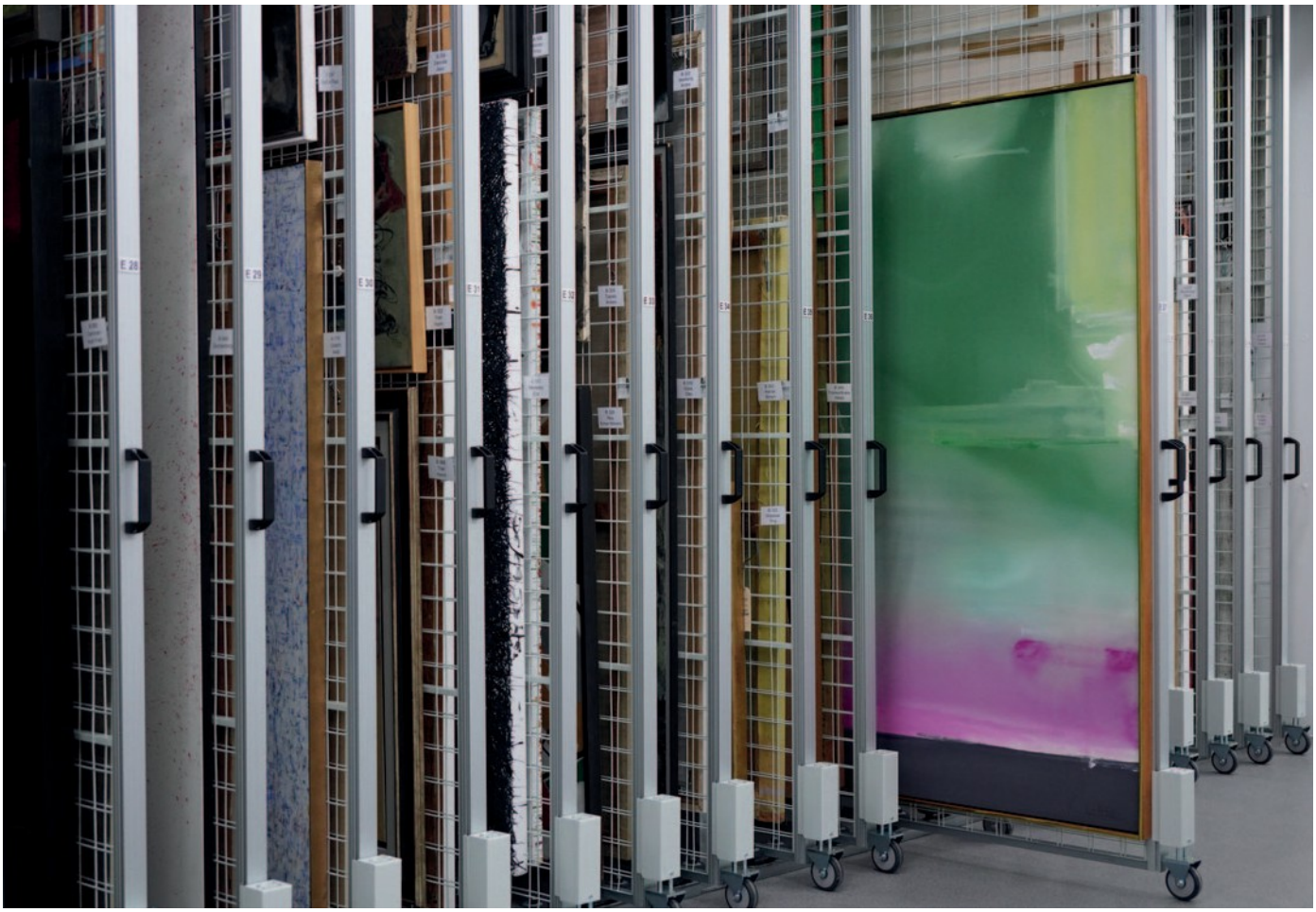
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Painting train system DL-120 from ArtStore. Museum Reinhard Ernst Anika Dekubanowski

Depot Museum Reinhard Ernst - A customised solution for art storage

The Reinhard Ernst Museum in Wies- baden opened its doors for the first time on 25 June 2024. This new museum for abstract art was created by the vision of founder and entrepreneur Reinhard Ernst and offers impressive works of art as well as the highest standards of storage and preservation. It was designed by Japanese architect and Pritzker Prize winner Fumihiko Maki, known for his clear design language and innovative buildings. The Reinhard Ernst Museum is his first in Europe and impresses with an architecture in which no wall stands directly on top of another.

Requirements for the deposit facility

Specific requirements had to be met for the storage of the museum's valuable art collection. The biggest challenge was to develop a system that could store large and sensitive works of art safely and in a space-saving manner without compromising the building's statics. Throughout the entire project phase, ArchiBALD acted as a supplier.

ArtStore in Germany as planner and project manager on site and direct contact for the museum Reinhard Ernst. The depot equipment was developed in close collaboration with the manufacturer ArtStore by Kern Studer GmbH, the planner and the construction company. A free-standing construction had to be chosen in which the loads could be transferred to the floor without creating additional loads on the walls or ceilings of the museum. At the same time, the position of the load-bearing wall discs for the building had to be chosen in such a way that both static requirements and the use of the space as a depot were guaranteed. This solution enabled optimum utilisation of the space and safe storage of large-format paintings.

Special attention was also paid to the integration of the ventilation systems. As the accessibility of the inspection openings had to be guaranteed, the rail system was designed in such a way that

designed so that individual elements can be removed as required. The DL 120 system developed by ArtStore was used here, which is characterised by its precise alignment of the rail elements and vibration-free running.

The speciality of both ArtStore and ArchiBALD is that they specialise in customised solutions. The partner ArchiBALD takes care of project planning, measuring, planning and realisation on site in Germany. As a team, ArtStore and ArchiBALD can work the market efficiently and offer a high level of service for interested parties. The two companies can also point to 15 years of experience, which underlines their expertise in the sector.

Planning and realisation

The project began to take shape in 2018. ArchiBALD worked with structural engineers and the team of architects from Schneider + Schumacher to plan the best possible room layout for the depot. The requirements for the depot equipment were further complicated by the need for detailed preliminary planning and coordination with various specialists. In addition to the technical challenge of planning the building, conservation support also played a decisive role. Experts advised the team on the optimum room climate and lighting conditions to ensure the long-term preservation of the works of art. During the construction phase, the depot equipment had to be installed at an early stage, even though the building work had not yet been completed. This required precise scheduling and logistics, as some of the supports and profiles had a length of up to six metres. The number of fixing points was reduced to a minimum and additional load distribution measures were taken to prevent the screed slab from moving and cracking.

ArtStore painting train system: customised solutions for the highest demands

A customised DL-120 tensile system with aluminium rails from ArtStore was used to store the artworks. This ceiling-running, innovative system consists of 126 double-sided sliding walls and offers an impressive hanging area totalling 1,682 square metres, ensuring both stability and safety. Thanks to the flexible design, the large-format works of art can be stored very smoothly and with an extremely low breakaway force, gently and in a space-saving manner.

A particular highlight of the system are the various painting hooks, which make it much easier to hang works of art thanks to their self-clamping function. These solutions are specially designed to hold even large formats securely and stably without having to make complicated adjustments. The system is offered as a complete solution. The system can also be supplemented with a painting trolley, which makes it easier to transport the artworks within the system and ensures gentle handling, even with larger and heavier formats. >





Foundation founder Reinhard Ernst
Museum Reinhard Ernst Tanja Nitzke

The integrated vibration protection system, which effectively minimises vibrations to protect the artwork from possible damage, is also particularly noteworthy. If desired at a later date, the centre distances can be reduced or extended to meet changing requirements. It is also possible to add or remove lattice walls. A complete relocation and expansion of an existing system could be realised without great effort, offering maximum flexibility for future planning.

The depot as part of a comprehensive collection

Collections are not just private treasures, but cultural heritage that is preserved and made accessible to the public through responsible collecting and storage. This emphasises the important function of the museum as an interface between the preservation and presentation of art.

A special aspect of the Museum Reinhard Ernst's collection is the use of modern and innovative storage systems from ArtStore, such as the aesthetically high-quality DL-120 and the compact Art Gallery. These systems not only offer functional advantages, such as secure storage and easy accessibility, but also open up new possibilities for presentation thanks to their sophisticated design. This creates a link between the aesthetic experience of art and the technical expertise behind its preservation.

In addition to large-format paintings, small sculptures, graphic works and photographs are also safely stored here. The Reinhard & Sonja Ernst Foundation pursues the goal of making art accessible to a broad public and at the same time emphasising the collectors' responsibility to society.

Successful collaboration

The Reinhard Ernst Museum is an impressive example of successful collaboration between architects, construction planners, depot organisers and art experts. This close co-operation has resulted in a holistic concept that not only focuses on the aesthetic presentation of the works of art, but also on their long-term preservation and safe storage. The customised storage facility offers optimal conditions for storing a wide range of art objects and guarantees the highest conservation standards.

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