



## Freudenberg Sealing Technologies GmbH

55 HELIOS licenses in Hamburg guarantee central data access and constant up-to-dateness of data

Freudenberg Sealing Technologies is an experienced technology expert and a global market leader in the field of sealing and electric mobility. At the company's location in Hamburg the focus is on the development and production of seals and sealing systems for applications in the heavy industry. This includes shaft seals with diameters of up to 10 metres for tunnel boring machines, long-life seals for wind power plants, or robust hydraulic seals for large industry presses

“These are very special seals, mostly produced in small quantities, for which frequently only the installation spaces have been standardized according to industrial

standards”, explains Björn Quelle, interface coordinator in the field of Product Design Application Development in Hamburg. This requires the utilization of a flexible CAD system which can automate design processes by means of state-of-the-art variant technologies. And HiCAD by the Dortmund-based ISD Group can meet these high demands.

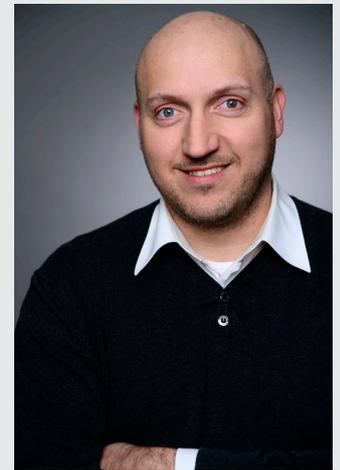


## REFERENCE REPORT



*“The reduction of working hours from 120 to 18 clearly shows the extent to which our work processes could be speeded up and demonstrates the efficiency of a PDM system like HELiOS, which automatically generates and controls all work processes for us.”*

*Björn Quelle, Interface Coordinator, FST Hamburg*



“A constantly changing order situation depending on the project business and various other requirements lead to highly individual sealing systems and constructions which must later be perfectly suited to their respective purpose“, says Björn Quelle to explain his decision in favour of HiCAD.

### Pro HELiOS: HiCAD interface

Only 12 months after putting the multi-industry capable CAD program HiCAD into service at the FST in 2006, the developers of the ISD Group also implemented their PDM system HELiOS.

This quick decision of the customer was promoted by the possibility to create a direct interface between HiCAD and HELiOS. This configuration allowed an automated transfer of all existing legacy data in the company.

### Pro HELiOS: User group management and folder functions

HELiOS offers multifunctional PLM solutions. Besides projects, you can also create folders. “Exactly one user is assigned to one folder. This user has primarily the right to make changes to the documents contained in the folder. Other users, too, can view the folder, work with it or make changes – these rights can be determined by assigning roles to users. The respective order and modification status will be documented. A key strength of HELiOS is its Workflow concept, which allows an assigning of defined tasks within a project to employees from different departments, and reminds them of open points. The ToDo lists – another useful feature of the PDM system HELiOS – provide each employee with an overview of his or her individual tasks.”

### Pro HELiOS: Relevance throughout all departments

The work with HELiOS is relevant for many areas of the location in Hamburg: Product development, toolmaking, laboratory, production and, most notably, application development. Furthermore, all departments requiring project related data and information have at least a read permission for HELiOS, explains Björn Quelle.

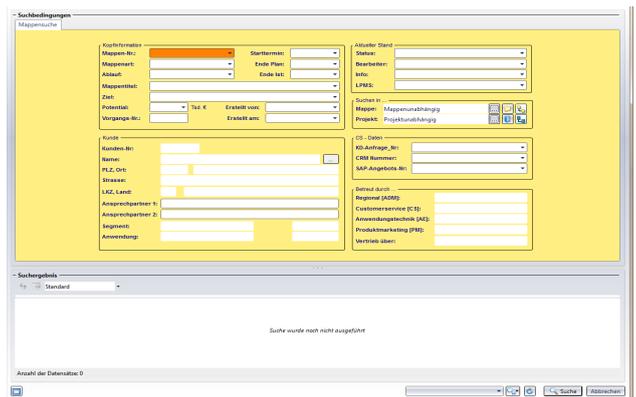


Image: Folder search in HELiOS (©Freudenberg Sealing Technologies GmbH)

“In the field of application development we create folders and articles in HELiOS and, in doing so, manage our documents. The application development department is in permanent contact with the lab, the quality assurance and the production. Although these processes are not visualized in HELiOS, inspection reports are stored and managed there.”

### Pro HELiOS: Data security and up-to-dateness

The security and the constant up-to-dateness of the



Image: FST Hamburg, aerial view. (©Freudenberg Sealing Technologies GmbH)

product data have also played an important role when the PDM system HELIOS was chosen. “Once released, a part must be effectively locked against changes. Also important is that the data are always kept current and can be viewed in a central data pool, as many different departments and colleagues work with the same data. By providing global access via the HELIOS Internet Server, the PDM system HELIOS offers an ideal platform for all kinds of requirements“, says Björn Quelle.

#### **Pro HELIOS: Excellent technical support**

The really excellent support hotline of the ISD, good accessibility of the staff and the fact that the ISD is a German software supplier were strong arguments for Björn Quelle to start cooperation: “The dealing with reported issues is very professional, as feedback comes quickly and all problems are tackled and solved at short notice.”

#### **Conclusion: Improved flow of information – no unexpected problems**

“It took our staff about half a year to familiarize themselves with the concept of drawing management. Mastering the folder concept took a little longer”, remembers Björn Quelle, praising the significantly improved flow of

information thanks to HELIOS: “The goals that we precisely formulated in the concept book could all be achieved, and processes could be significantly speeded up.” When asked to give a concrete example of a quantifiable optimisation, Björn Quelle explains: “The development of a feasibility workflow in HELIOS, and the associated reduction of working hours from 120 to 18, for instance, clearly shows the extent to which our work processes could be speeded up. However, one should not forget that the implementation of a PDM system requires support from all parties involved. Therefore, a clear commitment from the Management is very helpful here. Also, one has to keep in mind that PDM systems are – like any other IT applications – constantly evolving and therefore require maintenance.”

#### **On the way: Interface to SOLIDWORKS**

“Currently the creation of an interface between HELIOS and SOLIDWORKS is in full progress and will be finished soon, followed by corresponding training courses for the staff.” A task that can be realized without any problems, according to Michael Strucker, member of the management board of the ISD Group. As he pointed out in his speech on the occasion of the 40th company anniversa-



*“Currently 55 HELIOS Engineering licenses are in use at the FST, and every employee with a computer workstation has access to HELIOS.”*

*Björn Quelle, Interface Coordinator, FST Hamburg*

ry: “Customers choose us because they appreciate the cooperative partnership with our company, the short and direct ways of communication, and the fact that they can actively take part in the development of our solutions.”

#### Future projects:

“The topic of a SAP interface is also on our agenda, but does not take top priority at the moment”, explains Björn Quelle. “Also of interest would be an interface between the PDM system HELiOS and the existing CRM system. On a functional level, the possibility to change the attributes of multiple articles at once would be very useful, and it would also be great to have OCR text recognition.”

#### In brief:

- > Freudenberg Sealing Technologies GmbH/Hamburg
- > Industry: Mechanical engineering, machine building, tool making
- > Software: HiCAD, HELiOS, SolidWorks
- > Services: Development and production of seals and sealing systems
- > [www.fst.com](http://www.fst.com)



## Success requires a strong partner

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## Much more than just CAD and all from one single source!

The ISD Group – one of the leading suppliers of CAD and PDM/PLM-solutions – develops innovative software for the complete process chain. With the help of our software products HiCAD and HELiOS our customers can realize the most demanding engineering tasks throughout all fields of industry. We are not just software developer, but also dealer and service provider with a specialist team for consulting, installation, training, and hotline. We provide you with our complete service portfolio – perfectly harmonized and from one single source. Short ways of communication and direct, uncomplicated contact are a matter of course for us.