

the urban (r)evolution Eco City – International Campus Wünsdorf

Greetings

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A local renaissance

The Urban Design

Eco City -International Campus Wünsdorf

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The Campus Living community

The Eco Station The heart of **Eco City**

The Aesthetics

No sustainability without beauty

an answer to the challenges of the 21st century

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The Location From war to peace

The Region

Opportunities for the region





"I sincerely hope this project succeeds as it will be a major milestone to pave a brighter future."



Dear Reader,

We are currently experiencing a multiplication of crises on our planet. Although the Cold War - supposedly the biggest threat of the second half of the 20th century - is overcome, we face new, even bigger challenges with global climate change and the related refugee migrations.

Violent conflicts over influence and resources are also at stake in the 21st century, and economic, political, ecological upheavals of globalization are increasingly leading to disorientation and fear of the future among the people.

Considering all that, there is an urgent need for persuasive, feasible and pragmatic solutions to help shape a liveable and sustainable future. We need insight and a vision of finding appropriate solutions with everyone's contribution. The International Campus Wünsdorf, and its concept of an Eco City is in my opinion the embodiment of it.

There are three aspects that particularly appealed to me when the project was presented: The Eco City is firstly a forward-looking educational project of which practical results will be shared with the world, especially in the crisis regions. Secondly, there is a holistic approach to it which integrates the ecological, economic, social and cultural. Last, it is the idea that this impulse for peace and future is coming from the East of Germany, from the city of Wünsdorf, which was for over 100 years the scene of war organization and mass destruction.

I sincerely hope this project succeeds as it will be a major milestone to pave a brighter future.

Dr. h.c. Wolfgang Thierseformer President of the German Bundestag



Dear Reader,

What seemed to be in 1979 at the First International Conference on Urban Ecology a revolutionary proposition is finally acknowledged today: there is no solution to the climate and environmental issues without a fundamental reformation of urban and settlement development; just like we may not reach a sustainable future without social and economic reforms.

There have been massive research reports, national and international manifests, target agreements, and government and funding programs on this topic. But on the level of pragmatic and practical measures and social practice, the radical rethinking is barely noticeable. On the contrary:

Greenhouse gas emissions continue to increase, climate change is accelerating, and migration fluxes continue to grow all over the world. The critical developments reinforce each other and threaten increasingly our future - even in the prosperous regions.

With this brochure, we wish to provide you with a concrete solution to the big challenges of the 21st Century: The Eco City - International Campus Wünsdorf is a visionary project that may be implemented today. It is a step towards the achievement of Sustainable Development Goals (SDG) which the United Nations adopted in 2015. We are full of hope because we have already won the support of many people and sympathizers for the project. In order to save our planet, we must resort to global solutions. Not in theory, but in practice. Not tomorrow, but today.

Prof. Dr. Ekhart Hahn

Author and Project Manager of Eco City - International Campus Wünsdorf

"To save our planet, we must resort to global solutions. Not in theory, but in practice. Not tomorrow, but today."

The future Willbe decidedin the cities.

Our resource-consuming lifestyle pushes the world over the edge. However, where problems are concentrated also lies the key to their solution i.e. in cities and settlement structures. Organized as self-sufficient settlement areas, they are no longer dependent on external supply of energy and products and the disposal of waste. Such a city of the future is no longer a utopia. It is feasible: the new post-fossil life and city models and the transformation of cities into networked circulatory systems shall be tested and taught in the model and research city of Wünsdorf. Here, people from all over the world will be able to learn and work together to ultimately promote the construction of self-reliant eco cities in their home country and crisis regions.

local renaissance

Cellular, self-reliant, liveable: The city of the future needs a renaissance of local solutions on a new, post-industrial level.

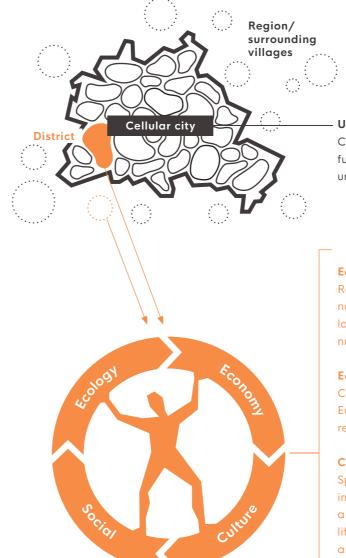
Throughout the world, cities and settlement areas are being destroyed or threatened by war and man-made natural disasters. People in the global crisis areas are fighting for survival, and to survive, millions of people are fleeing their homes. Even in the prosperous regions we feel the consequences and are at the same time their cause. Because the dependence of our current lifestyle, of our cities and villages, on global energy, products and raw material imports is the root for ecological destruction. In order to save a future for the crisis areas and also ourselves we need to substantially change our lifestyle. For millennia, local and regional circular economies and a close connection between humans and nature were the foundation of sustainable urban and cultural development.

A new solar age in conjunction with other groundbreaking technological, social and economic innovations shall provide an opportunity to overcome the dependencies that are threatening our survival.

The threat is global – the solutions are local.

Cellular Urban Structures

An Eco City consists of districts comparable to cells in a living organism. The four aspects of sustainability act in each one of them. The focus is always on the human factor – and a renewal of his relationship with nature and the environment.



Urban development

City of short distances / attractive mix of functions / sustainable mobility / Integration of urban and nature experience

Ecologic Aspect

Rethink the metabolism between humans and nature and integrate into daily life: local energy systems / integrated water, nutrient and material cycles

Economic Aspect

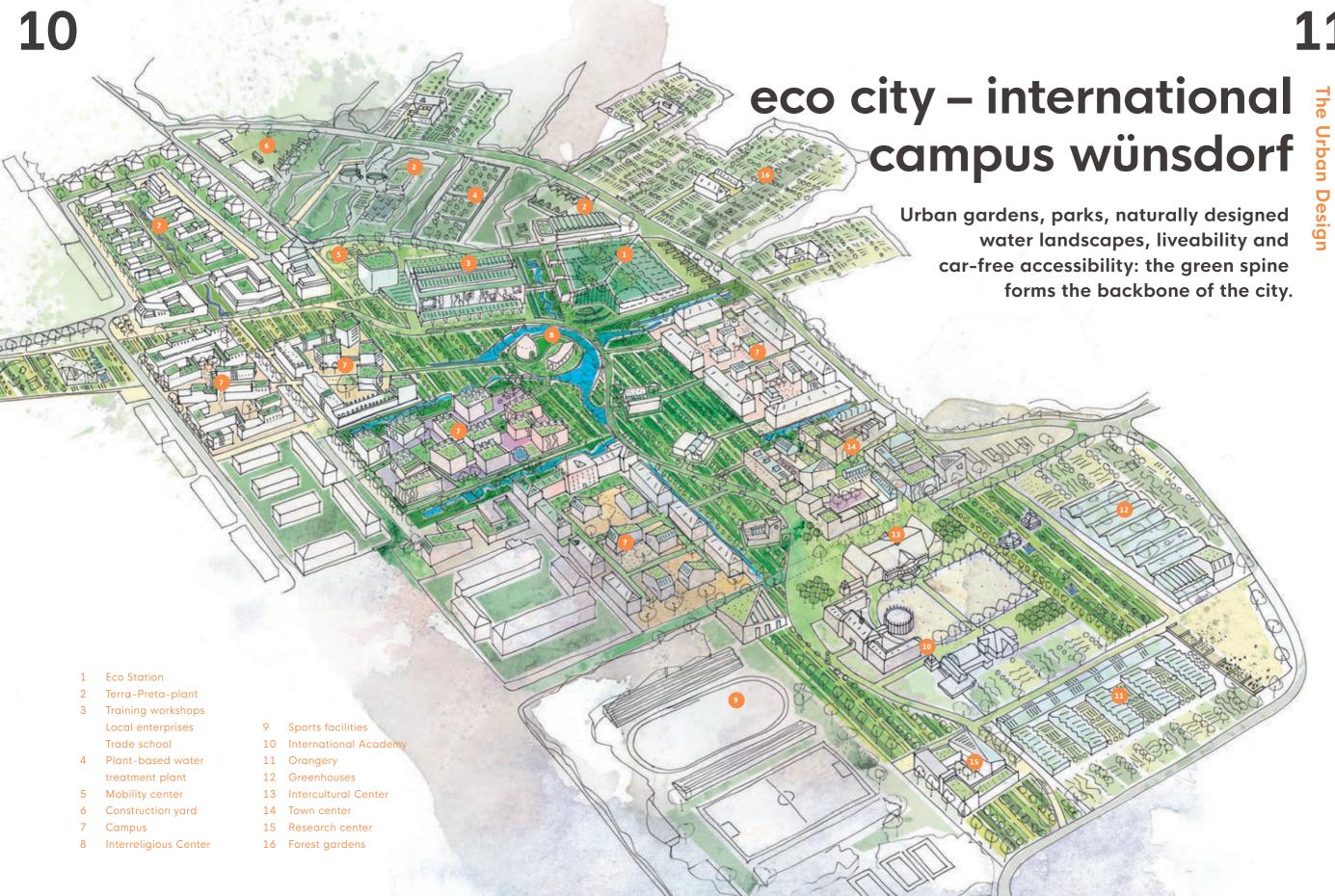
Circular economy promotes local value creation, Economy and jobs / sharing economy saves resources / consumers become producers

Cultural Aspect

Space for leisure and activities, art and culture in the neighborhood and district / aesthetics as a guiding principle for all areas of design and life / healing the relationship between man and nature

Social Aspect

Participation, decision-making and shaping / Meaningful life, work and leisure options / new living and neighborhood models / lifelong learning and working

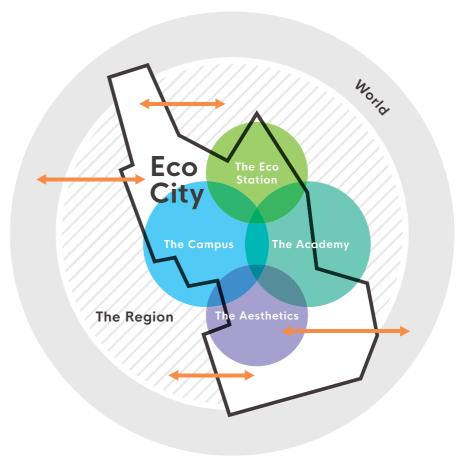


eco city: four pillars, ten thousand researchers

Local circular economy is the solution for sustainable urban development. This is where Eco City Wünsdorf comes in, with its four core elements of Campus, Academy, Eco Station and Aesthetics.

The Eco City Wünsdorf is a cellular ecological urban organism designed to be as self-reliable as possible. Its inhabitants are both consumers and producers who strive to be as self-reliant as possible. They use renewable energy, local water and nutrient cycles, cradle-to-cradle technologies for durable and recyclable products, and consistently sustainable mobility solutions. The Eco City Wünsdorf is above all a campus city. Education and training are its foundation. The largest group are apprentices who live, work and receive a training in the field of sustainable urban development. People from crisis areas, Germans, Europeans and international students will develop and test concepts of sustainable urbanity. Supported by experts, practitioners, NGOs and foundations, Wünsdorf will create a place of constant exchange with interested parties from the region, as well as stakeholders from all over the world. Starting from this model city, more and more cities will function according to the principle of the local circular economy.

Central Pillars



The Campus

The Eco City is a place of residence and education for up to 10,000 apprentices who will be trained according to the dual education system in various disciplines of ecological urban development. The inhabitants come equally from global crisis areas, Germany and the EU, and will be at the same time researchers and developers.

The Academy

The International Academy organizes the exchange with partners and guests from science, politics, business and cultural departments. It will carry the findings of the Eco City into the world - especially into crisis areas, with the goal of opening other Eco Cities in those areas.

The Eco Station

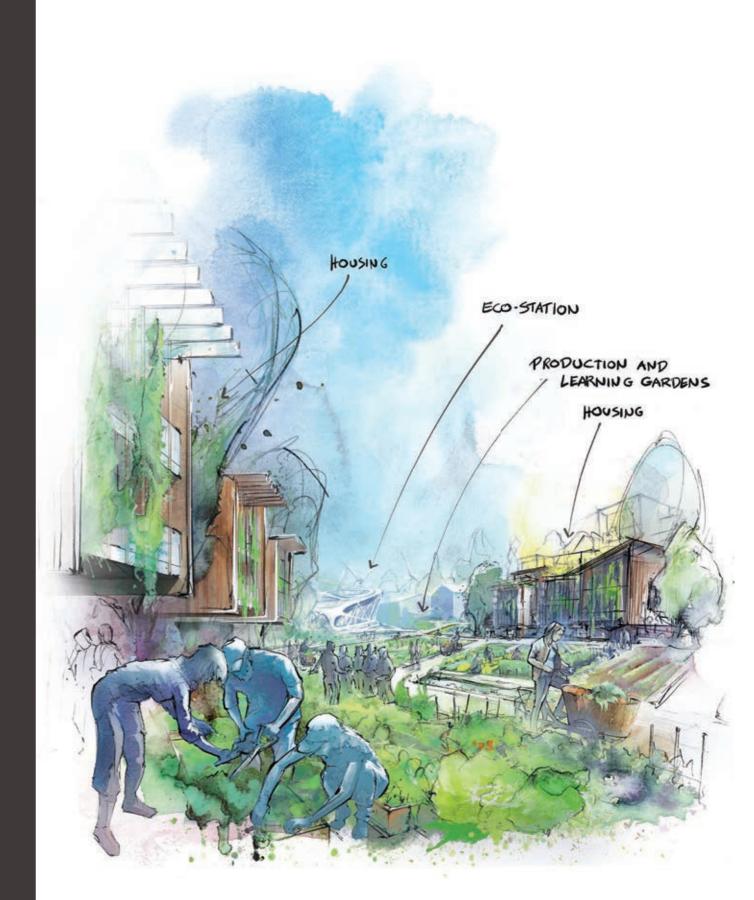
The Eco Station is the heart of the Eco City. Here, the new cellular and interconnected supply and disposal systems are brought together technically and functionally. It is in charge of communication, information and demonstration.

The Aesthetics

Plato had already stated that the path to truth starts with beauty. There can be no sustainable future without harmony and aesthetics. Art and culture also play a key role amongst people from different backgrounds in the Eco City, and can be found in all the living, training and working areas.

Ecology is taught and lived at the Eco City campus. The new qualities of the sustainable and cellular urban concept can be experienced here in day-to-day life.

In the green campus city, the distances between places, people and ideas are short. In Wünsdorf, people from crisis areas, Germans and EU citizens live, learn and work together. The training takes place in the tried and tested German dual education system – combining theory and practice – renowned in other countries, and designed to meet all future career challenges. The practical part of the training includes the construction, operation and maintenance of the Eco City. The theoretical part conveys the necessary foundations for sustainable urban development. Craftsmen from local companies provide the training with the support of experts from companies and project partners or retired professionals. The common education and daily life practice should create a stable basis for a lively integration process. In researching issues of the Campus City, the cultural knowledge of the refugees and their practical life experience in the crisis areas are valuable to develop particularly practical solutions.



Core principles of the Campus

learning



All apprentices receive training in equal share from specialists from Germany and all over the world, in particular from global crisis areas. The training takes place in joint learning and working groups that convey theoretical and practical knowledge equally keeping in mind the idea of a creative and inspiring coexistence.

working



The practical part of the training takes place in the self-operated facilities of the Eco City which play a key role in the management of the model city. The apprentices are integrated directly into these facilities and acquire the corresponding know-how in their respective training area.

living



Trainees from different backgrounds live together in groups of up to 20 people with common areas, individual rooms and family-friendly apartments. With an average duration of training of presumably 3-5 years, the housing groups will be put together so that newcomers and older residents may live together.

creating



The different experiences and cultural backgrounds of the apprentices should offer optimal conditions for co-creation. Structures that promote community thinking and action create a breeding ground for ideas that combine technical, cultural and indispensable know-hows.

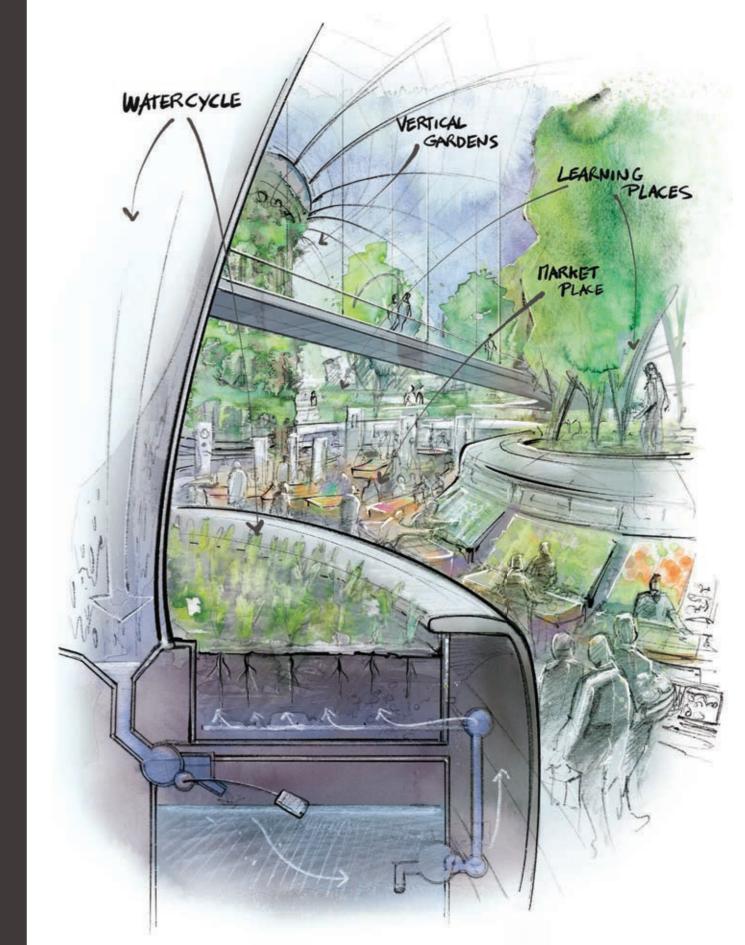
ether

the heart of the eco city the heart of

A new type of building without precedence. It is the interface between new local circular technology and the residents of the eco city. Not only it is the most important functional building in the city, but it may serve as a showroom to the region and extensively to the world.

All essential energy and material cycles are brought together in the Eco Station. Sun, wind, water, biomass and geothermal energy: In the heart of the eco city, the energy flows are coordinated via an intelligent distribution grid (Smart Grid). Repair shops and laboratories for developing durable and sustainable products and strengthening local material cycles are just as much a part of the Eco Station as the Terra-Preta production, where fertile soil can be produced from waste water, organic municipal waste and charcoal. Greenhouse gas emissions are sent to the connected greenhouses for CO2 fertilization of crops. Aquaponic facilities for fish and vegetable production can also be designed here for teaching and business purposes.

Besides, the Eco Station is not only a place of work for trainees and researchers, it is also an information and meeting center for visitors and the public. As a concrete demonstration site, it showcases the metamorphosis of fossil "end of pipe" urban systems to sustainable circulatory systems. Thus the technical heart of the Eco City should also serve as an attractive learning and fascinating location that turns the ecological system into a vivid, understandable and tangible living experience.









Technical Functionality

Energy / Smart Grid

Self-sufficiency from local and renewable energy sources, connection with electromobility and the energy components of water and material cycles

Water and Nutrient Cycles

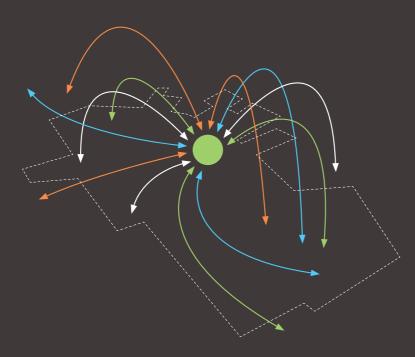
Production of valuable soil from wastewater and organic municipal waste for local food production with Terra-Preta technology

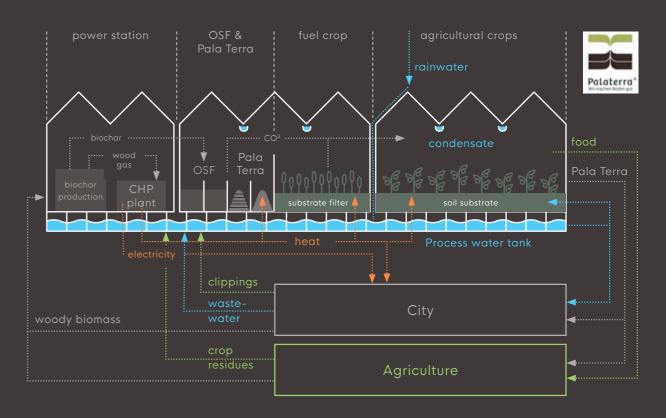
Local Food Production

Production of 80 percent of vegetable, fruit and herbal supplies on own garden land and in greenhouses; presentation, tasting and marketing the products in restaurants at the eco station

Cradle to Cradle

Design demonstration and workshops for the 5R Strategy: Refuse, Reduce, Reuse, Recycle, Renew





Social Aspects

A destination to experience and learn about necessary systemic changes towards locally networked circular technology, circular economy and new ecological design

Publicly accessible to residents, visitors, apprentices – focused on life-long learning

Events, workshops, exhibitions – market place for local and regional products, for ideas and services on the way to a sustainable society

Experiencing holistic design approaches: design for the senses, the mind, the heart and as a sense of play

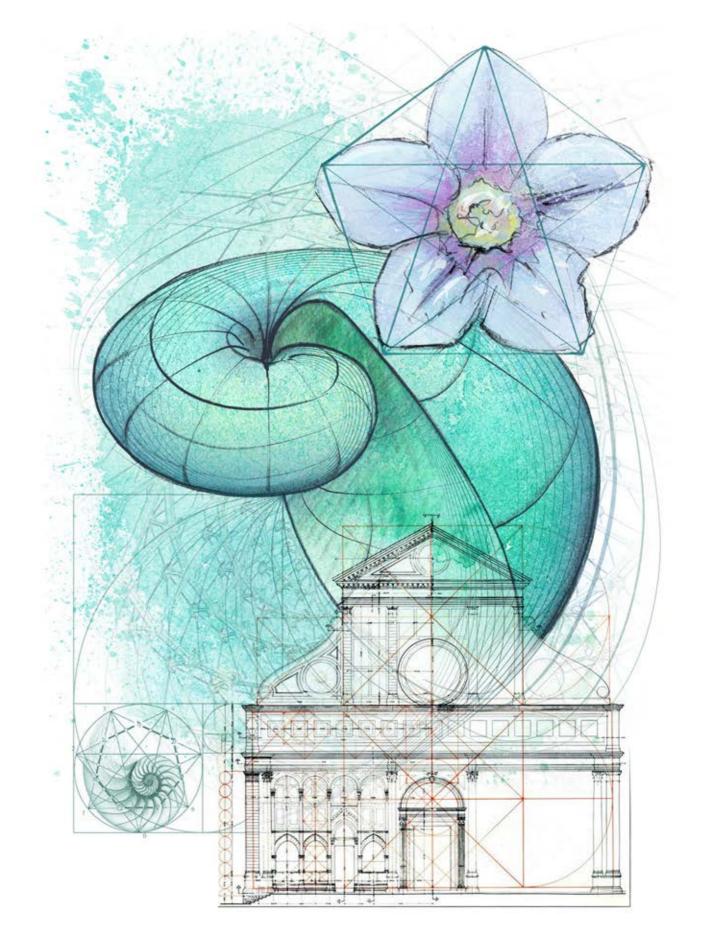


no sustainability without beauty

Aesthetics is nature's winning formula - combined with a pursuit of wholeness and harmony it creates the fundamentals of sustainability.

All sustainable cultures have in common the search for beauty. Admiration, respect and appreciation of aesthetics and artistic creation have always been among the most important elements of understanding of people of different languages and origins. As a consequence, aesthetics is one of the foundation stones of

An Intercultural Center will offer space for independent or guided cultural activities such as music, dance, theater and free artistic activity. The results of the intercultural artistic activities should flow directly into the design of the campus city. They should have a decisive influence on the buildings, the open spaces, the infrastructures and the daily life in the campus city. A second focus of the Center is to provide art therapy classes to those who have experienced severe traumas. Creativity is a great mean for self expression replacing words. Public events and projects may spread to neighboring rural areas and add up to the cultural activities of the region.





one can only understand the wholeness of the world through the experience of beauty













From the first cave paintings, the simplest clay and straw huts, the earliest places of worship to today's concept of art and design, aesthetics is a basic biological human need and a pattern of human civilization and cultural history.

an impulse for the world

The International Academy is regarded as the laboratory and speaker of Eco City, a hub for its concepts of peace, integration and sustainability. The development of a global network of Eco Cities is pursued from here.

The scientific work of the International Academy would explore the links between climate change and wars as the cause of migration. In addition to this, in close collaboration with Eco City and the Campus, the Academy would develop strategies for the ecological re-colonization of devastated crisis regions. Living models would then be shared from Wünsdorf to the world especially where they are most needed – in areas that are particularly affected by climate change or wars. International organizations could open up their own branches, so could cooperation partners, visiting scientists, doctoral candidates and interns find their home on the grounds of the Academy. Leading protagonists from the business, political, and scientific world would support the work of the Academy. As partners and multipliers, they would be the ambassadors for peace, integration and ecological urban development both in the region and in the crisis areas.













The International Academy

What is developed and tested in Wünsdorf should not remain there. It calls for an exchange with the world, new ideas to be discussed, improvement of good things and established concepts shared and further developed. The impulse could lead to a movement, turning the concept into a prototype and the Eco City Wuensdorf into the starting point of a global network of similar campus eco-cities.





from war to peace

Wünsdorf served as one of the most important military bases of Germany for over 100 years. Now a Peace Center is to be built here. A metamorphosis with tremendous radiance.

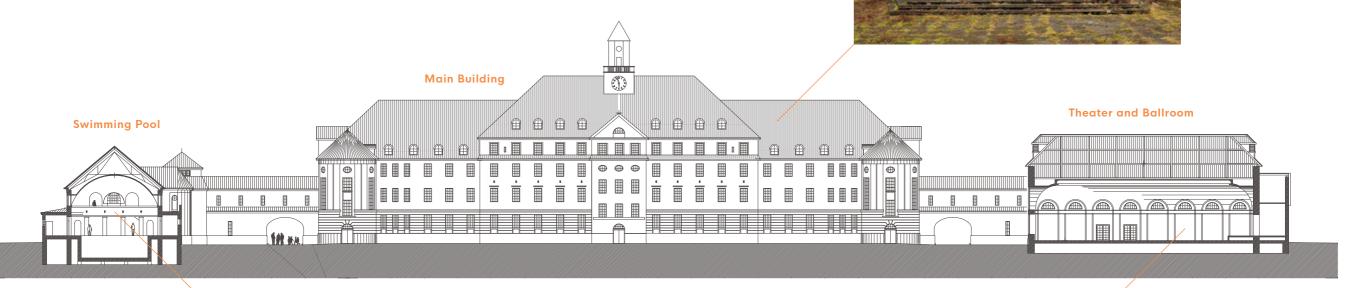
The military camp of Wünsdorf, located at the south of Berlin, has a long history: first Prussian, then German, and Soviet. At the beginning of the 20th century imperial troops were stationed here; during the First World War Wünsdorf became the head-quarters of the German Reichswehr. From 1938 until the end of the Second World War, the military site was used for the High Command of the Nazi Wehrmacht. Then in 1953 it became the High Command for Soviet Forces in Germany, thus turning Wünsdorf into a Soviet city in the middle of the GDR, shielded from the rest of the country. Back then, over 40,000 military personnel with their families lived in this "Forbidden City".

Since the departure of the Russian soldiers in 1994, the core area of the former military town of Wünsdorf has been abandoned. It is about time to advance the transformation of this military location into a sustainable living space. Emblematic of the hot and cold wars of the twentieth century, Wünsdorf in the twenty-first century has the chance to transform itself into a model city, providing solutions to the most pressing future issues of our time. Thanks to the Eco City, Wünsdorf will become the engine of a sustainable design of society – locally, regionally and worldwide.



Former Army Sports School

Historic buildings can be re-visited for the Eco City and the needs of the campus. Its ecological refurbishment is part of the education and also a part and symbol of its transformation.





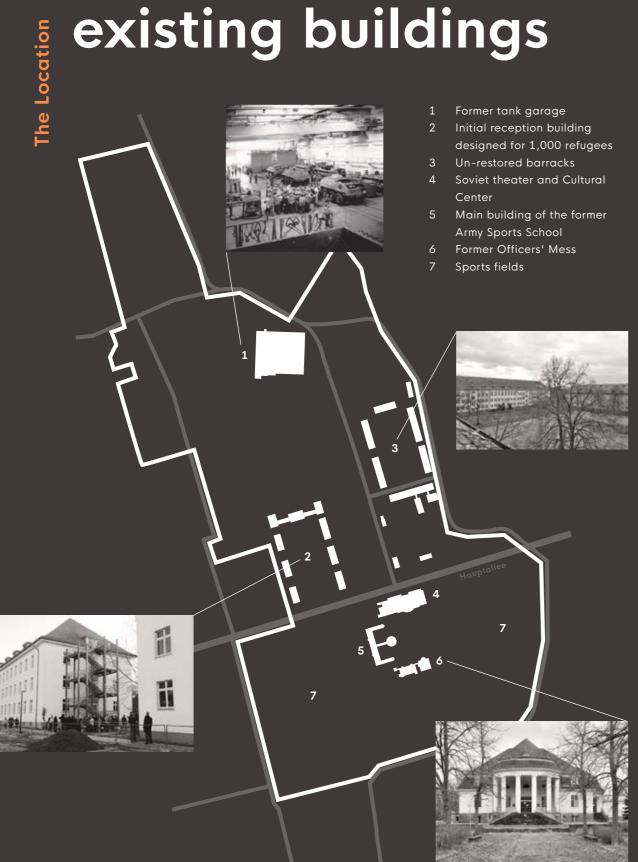






35

existing buildings



future



implementation phases

1,000 Apprentices

Renovation and transformation

 Model transformation of the existing initial reception center for refugees into campus neighborhood A1

The immediate future

- Start of agricultural-horticultural use and training on the fallow open spaces
- Establishment of the first campus workshops and educational facilities, ecological and cultural infrastructures in existing buildings

2,500 Apprentices

- Former Tank Barracks become Campus Neighborhood A2
- Former Tank Garage is converted into the central building for the training workshops
- Former Army Sports School becomes the International Academy and Intercultural Center
- Former sports areas are reopened

The future is immediate whereas the construction proceeds step-by-step



6,000 Apprentices

V

max. 10,000 Apprentices

New construction

- Campus neighborhoods A3 and A4 are created
- Town center A5 with administration, apartments for employees, boarding house, hotel, health center
- Eco Station, Mobility Center, Greenhouses
- Green spine with central lake and Interreligious Center

Further new housing developments

- · Campus neighborhoods A6 and A7
- With the Forest Gardens, the agricultural land will be expanded to 25 ha, of which 3.5 ha in greenhouses - 80% self-sufficient growing fruits, vegetables and herbs -Meat and field crops would come from local partners
- Construction of ecological garden city neighborhoods for employees in the vicinity of the Eco City









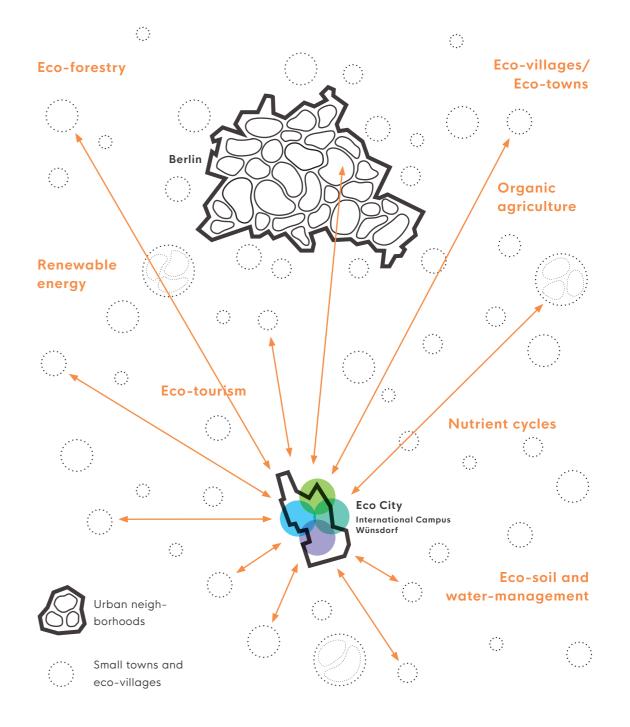
opportunities for the region

Eco City Wünsdorf redefines the relationship between the city and its surroundings: it would mean a strong appeal to companies, start-ups and investors to pump up the structurally weak region and open up new perspectives.

The Eco City is the world's first integrated ecological city with state-of-the-art knowledge and technological development, which necessarily sets standards. Solutions developed in Wünsdorf will conquer the markets of the future. Thus, this pioneer project will become an attractive cooperation partner for political, cultural and business issues. The redevelopment of the abandoned urban area would have positive economic effects for local industries of all kinds: construction and crafts, energy, water and agriculture, commerce, services and real estate, agriculture, tourism, food production. The establishment of an integrated ecological city, the settlement of 10,000 apprentices, the founding of an International Academy and cooperation with companies and institutions would promote local value creation in the long term and lead to sustainable growth effects. Experience, competence, expertise and trained specialists and application-oriented models would not only benefit the Eco City. The entire region would profit from the new resources and know-how. Such a sustainable transformation would be initiated leading to the creation of start-ups, the establishment of businesses and it would promote the initiation of other and long-term model projects to an ecological model region in Berlin-Brandenburg.

Ecological model region Berlin-Brandenburg

The Eco City Wünsdorf would initiate sustainable growth and value added effects for many local industries. It could be a trailblazer of a new, cellular urban and rural development.



comptence team



Prof. Dr. Ekhart Hahn

Author and Director of the project; Founder of settlement ecology and ecological urban renewal; trend-setting model projects for ecological urban and neighborhood development and a new sustainable urban hinterland development.



Joachim Böttcher

Terra-Preta Pioneer, Agricultural Ecologist; Board member and Co-initiator of German sustainable foundations and competence clusters dealing with regenerative soil use.



Winfried Brenne

Expert in heritage-listed and energy efficient building refurbishments; buildings from all eras as well as national and international UNESCO World Heritage projects.



Frank Alva Buecheler

Migration activist and artist, engaged in refugee projects in the Middle East and Berlin, founder of "FREEARTUS - Artists and Refugees United for Freedom".



Rolf Disch

Visionary of solar architecture and ecological urban planning, construction of the first energy-positive house "Heliotrop" and the solar settlement Freiburg Vauban.



Prof. Herbert Dreiseitl

Artist, landscape architect, interdisciplinary city planner working worldwide. His work in the area of urban hydrology is considered groundbreaking



Joachim Eble

Pioneer of ecological, green and integral planning and construction; undertakes trend-setting sustainable architecture projects, urban neighborhoods and master plans internationally



Andreas Foidl

Visionary business economist with sound business and real estate expertise;
Development, initiation and support of value, as well as welfare-oriented projects.



Bashar Hassoun

Co-founder of the "Lawrence Cultural Center" for artists with and without migration experience; completed numerous projects with partner organizations in Syria and Lebanon.



Andreas Krüger

Passionate urbanist, communicator, presenter; supports city districts, stakeholders and owners in the completion of welfare-oriented land use strategies.



Carole Sambale

Sociologist and expert in inter-cultural understanding, peacemaking and communication, conflict prevention with a focus on development cooperation in Western and Central Africa.



Ina Schacht

Expert in visual communication; catalyzes projects in education, migration, culture; Organizational and coordination talent; Head of our office.



Insa Winkler

Environmental and art activist, founder of "Social Land Art" for the research in human-environment relationship, design of ecological landscape concepts.

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About Us

genealogy of the project 2017

- Establishment of an interdisciplinary core team
- · Development of the urban design draft
- Conducting interdisciplinary expert and creative workshops
- Opening of a project office

2015

Intensification of the climate crisis and one million refugees flee to Germany: The project idea is born.

2016

- Development of the project concept and choice of the former military town Wünsdorf as location for the project
- Geomancy seminar under the direction of UNESCO Ambassador Marco Pogacnic
- Semester project of the correspondence course "Architecture and Environment" of WINGS- University of Applied Sciences Wismar
- First public project presentation in the Literaturhaus Berlin

2018

- Foundation of the Association: Internationale Campus-Eco-City Wünsdorf e.V. (ICEC)
- Public stakeholder dialogue and presentation of the project idea in Wünsdorf and Zossen
- · Presentation of the project in the coordination committee of the district Teltow-Fläming
- Exhibition on the state of planning of the project in the Lawrence Gallery in Berlin-Mitte with various accompanying events
- · A generous private donation creates opportunities to further professionalize the project

2019 and beyond

- Creation of a brochure, website and materials for professional public relations and fundraising
- Working groups on feasibility studies and evaluation of possible alternative locations; fundraising for further investigation of key topics, workshops and the development of a partner network
- Creation of a political acceptance and support at local, regional, federal and EU level up to international organizations

join us and be part of the project!

Achieving more together: building the first Eco City in Germany is an ambitious project. Whether you want to become a part of our team, support us as an institution, an investor, or a donor or share your expertise... any help is welcome.

Please contact:

Ekhart Hahn +49 (0)30 788 980 15 e.hahn@eco-city.net Andreas Foidl +49 (0)30 788 980 15 a.foidl@eco-city.net

Our Partners

DREISEITLconsulting

BRENNE ARCHITEKTEN GmbH



















Dear Reader,

One of the biggest concerns of my life for many years -in my work as an actress and in private life- has been dealing with climate change, environmental disasters and a future at risk which are forcing more and more people to migrate, and also means a threat to our children and grandchildren. Above all, I am

concerned with finding solutions for a liveable and feasible blueprint for a future. In our forest house in the Mark Brandenburg, not far from Wünsdorf, we have been using permaculture principles for a long time, being inspired by nature, and inviting friends, colleagues and neighbors to discuss together how we can help shape a better future.

When Ekhart Hahn told me about the Eco City and the International Campus Wünsdorf project, I immediately thought it was a brilliant idea. The concept, with its visionary power as well as its concreteness, exceeded my personal knowledge and experience. For the first time I encountered topics which I had previously heard of individually and in an unconnected fashion, now combined and thought together.

So that I decided to work on its completion, not as a politician, city planner or expert, nor as an actress, but as a responsible fellow human being. If we really want to take responsibility for our future, that's the way it should be!

Since then, I have participated in many workshops, talks and events. I have met wonderful people, many who think alike, as well as leading experts on the different aspects of the project. This project concerns every single one of us, and we need to join our forces to make this idea a reality. I would be thrilled if a reader also felt that way. You are very welcome to join!

Eva Mattes

Actress

"If we really want to take responsibility for our future, that's the way it should be!"

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Association registry

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Donations:

Triodos Bank N.V. Deutschland IBAN DE34 5003 1000 1059 2870 08 BIC TRODDEF1 (tax-deductible in Germany) In 2015, the General Assembly of the United Nations adopted 17 Sustainable Development Goals (SDG). The project Eco City - International Campus Wünsdorf sees itself as a concrete contribution to its implementation.

