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## **Together with Semantic PDM, Graphileon implements a semantic product management solution for Hanning Elektro Werke.**

Hanning Elektro Werke GmbH is a globally operating specialist in the field of customer-specific systems used in moving, pumping, driving, ventilating and controlling. As a ISO 14001 certified company, Hanning ensures its compliance with relevant technical and statutory requirements for protecting the environment. This includes the management of and access to information with regard to the presence of chemical components in its products.

Together with consulting partner Dr. Andreas Weber (Semantic PDM), Graphileon's InterActor platform is used to provide a bespoke configuration for the management of requirements as well as component structures (versioned bills of material). The solution also provides overviews of items that require approval and a role-based approval workflow.

The corresponding data is stored in Neo4j, a graph database that offers the required flexibility with regard to modeling, as well as Cypher, a powerful query language. Graphileon InterActor offers an easy way to manage and visualize the data, as well as a visual environment to build dashboards and applications.

Dr. Andreas Weber :

*"The management of complex information, like a multi-layered bill of materials in combination with a multitude of requirements and approvals which are time-bound, requires a flexible database as well as a powerful tools to model and to query.*

*Graphileon InterActor, in combination with the Neo4j graph-database proved to be the right tool to rapidly develop a schema as well as a modular application. Graphileon's "the application is a graph" paradigm allows to deploy application modules rapidly while maintaining full transparency and flexibility. Data that is entered using the dynamic forms can also be "browsed" in a controlled way, which is crucial for customers to experience the full potential of a graph based solution. The Neo4j graph database and its Cypher language allow for fast retrieval of information, even when the datamodel is complex.*

### **About Semantic PDM**

Semantic PDM specializes in consulting and implementation of semantic product data management solutions for a variety of clients in the field of manufacturing, covering processes of product creation management, product development and supply chain optimization.

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### **About Graphileon**

Graphileon is the company behind InterActor, a development platform for highly interactive graph-based dashboards and applications. InterActor includes an enhanced Neo4j browser that offers advanced data management options, as well as a multitude of functions and user-interface widgets that can be visually connected to create applications. Graphileon is a solution partner of Neo4j Inc.

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