

PROJECT DESCRIPTION

MORGENSTADT: CITY INSIGHTS FRAUNHOFER INNOVATION NETWORK

PROJECT PHASE 2016 – 2017



JOINT RESEARCH PROJECT MORGENSTADT: CITY INSIGHTS

PROJECT PHASE 2016 – 2017

Development and Implementation of
system innovations for the city of tomorrow

Fraunhofer Institute for Industrial Engineering IAO
Fraunhofer Institute for Building Physics IBP
Fraunhofer Institute for Open Communication Systems FOKUS
Fraunhofer Institute for Wind Energy and Energy System Technology IWES
Fraunhofer Institute for Factory Operation and Automation IFF
Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB
Fraunhofer Institute for Material Flow and Logistics IML
Fraunhofer Institute for Manufacturing Engineering and Automation IPA
Fraunhofer Institute for Systems and Innovation Research ISI

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1 SUMMARY

The Fraunhofer Innovation Network “Morgenstadt/City of the Future” is a platform of high-level first movers from cities and industry run by the German Fraunhofer-Society. It aims at developing and implementing socio-technical innovations for the city of the future. The fundamental goal of the network is to accelerate development that helps reduce energy and resource consumption while also enhancing the resilience and liveability of cities. We apply the full scale of cutting-edge innovation management to a high-level network of cities and companies that are already working in the field of urban sustainability in Europe and around the world. We aim to become the leading global network to deliver innovations to cities through two key approaches:

We apply the full scale of cutting-edge innovation management to a high-level network of cities and companies that are already working in the field of urban sustainability in Europe and around the world. We aim to become the leading global network to deliver innovations to cities through two key approaches:

Evolutionary innovation: We demonstrate and quantify new markets and development potentials in urban systems for existing products, technologies and solutions (evolutionary innovation), and we link technologies and processed into new systems of urban solutions.

Revolutionary innovation: We identify coming technology-effects and disruptive developments for the city of tomorrow and conceive new products, systems and business models.

The Morgenstadt Mission

Design and implement systems solutions for sustainable cities

The Morgenstadt Network aims to accelerate the global transition to sustainable urban systems. Members of the Network share three important convictions:

- Sustainable cities are the key to a sustainable future
- Technical, organizational, and financial innovations are key to creating sustainable cities
- Interdisciplinary collaboration lies at the heart of urban innovation

Based on those underlying principles the innovation network sends impulses for the innovative development of urban systems that work towards a sustainable liveable future city. The primary mission of the Network is to identify, conceive, initiate and implement pilot and demonstration projects for sustainable urban solutions in cities in Germany and around the world. Projects will be developed in variable consortia made up of industry, city, and research partners. We believe that each city is unique. We therefore build upon scalable methods and tools and on interdisciplinary collaboration to develop and implement innovative and scalable solutions for an individual context.

2 “M:CI” – INNOVATING FOR CITIES SINCE 2012

The innovation network “Morgenstadt: City Insights” took up its work in June 2012. It is following a joint approach across three large phases that aim to develop market-based approaches and new forms of public-private collaborations for delivering smart and sustainable urban systems in collaboration between cities, industry and research.

Phase 1 – Understanding urban systems

Over 50 researchers from 12 Fraunhofer- Institutes conducted a rigorous on-site analysis of six leading global cities: Freiburg, Copenhagen, New York, Berlin, Singapore and Tokyo. Over 100 best practices in eight urban sectors were analysed with a trans-disciplinary approach. The research identified requirements for the urban markets of the future and enabled new collaborations between private sector industry partners, research institutes, community groups, and city administrations.

The Morgenstadt Framework, which is used today to deliver integrated action roadmaps to cities, was developed based on the analysis of globally leading cities

Phase 2 – creating sustainable urban demonstrators

Since 2014 members of the innovation network are ramping up pilots and demonstrators for first-of-its kind sustainable city development projects. Overall, 35 projects and project ideas have been developed out of the network, which today are at various stages of implementation. Together, Morgenstadt partners leveraged public funding worth > 80 Mio. Euro in 2014 and 2015. Of this, the vast majority were acquired through EU projects (Horizon 2020) in the field of Smart Cities.

Smart Urban Services – a sensor-based approach to the digital city

Throughout the project “Smart Urban Services” a network of sensors is installed in the two Morgenstadt Partner cities Reutlingen and Chemnitz. The network combines Bluetooth, RFID, motion sensing, environmental sensing etc. in an urban environment. The multiple datasets produced through the sensing approach will allow for monitoring a range of urban processes (mobility, light, environment etc.) in real time and – more important – will be used for the development of new data-driven urban services that produce added value for citizens, companies and the entire city. An integrated IT-platform is the core tool of the project and will bundle the flow of data and provide for deep and near to real time analytics. The expected outcome of “SUS” will be a set of new data-based smart city services and products.

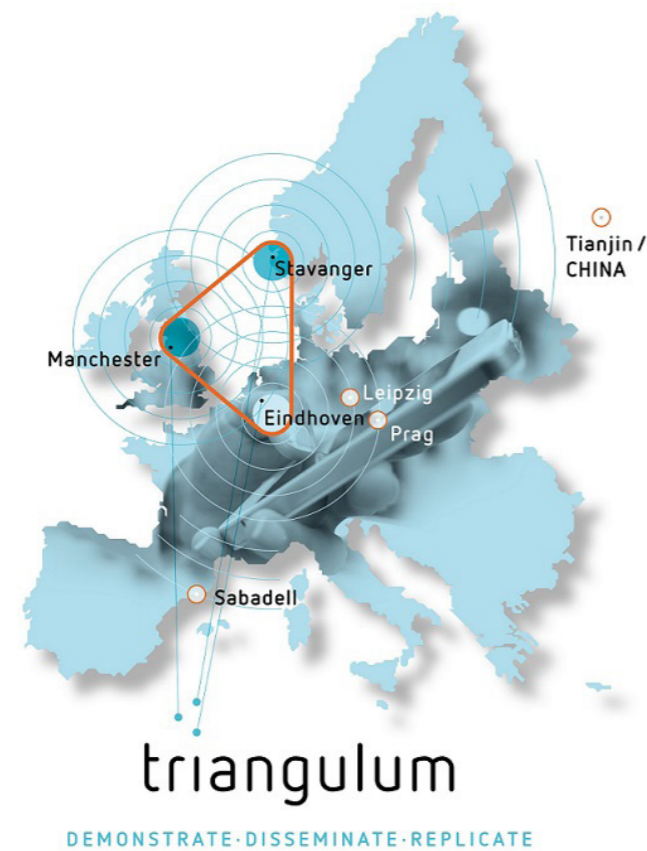
1 m:ci phases 2011–2020



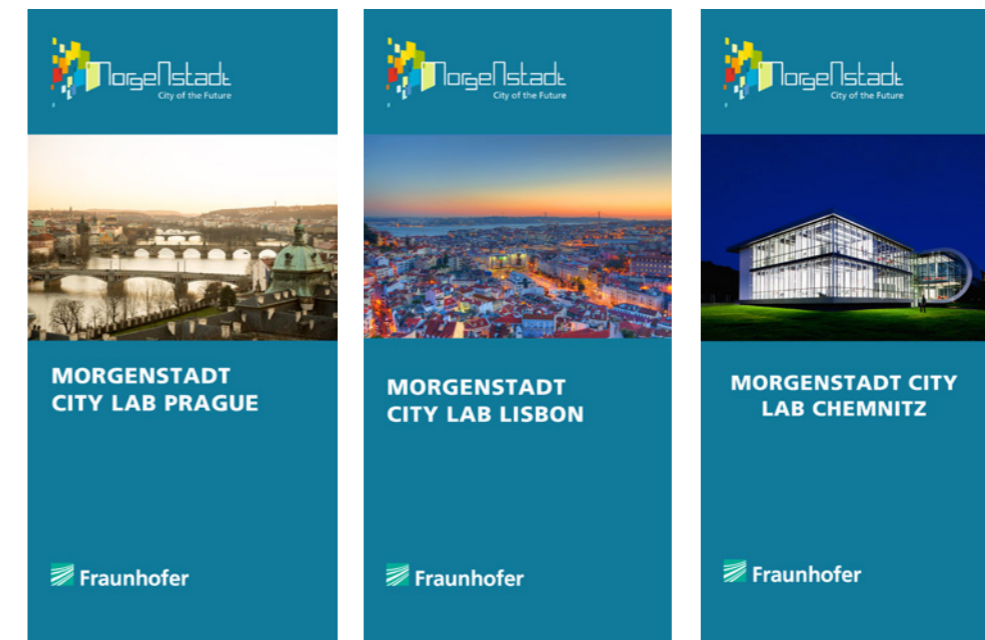
Triangulum – SCC1 lighthouse projects under Morgenstadt coordination

The three point project Triangulum is one of the three European Smart Cities and Communities Lighthouse Projects, set to demonstrate, disseminate and replicate solutions and frameworks for Europe's future smart cities. The Triangulum flagship cities Eindhoven, Manchester and Stavanger will serve as a testbed for innovative projects, focusing on sustainable mobility, energy, ICT and business opportunities. The project consortium combines interdisciplinary experience and expertise of 22 partners from industry, research and municipalities who share the same objective and commitment to develop and implement smart solutions in order to replicate them in the three follower cities, Leipzig, Prague, and Sabadell. The overall budget of Triangulum is 30 million Euros (2015–2020). The European Commission funding (Horizon 2020) accounts to 25 million Euros. The project is coordinated by Fraunhofer IAO in Stuttgart.

2 SCC1 Project Triangulum



In addition to these publicly funded Morgenstadt projects, the Morgenstadt City Labs are at the core of partner cooperation. Through the Morgenstadt City Challenge, four City Labs have been identified: Prague, Lisbon, Chemnitz and Berlin TXL. A fifth city lab in Tbilisi was supported through the German development bank KfW. For each winner of the city challenge, an interdisciplinary team of Morgenstadt researchers prepares an in-depth assessment and develops an action roadmap towards sustainability. The hereby defined projects are brought towards realization in mixed consortia of local stakeholders and Morgenstadt partners.



3 Morgenstadt City Labs 2015

Partners of the innovation network

Unique to the City Insights Network is its heterogeneous base of partners. The network has impressively demonstrated the potential of combining multiple backgrounds and approaches to shaping sustainable cities. The Morgenstadt Network is constantly developing and open to complementary addition of national and international industrial and municipal actors as well as planning offices, research institutes and value partners.

4 m:ci project partners



3 “M:CI” WORK PROGRAMME 2016–2017

The research scope of the project phase 2016–2017 of “Morgenstadt: City Insights” will seamlessly connect to the previous project phases: together with the relevant stakeholders new technology concepts and creative solution strategies will be identified, adapted to real-life project requirements and tested in several pilot projects for practicability and feasibility. Morgenstadt partners are able to exploit a broad range of research results that have been developed since 2012 and capitalize on innovative ideas for sustainable cities.

In order to achieve these ambitious goals the connection between applied research and strategic business development is key. For research and project realization the Morgenstadt network is focussing on four strategic poles for the city of the future:

1. Living Labs for urban systems solutions
2. Business models for Smart Cities and Districts
3. Innovation Partnerships and Strategies
4. Flexible Cities – Cradle2Cradle & adaptive city concepts

These growth-poles for the “Morgenstadt” have been designed to mutually reinforce each other and to maximize synergies and potential for capitalization of our different activities in the work programme 2016–2017. They are linked through four horizontal layers of cross-network activities: a second application of the “Morgenstadt City Challenge”, project brokerage and application for public funding, “M:CI” network meetings and best practice visits and a new marketing and communication strategy for “M:CI”.

| | Living Labs for urban systems solutions | Innovation partnerships and strategies | Business models for smart cities and districts | The flexible city |
|--------------------|---|---|---|--|
| R&D Activities | <ol style="list-style-type: none"> 1. District challenge 2. District blueprint 3. Implementation test field | <ol style="list-style-type: none"> 1. Morgenstadt innovation toolkit 2. City innovation workshops 3. Decision making model | <ol style="list-style-type: none"> 1. Holistic Value Model 2. Morgenstadt marketplace 3. Analysis report | <ol style="list-style-type: none"> 1. Demand and Potential analysis 2. Concepts for adaptive urban housing systems 3. Assessment tool |
| Network Activities | <p>“M:CI” City challenge 2.0</p> <p>“M:CI” Project brokerage & Grant management</p> <p>“M:CI” Network meetings & Best practice visits</p> <p>PR & Marketing (Events, publications etc.)</p> | | | |

5 Work Programme 2016–2017

R&D Activities 2016–2017

| | Living Labs for urban systems solutions | Innovation partnerships and strategies | Business models for smart cities and districts | The flexible city |
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6 Research & Development 2016–2017

Living Labs for urban systems solutions

The premise of the Living Lab is that the city can be used as a real-world testing ground for new ideas and technologies. A vast array of sensors and smart technologies in the urban realm can facilitate the testing of products and services on a real world platform. Smart districts that serve as living labs for socio-technical interactions bare the potential to show us the way to the city of the future. City districts provide the right scale for technologies and other system interventions that are neither too small to suffer from cost-effectiveness issues nor too large to suffer from planning and invasiveness issues. They provide well-bounded spaces to undertake radical change and evaluate the impacts of that change.

The Innovation Network "Morgenstadt: City Insights" will make use of the Living Labs concept for developing and implementing integrated mixed-use districts in partner cities and beyond together with partners from the real-estate sector and with private investment. The "Morgenstadt District" will build on the collective expertise of Fraunhofer and Morgenstadt Partners and provide optimum integration of sustainable energy, mobility, water infrastructure and smart living within a user-centred service approach. It will build on preliminary work within the Morgenstadt network.

Activities

- Organization of a district challenge – real estate developers are invited to apply for Morgenstadt support to their development projects.
- Development, test and refinement of a district blueprint, based on a district calculation tool. The blueprint will address sustainable housing, electricity, heating, water, waste and mobility. Optional elements are district logistics, fibre-optics, smart lighting etc.
- Development of an implementation test-field together with Morgenstadt partners and additional partners from the finance and real-estate sector.

Business models for Smart Cities and Districts

The Innovation Network "Morgenstadt: City Insights" aims at accelerating the global transition to smart and sustainable urban systems by offering systems solutions in a joint and integrated way. The first step towards this goal was the "Morgenstadt Solutions Portfolio", which was released in 2014. A logical next step is to create a joint marketplace that links cities' demands and the solutions offered by industry and business in an integrative way. The "Morgenstadt Marketplace" helps cities to identify tailored solutions to their development challenges, and it helps companies to offer the right products as parts of larger systems solutions.

The Morgenstadt Marketplace builds on a holistic value model that is being developed together with a set of Morgenstadt Partners since March 2015. This Model links a large set of defined "Morgenstadt Modules" to the existing demand of individual cities based on a parametric unit that combines individual preconditions of cities and districts and local regulations and incentives into an urban business intelligence approach.

Based on this unit, municipalities, municipal companies, district developers and housing companies will be able to identify urban systems solutions tailored to their specific needs. At the same time companies are able to integrate their products into an online-based configuration of urban systems solutions, showing them where to complete the own portfolio and where to partner with other providers.

Activities

- Definition of a standard Morgenstadt Module template based on technologies, stakeholders and cost-benefit model
- Identification of Morgenstadt Modules based on current "M:CI" projects and partner input.
- Development of a business intelligence approach to urban systems solutions based on distributed benefits and local parameters
- Development and programming of database concept and frontend.
- Test-application with Morgenstadt partners & roll out

Based on our collaboration with Morgenstadt Partners in designing and refining the Morgenstadt Modules, we will set-up an analysis report on "The role of business and industry in delivering smart cities" as a prelude to an individual action-roadmap for each business partner.



Innovation partnerships and strategies

Since 2012 we have come to learn that we cannot respond to the complex urban challenges of today with the processes and tools of today (or yesterday). Tasks like increasing the resilience of a city, reducing emissions or delivering digital and connected services are examples for urban development processes that link multiple actors from different sectors and institutions into highly diverse – and often dysfunctional – constellations. Politicians, city administrations, large industry players, local businesses, citizen associations and research – these groups only work together if all partners find their own benefit within the collaboration. The Morgenstadt Innovation Network therefore supports its partner cities with inducing individual innovation processes that link local businesses, citizens, the administration and Morgenstadt business and research.

In essence, we identify local innovation capacity and match it with innovative solutions and approaches from research and industry partners to create strong partnerships on urban innovation.

Especially in the "Morgenstadt City Labs" 2015 (Prague, Lisbon, Chemnitz, Tbilisi, Berlin TXL) a set of approaches and tools were developed and successfully tested, which can now be transferred to Morgenstadt City Partners as applicable instruments for local innovation partnerships and successful development and delivery of complex urban development projects.

To this end the Morgenstadt innovation network will accomplish a range of activities throughout the work programme 2016 – 2017 that aim to improve the innovation capacity of city and industry partners with respect to delivering clean & innovative solutions for urban systems:

Activities

- 2 innovation workshops per city partner to identify the local innovation potential, to link the local community into the Morgenstadt process and to develop locally based Morgenstadt projects together with industry partners and Fraunhofer research.
- Provision of a "Morgenstadt innovation toolkit" to partner cities for mapping the local community and stakeholder base into innovation-oriented processes and for designing transition roadmaps for "M:CI" partner cities.
- Provision of a parametric decision making and planning tool (based on the Morgenstadt Marketplace) for identification and dimensioning of potential systems solutions for "M:CI" partner cities and communities.
- Joint project development & application for funding

Flexible Cities – Adaptive housing and infrastructure systems

Cities in the 21st century are facing a new kind of development dynamics which will put current concepts for housing and infrastructure under large pressure. With more and more people clustering in urban centers and their functional regions, new strategies for adaptive and flexible housing systems are needed addressing ecological, economic and social requirements at the same time. For that, integrated planning methods, innovative building concepts, rapid construction and performative housing regulations must be aligned and activated for a positive urban future. One opportunity will lie in new typologies of temporary and frugal housing structures making it possible for buildings to be easily upgraded within the lifecycle. For cities, it will be a crucial success factor in near future to provide enough demand-oriented housing space for a highly dynamic urban society, together with a new kind of urban infrastructures able to adapt. For industry and real estate, new alliances and co-innovation approaches will provide future-oriented solutions for a new market besides traditional housing industry and conventional infrastructures.

Innovation Activities

- Demand and Potential analysis of short-term, medium-term and long-term requirements for housing in selected cities (Roadmap for project partners)
- Development of a future scenario and concepts for adaptive urban housing systems with integrated urban infrastructures (frugal engineering, housing downsizing strategies, parametric software for housing & infrastructure models, decentralized urban systems (energy, logistics, mobility, commerce, social etc.) lifecycle-oriented financing strategies and collaborative ownership models)
- Urban innovation competition with partner universities to provide concrete case-studies for further technical, social, ecological and economic evaluation
- Development and Provision of an assessment tool which helps cities to identify local opportunities and suitable strategies for individual and non-conventional housing and infrastructure planning
- Preparation of an Co-Innovation process with investors, construction companies, planning authorities and NGO to establish prototypes and demonstration projects

Network activities in work programme 2016–2017

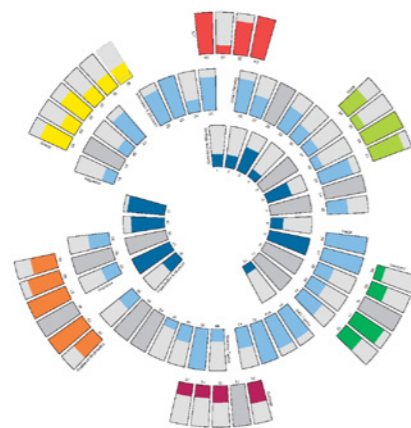
Network activities in 2016 and 2017 will focus on four modules that together will allow us to increase the visibility of "Morgenstadt" worldwide and to facilitate network learning and joint innovation processes.

7 Network activities 2016–2017



Morgenstadt City Challenge 2.0

The Morgenstadt City Challenge 2014–2015 produced in-depth research and innovation activities on city level and linked the Morgenstadt intensively to five large cities: Prague, Chemnitz, Lisbon, Tbilisi and Berlin (TXL), with four of them being capitals of their countries.



The format of "Morgenstadt City Labs" has proven to be a very beneficial tool for activating and identifying development demand in cities and facilitating longer-term cooperation. Through this technologies and urban systems solutions and their potential for implementation can be better synchronized with urban demands.

Throughout 2016–2017 the second Morgenstadt City Challenge will be launched, reaching out to 3+ additional lighthouse cities and applying a modified version of the "Morgenstadt Framework". The City Challenge will link all Morgenstadt Partners (cities, industry and research) into a systems-based analysis of selected lighthouse cities and into the development of individual projects and roadmaps to boost their sustainable development.

Morgenstadt Project Brokerage & Grant management

Between 2014 and 2015 Morgenstadt consortia raised over 80 Mio EUR of public funding for city-based innovation projects. Most of this funding was achieved through a successful application to EU Horizon 2020 projects – like the SCC1 lighthouse projects on smart cities and communities.

The joint acquisition of public research funds by Morgenstadt consortiums for potential-rich projects also continues to be an important focus in 2016 and 2017. It is known today that on 23 February 2016 the launch conference for the German "Innovation platform Zukunftsstadt (IPZ)" will take place. Here the German government will present the integrated program for funding and supporting smart and sustainable city development projects and initiatives. German Ministries point positively towards the Morgenstadt Initiative, which is seen as a "blueprint for communal innovation strategies." Together with our partners we plan to access national and EU-funding for urban innovation projects in 2016 and 2017.

Morgenstadt Network Meetings & Best Practice visits

One of the key institutions of the City Insights Network will be regular in person meetings facilitated for the purpose of initiating projects and exchanging ideas and best practices. Progress in individual fields of investigation will be presented in the plenum and will be discussed and evaluated by the project members. The project meetings will be complemented by expert lectures and best-practice tours of ground-breaking projects. Morgenstadt Network Meetings will take place 3 times a year and are envisaged to take Morgenstadt Partners to outstanding European locations of urban innovation (e.g. Barcelona, Amsterdam, Lisbon, Prague, Munich, Lyon, Manchester, Dublin, Eindhoven etc.). More than in the last years, the Morgenstadt Network meetings will combine meeting local experts and raising awareness and communication on Morgenstadt activities in Europe.

8 Morgenstadt Framework for the City Labs

Morgenstadt PR, Marketing and Communication

Since 2012 the awareness and visibility of the Morgenstadt Network has been significantly increased. Various measures have been carried out in response to the German science year "City of the Future", but also the international visibility has been raised through presentations, study visits and reports in South America, Asia, or India.

The Marketing and Communication strategy for 2016/2017 aims to establish the Morgenstadt Innovation network as the strongest European institution, when it comes to urban innovations, sustainable urban development and smart cities. Therefore the project management will organize for a range of marketing and communication activities that position Morgenstadt Partners in the core of international dialogues on smart cities:

- Publication of City Reports from Phase 1
- Publication of City Lab Summaries
- Global Morgenstadt City Challenge
- Global Morgenstadt Index Report
- Joint organization of trade fairs and international events
- Representation of Morgenstadt at international fairs and events

Expected project results

The joint innovation network "Morgenstadt/City of the Future" pursues the following goals:

- Thinking ahead and validation of long-term development trajectories of cities with respect to a strategic creation of a new market of sustainable urban solutions.
- Coordinated initiation of several large and medium sized joint projects for research and implementation in cities.
- Implementation of 20–30 ad-hoc projects out of task-force groups on sector level in smaller consortia. Expected overall volume: 30 Mio. €
- Deepening cooperation with national and international sponsors (German "Nationale Plattform Zukunftsstadt", KfW, EU Commission, EIP on smarter cities and communities, World Bank, ADB etc.)
- Internationalization of the network and creation of references in Europe, North- and South America and Asia.

Benefits for Project partners

Together with our project partners we aim at developing and implementing innovations for the city of tomorrow. The exploitation of ideas and concepts for real-world projects is the long-term goal of this joint project. It is the declared aim of the Fraunhofer Institutes in "Morgenstadt: City Insights" to create added value through innovation for all cities and industry partners in the network.



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Benefits for city partners

- Access to a leading-edge network of research institutes, industries and first mover cities in terms of sustainability.
- Use network for finding solutions to own demands and problems and gain impulses for development and implementation of innovative solutions.
- Access to "M:CI" Toolkit. Application of tools allows cities to develop own strategies and projects towards new approaches for innovative urban development.
- Gaining access to project funding from the public and private sector.
- Identification of strategic partners and formation of collaborations for the implementation of specific projects.
- Exchange and discussion of experiences and promising practices.
- National and international visibility as first mover with respect to sustainable development.

Benefits for industry partners

- Implementation of Pilot-/ demo-projects as showcases on national and international level
- Strategic business development and positioning within the future market Sustainable Cities/Smart Cities.
- Learn how products relate to integrated urban systems cities and how to maximize market position.
- Strategic enhancement of own portfolio with respect to urban systems
- Accessing German and international city markets with a comprehensive and systemic approach.
- Influencing scope and content of smart/sustainable city projects in early project development stages
- Joint and pre-competitive approach for shaping future markets and initiating smart city projects with the right innovation ecosystem.
- Identification of synergies with business and research and exploitation of potentials for cooperation
- Minimization of efforts and expenditures for acquisition of city development projects through cooperation with Fraunhofer
- Access to regional and international funding
- Promoting global brand

PROJECT MANAGEMENT

The overall coordination of the Morgenstadt network lies with the Fraunhofer Institute for Industrial Engineering IAO.

Project management tasks include:

- Coordinating the flow of information between all parties involved
- Administration of the City Insights Online Platform
- Organization of events and workshops
- Public relations and communication
- Coordination of contractors and third parties within the project framework

Communication between project members and project management will take place primarily in the form of regular e-mails, newsletters and compressed reports, and briefings on ongoing projects and developments.

Newsletters, E-mails, Online Platform

Partners in the City Insights Network receive periodic newsletters with information about current research projects, conferences and events, and with information on important developments and initiatives in key sectors of interest. Information on organizational issues (workshops, events, decisions) will be disseminated through e-mails. The results of systems analysis will be communicated in compressed reports and briefing documents.

In addition to the personal meetings and publications an online platform (Ning-Community: <http://city-insights.ning.com/>) secures the information flow and enables interaction between all project partners. Through the online-platform members have the opportunity to constantly exchange ideas and information and to extend their contact network. Fraunhofer provides up-to-date information and documents exclusively for the project members at the online platform. In addition, newsletters and briefing documents are provided for download. This platform will be replaced through a high-performing online collaboration tool in 2016.

Steering Committee

The "M:CI" Steering Committee represents an equal share of Fraunhofer representatives (4) and project partners (4: 1 city partner, 1 industry partner, 1 planner, 1 consultant). The goal of the steering committee is to achieve the best representation and integration of the interests of research, cities and industry throughout the course of the project. Representatives from industry and city partners on the "M:CI" steering committee will be elected on an annual basis by all project members. The steering committee will determine the allocation of resources for the project development team. It will also stipulate which cities the project development teams will visit, along with the number of project experts.

Associated Fraunhofer Institutes

The Competence Team „Urban Systems Engineering“ of the Fraunhofer Institute for Industrial Engineering IAO has taken on the task of the overall project coordination as well as main parts of the research performances.

Following further Fraunhofer Institutes will participate in the research for phase II. This composition guarantees the systemic research approach, because all relevant sectors of research and project development are perfectly covered.

- Fraunhofer Institute for Industrial Engineering IAO, Stuttgart (www.iao.fraunhofer.de)
- Fraunhofer Institute for Building Physics IBP, Stuttgart (www.ibp.fraunhofer.de/)
- Fraunhofer Institute for Factory Operation and Automation IFF, Magdeburg (www.iff.fraunhofer.de/)
- Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, Stuttgart (www.igb.fraunhofer.de/)
- Fraunhofer Institute for Material Flow and Logistics IML, Dortmund (www.iml.fraunhofer.de/)
- Fraunhofer Institute for Open Communication Systems FOKUS Berlin (www.fokus.fraunhofer.de)
- Fraunhofer Institute for Manufacturing Engineering and Automation IPA, Stuttgart (www.ipa.fraunhofer.de/)
- Fraunhofer Institute for Systems and Innovation Research ISI, Karlsruhe (www.isi.fraunhofer.de/)
- Fraunhofer Institute for Wind Energy and Energy System Technology IWES, Kassel (www.iwes.fraunhofer.de/)

Further Partners

In addition there are strategic partners of the Fraunhofer-Society bringing their experience and global network into the project. It covers among others:

- ICLEI – Local Governments for Sustainability
- Future Cities Institute - University of Strathclyde
- ETG – Economic Transformations Group
- LSE – London School of Economics Cities Programme
- WBCSD – World Business Council for Sustainable Development
- DGNB – Deutsche Gesellschaft für nachhaltiges Bauen (German Council for Sustainable Building)



9 Strategic Supporters

More detailed talks are currently held that optimally meet further strategic partnerships.

PROJECT DURATION, FUNDING, LANGUAGE AND CONTACT

Project duration

The innovation network "Morgenstadt: City Insights" is designed as a long-term alliance, there is no defined end-date to the network.

Project management/control meetings (PSM) will take place regularly every 4 months to discuss interim results and to define further orientation.

Project financing

"M:CI" is collectively financed by all network partners. The participation fee for member categories is as follows:

| | | |
|-----------------------------|----------------------|--------------|
| Enterprises | Full membership | 50 000 € p/a |
| | Network only | 25 000 € p/a |
| SMEs (EU definition) | Full membership | 25 000 € p/a |
| | Network only | 12 500€ p/a |
| Cities | Full membership | 22 500 € p/a |
| | Network only | 7 500 € p/a |
| | Morgenstadt City Lab | Upon request |

Project partners that sign a contract over three or more years can be granted a discount to the total membership fee.

The budget covers the engagement of Fraunhofer-Society researchers and as needed additional expertise, travel expenses for on-site research, workshop expenses and expenditures on literature and materials that will be used and generated within the project.

Project language

The official "M:CI" language is English. Some specific activities, however, must be conducted in German.

- Research activities and project development in German cities will be conducted in German.
- International research activities and project development will be conducted in English.
- Important documents for all project members will be provided in English. German summaries will be provided upon request.

The language used in network meetings and project management meetings will generally be English.

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