

9 Routes to the Sustainable Development of Society

1 The historical route: The history of the village as of 1364 · The motte of the castle · The "von Blüchers" · Mediaeval herb garden · The barrow · Documentary: contemporary witnesses of the Wietow manor house

2 The water route: Oloid – the new pond aeration · Fountains · Solar drip irrigation · Solar livestock watering · Solar deep well pump · Solar drinking water provision

3 The light route: Solar street lighting · Solar outdoor lighting · Solar lamps for Africa · Solar car parks · Solar sign lighting · LED lights for signs · Solar kiosk with rotating advertising lights · Biophotons

4 The route to one's own solar system: The ecologically redeveloped manor house · Solar pasture fence · Solar movers · Advice, planning, project planning · Solar car parks · Sales exhibition: small solar articles – from solar milk frother to solar jewellery

5 Nature and adventure trail: Tree trail (5.1) · Beech tree faces (5.2) · Japanese garden (5.3) · Subtropical plantation planting (5.4) · Outdoor area: forest · Outdoor area: kettle holes · Fish pond · Boat trip · Solar playing ideas · Mini petting zoo

6 Mobility for the street in the solar future: Solar garage · Solar cars · Solar boat · Solar driving licence · Solar movers · Solar filling stations

7 Adventure tour in the House of the Future: Tundra · Temperate zone · Subtropics (concentrator technology, solar air-conditioning, thermal storage)

8 The route to a sustainable diet: Solar café · Cookery courses (organic, Chinese, African, Mediterranean, oil-protein diet according to Dr Budwig) · Tai chi · Massages · Acupuncture · Homeopathy · Measurements for regulation diagnostics

9 Culture trail: Art wind farm · Open air theatre · Sagas of the "The Knights of Wietow" and "The Ancestress of Wietow", DVDs of the open air theatre performances · Discussion forums · Film screenings · Excursions · Handicrafts, experimenting for children · Interactive exhibits · Walks · Cycling · Carriage rides · Rapeseed flower rides · Writing poetry · Painting · Photography

World's first art wind farm:
 4 wind turbines – Enercon E 40, nominal output 500 kW, hub height 65 m



For how to get to us, see www.solarzentrum-mv.de

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OUR BUILDINGS



Situated in one of the most beautiful spots in Mecklenburg, shrouded in legend, one of the most interesting industrial centres of the future, a groundbreaking project, has come into being:

THE SOLAR CENTRE MECKLENBURG-WEST POMERANIA Solar information, demonstration, congress and research centre, solar technology and industrial centre

We pursue the aim of long-term support of climate protection and the creation of innovative workplaces thanks to the use of regenerative energies. The ecologically restored manor house, a listed building, is used for conferences, congresses, exhibitions, training courses, information and advice and is also open to external event organisers.

The interior fits in with the ecological and sustainable overall concept. The simple and light rooms make the visitor immediately feel at home and in good hands. This feeling is also fostered by the artists that exhibit here four times a year and who transform the solar centre into an art gallery with murals, graphics, sculptures and pottery.

Nothing is permanent here: the PC work stations can be moved, the interior of the congress and workshop room can be adjusted to suit the needs of the guests and in the library, which exudes the historical flair of the centuries-old complex, the seats are arranged in line with the readers' wishes.



DAILY ACTIVITIES

The solar technology and industrial centre, a new construction in line with the house-within-a-house concept under EFTE film which transmits more light and UV radiation, conducts any direct solar radiation onto the energy system of the envelope technology located under the film: down-stream concentrator photovoltaics, phase shifter and thermal absorber. Technology serves the solar production of power, heat and cold, which is used in nine seasonal long-term storage units with 360 m³ water for year-round, energy-autarkic air-conditioning in three climatic zones (subtropics, temperate zone and tundra). About 120 m³ of iced water is stored in four underground tanks for cooling purposes.

The wide variety of working possibilities in the solar centre offers interesting fields of employment for everyone.

Modern offices, seminar and conference areas, exhibition and demonstration rooms, PC and experimental workplaces invite users to get to grips with the areas in which renewable energy can be used. Besides a virtual library, there is also an extensive collection of literature. Visitors can stay overnight in accommodation that is equipped with the latest communication technology.

CULTURE AND LEISURE

Analysis of the energetic conditions in the buildings, working with simulation programs for photovoltaic and solar thermal systems as well as the inspection of components for the use of solar energy in the ever-changing exhibition are just a few examples of the wide range of options on offer.

Thanks to the joint handling of projects with young people from all over the world, the solar centre becomes a communication and meeting place and the fields of applied research, product development and planning offer the best conditions for preparing the ground for joint venture companies.

The project called "Solar centre Mecklenburg-West Pomerania – solar information, demonstration, congress and research centre" has, together with the project sponsor "Solar-initiative Mecklenburg-Vorpommern e.V.", received the German Solar Award 2004 in the category "Local and regional associations as promoters of renewable energy projects" and won an award in 2009, the UN decade of "education for sustainable development".

Solar vehicle tours in the picturesque area around the solar centre can be ordered so that you can familiarise yourself with alternative forms of mobility. Long walks in the surrounding forest lead to the Lübow art wind farm.



SUSTAINABILITY

We pursue the aim of shaping people's awareness for the need of the sustainable development of society and not just in technology but in all areas of life.

Primarily, everything revolves around the use of solar energy in homes/architecture, in landscaping, agriculture and forestry right through to life energy. This ranges from history to the future and is symbolically brought to life by nine routes and pathways (see map on other side, points ① to ⑨).

The idea of sustainability is supported by the annual project "100x100: Do something today – learn something for tomorrow – 100 projects for a sustainable present to maintain a better future". For annual applications from young and old, go to www.solarzentrum-mv.de.



Jesendorf + A14

Hohen Viecheln