of selected cities and to identify the success factors for the transformation into a sustainable and future-oriented city.

**Result:** thanks to the understanding of sustainable urban systems, we developed the Morgenstadt's Framework.

The second research phase – **Morgenstadt City Challenges** – consisted on creating sustainable urban demonstrators and the application of the consequent model for sustainable urban development to a number of cities. The participating cities Prague, Lisbon, Chemnitz, Tbilisi and the "Urban Tech Republic" in Berlin Tegel have since then successfully launched Morgenstadt development strategies and transformed them into tangible innovative projects for a sustainable urban development.

**Result:** We developed the City Labs. The main goal was to integrate Smart City strategies in cities.

The third phase – **Morgenstadt Innovation Partnerships** – aims to open markets for already developed urban solutions for sustainable cities. The goal is to continuously improve and adapt developed solutions to the respective framework conditions of a city. Morgenstadt partners can use the large repertoire of possibilities and research results, focusing on innovations partnership strategies. We help cities and companies transfer urban challenges into innovation.

**Result:** over 50 joint Morgenstadt projects with a value of 150 Mio euros since 2014.

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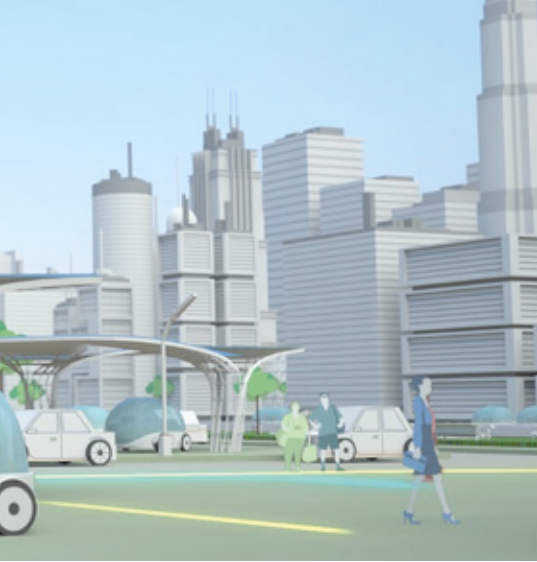
## PILARS OF INTERVENTION

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We truly believe that the strength of the Morgenstadt Network lies in the combination of high profile research institutes, the industry and municipalities sharing knowledge developing concrete solutions for the sustainable development of the cities and been inspired by the mutual learning since 2012. We base our actions on three main pillars: development of urban innovation investment, network activities and joint research programs.

### 1. Urban Innovations investment

Since 2012 a great variety of tools and instruments were developed allowing us to achieve a better understanding of the main challenges. Cities get a better understanding of their needs and companies are able to identify and engage in new markets.



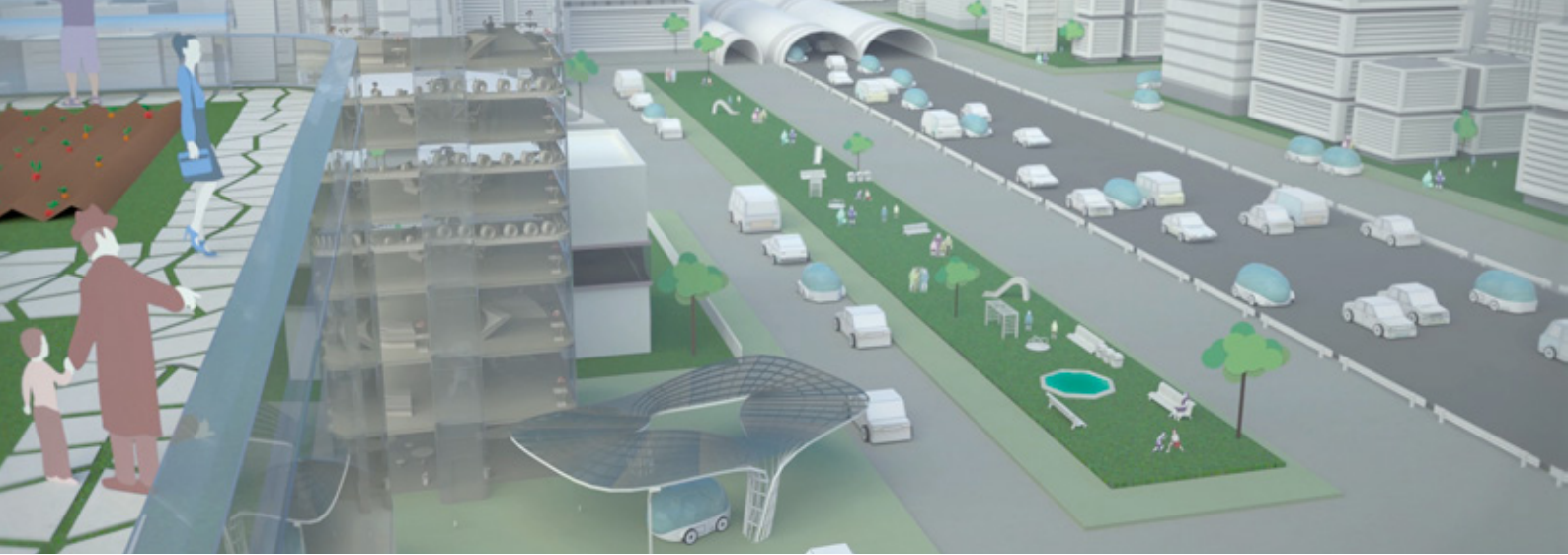
- **Morgenstadt City Index:** 28 City indicators are defined in four categories: quality of life, environmental consciousness, innovations and resilience. Through a concrete graphic decision makers can visualize the city's priorities of intervention, which helps them balance priorities across these areas.
- **Morgenstadt City Labs:** It is a one-of-its-kind approach to accelerate the sustainable and innovation-driven development of an entire city. The aim is to analyze the city's sustainability performance in order to identify key challenges and opportunities for future urban development. It is based on on-sites and workshops with strategic stakeholders. It creates a holistic urban development roadmap that outlines a range of local strategic projects and new business models of shared value across multiple sectors meant to catalyze future-proof urban development.
- **Morgenstadt Online City Evaluation:** It is an easy inline assessment for cities to rate their own maturity across several areas of a sustainable and innovations-driven development. Cities gain, therefore, a quick understanding of areas of potential improvement.
- **Morgenstadt Readiness Index:** Analysis tool to assess the risk of investing in a specific city. It raises the readiness of any city to engage in Smart City Innovation-driven-projects and provides the likelihood of success.
- **Morgenstadt Roadmap:** Sensitivity analysis for a scenario-based planning of urban projects and investments.
- **Smart City Framework:** To assess and rate the state of urban districts enabling the replication and uptake of "smart urban solutions" in a specific urban environment.

## 2. Network Activities

Unique to the Morgenstadt Network is its heterogeneous base of partners. We are convinced that we will only succeed in developing better cities and a shared future, if all actors are at the same table: municipalities, industry, investors, research institutes, planners, designers, IT-companies, financial institutions and start-ups.

The Morgenstadt Network is harnessing the synergies of these multiple backgrounds to shape sustainable and innovation driven cities. Based on an open and collaborative approach towards urban innovations, we are constantly linking real city challenges to urban innovative solutions, business models and new markets.

- **Innovation Partnerships:** we identify local capacity for innovation and match it with solutions and approaches from research and industry partners to create strong partnerships on urban innovations. The Morgenstadt Innovations Partnerships help partner cities with creating individual innovation processes that link local businesses, citizens, administrations and Morgenstadt business and research. A second kind of innovations partnerships supports companies that aim to succeed in the smart city market. It generates visibility for the company and positions it right in the front of the market. The results consist in successful business strategies and projects with cities and municipalities worldwide. On a long-term perspective, Morgenstadt Innovations Partnership empower companies to transform own processes and structures as a base for a future-proof company development.
- **Raised Consortia:** Joint application for research funding at the national and international level is at the core to our network activities.
- **Annual Networking Meetings:** take place three times a year and are envisaged to take Morgenstadt partners to outstanding European and intercontinental locations of urban innovation. The Morgenstadt Network meetings are great occasions to meet the mayors and vice mayors of our host cities, to exchange with local experts and to raise awareness and communications on Morgenstadt activities in Europe.
- **Morgenstadt Start-up Challenge:** together with our partners, we identify Start-ups that work on innovations matching the portfolio of our partners and/or delivering solutions for pressing challenges of our city partners.



### 3. Joint research programs

Based on the cutting-edge research activities of the Fraunhofer-Institutes and the practical insights within the numerous joint innovation projects, Morgenstadt partners have specified 12 areas for future research. Agile and flexible Morgenstadt consortia build on these topics to derive future research projects and apply for joint funding:

- Green Infrastructure & nature based solutions
- Urban Ressource Produktion
- Mobility as a Service
- Connected Urban Spaces
- Hybrid Energy Systems
- Urban Data Platforms & the Data Economy
- Smart & integrated Water Systems
- Smart Energy Buildings
- Interconnected urban logistic systems
- Smart City Financing
- Governing the digital transformation of cities
- Digital Business & Service Innovation

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### MEMBERSHIP BENEFITS

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- Access to a high-profile network and exchange of knowledge on new technologies and applicable solutions in the field of sustainable urban development
- National and international visibility and placement of your brand under the well-known Morgenstadt label
- Implementation of pilot / demonstration projects - the opportunity for your city to explore innovative technologies and for your company to actively contribute with its products in the development of sustainable and smart cities
- Access to private and public funding

### Fraunhofer Institute for Industrial Engineering IAO

Nobelstrasse 12  
70569 Stuttgart, Germany

#### Contact

Alanus von Radecki  
Project director  
Phone +49 711 970-2169  
alanus.radecki@iao.fraunhofer.de

Eliana Uribe  
Project Manager  
Phone +49 711 970-2204  
eliana.uribe@iao.fraunhofer.de

[www.morgenstadt.de](http://www.morgenstadt.de)