



*INTECHNICA has prepared and audited two extraordinary buildings for certification according to the international LEED hallmark. The two buildings are characterised by energy and resource efficiency combined with innovative, ecological solutions ...*

## **Werner & Mertz, Mainz**

**A real plus-energy building!**



*LEED stands for “Leadership in Energy and Environmental Design” and is considered the most important international benchmarking standard for sustainable construction (GREEN BUILDING).*

*Buildings are assessed according to six main criteria:*

- **Sustainable sites**
- **Water efficiency**
- **Energy usage**
- **Environmentally-friendly materials and resources**
- **Indoor environmental quality**

*Buildings are assessed in four categories:*

**Certified / Silver / Gold / Platinum.**

*Continued...*



*The headquarters of Werner & Mertz GmbH – maker of the cleaning brands “Frosch” and “Erdal” – now complies with the highest international benchmarks for sustainable and environmentally-friendly construction.*

*That is why the building was awarded the LEED PLATINUM hallmark last year. This new build is the only administrative complex in industry in Germany, which has gained this highest award category.*



*This office building for 200 members of staff, impresses with its exemplary energy concept:*



*By means of wind power, photovoltaics and geothermics, this building generates more energy than it uses for its day-to-day operations. The surplus of more than 20% of the electricity generated is (for instance) used for charging the company-owned electric cars or is fed into the national grid.*

**Says building owner Reinhard Schneider:**

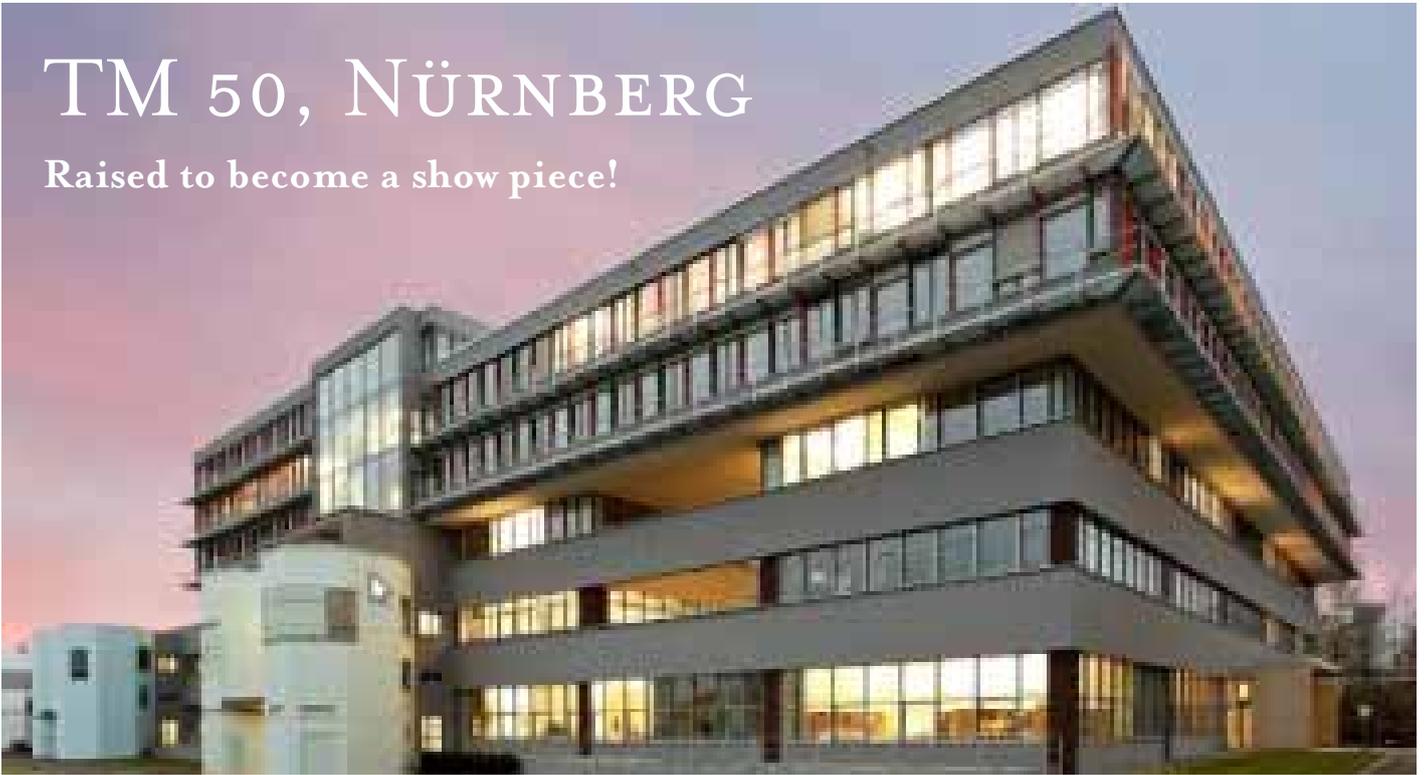
*“In order to reach this extraordinary result, we replicated our experience with our Frosch brand: instead of investing large sums into perfecting a single positive feature, we aim to drive forward as many ecological aspects and elements of sustainability as possible.”*



*Continued...*

# TM 50, NÜRNBERG

*Raised to become a show piece!*



*The two-storey existing building (the former "FOTO QUELLE") on Thomas-Mann-Straße 50 was completely rebuilt in 2010 – 2011 and raised by four storeys.*

*That is why the building was awarded the LEED PLATINUM hallmark last year.*

*This new build is the only administrative complex in industry in Germany, which has gained this highest award category.*

*This office building for 200 members of staff, impresses with its exemplary energy concept:*

*Because of this, it was awarded the LEED GOLD hallmark in September 2012.*



*In order to win the award, all construction activity as well as choice of building materials and the technical equipment in the building had to consistently meet the highest ecological criteria.*

*Moreover, existing parts of the building were not simply demolished but reused whenever possible.*

*Among other things, TM50 uses the heat generated by a geothermics system for concrete core activation.*

*Goal of the project leaders was to create an energy concept for the building based on maximum efficiency in heating as well as cooling, and to do this in the most climate neutral way possible.*

*The new building is setting standards with regard to ecological, artistic, energy-related and social consciousness. Now you, too, can benefit from the tangible benefits of fulfilling GREEN BUILDING-standards with a better ecological and social image – optimised energy-efficient building systems lead to energy savings, reduced operational costs and to higher real estate value.*

*Continued.....*

*By making use of ecological materials, a high level of daylight as well as a healthy indoor climate, it is possible to demonstrably benefit the environment and the users of the building while reducing the consumption of natural resources (water and energy).*



*INTECHNICA will provide your company with expert advice and guidance when you conduct the LEED-certification process.*

*Alternatively, we can help you to optimise your building according to GREEN BUILDING standards without certification.*

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