



## Hoesch decides on DENIOS systems containers for storing its hazardous materials

Since the construction of its new production facilities and necessary employee areas, *Hoesch Hohenlimburg GmbH* has stored its hazardous materials like fats and oils in DENIOS systems containers – in full compliance with government regulations. Hazardous materials were previously stored in an oil storage area that had to make way for the new construction.

Hoesch chose a DENIOS system to store its hazardous materials efficiently, safely and in full compliance with environmental protection laws. Moreover Hoesch's history of successful projects with DENIOS in the past played an important role in making this decision.



Delivering the systems containers.



Installation of the 3P814 with ready-mounted container cover. Construction of the complete storage container is carried out in two parts.

### The Challenge:

*Hoesch Hohenlimburg GmbH*, headquartered in Hagen, is a member of the Thyssen Krupp Steel AG Group. Hoesch Hohenlimburg GmbH specializes in medium-wide steel strip for customer specific applications. In 2007, with 900 employees the company achieved external sales of more than 680 million Euro; the export share amounted to 15%. Major export countries include Italy, France, Great Britain, Spain, USA, Sweden, Switzerland, Austria, Belgium, Portugal and the Czech Republic. The main customer sectors for Hoesch products are, e.g., the cold rolling industry, the automotive industry and its suppliers, the EBM, steel and construction industries.

With the construction of new premises for production and employee use, the old oil storage facility previously located at that site had to make way for the new. Consequently a new hazardous materials storage facility had to be built for those fats and oils.

These materials (maximum of 150 drums) were to be apportioned to two new storage locations and maintained in conformity with government regulations. The original plan envisioned an outdoor facility for 100 drums and a separate lockable system for storing an additional 50 drums. This new facility was to be integrated directly into the shop – in the “magazine” or storeroom – for the storage and distribution of working stocks. The possibility of quick access to the materials in this area was a primary requirement to ensure a smooth production process.

The obvious space restriction was a special challenge for the construction of the indoor installation.



Tailor-made combination for hazardous materials storage, created from two systems containers of the 3P814 and 3P414 types.

### **The Solution:**

Two decisive criteria played a role in the award of this contract: First, Hoesch Hohenlimburg had already had positive experiences in cooperations with DENIOS in the past. Second, DENIOS's competence in regard to the regulatory aspects of the assignment was a powerful factor – the developers' individual problem-solving approaches to the engineering challenges were all in full compliance with prevailing laws and regulations. After estimating the space requirements for the two storage areas – indoor and outdoor – that had been planned, the decision was made to integrate both storage systems into the warehouse area. The solution DENIOS presented was a custom-built combination of different systems containers. This consisted of two 3P814 systems containers with sliding doors and one 3P414 type systems container with hinged doors. The accessory equipment for this systems container was optimally adapted for the type of hazardous materials

to be stored and designed to be in compliance with specific storage regulations. Built-in spill sumps on the lower storage level ensure safe containment in the event of possible leakage of water-polluting liquids.

Custom fitted systems containers ensured the optimal utilization of the extremely limited space that was available.

### **Result and Application:**

With the construction of this storage system *Hoesch Hohenlimburg* gained an optimal indoor solution, tailor-made to meet the company's unique storage requirements – both space-saving and economical. The hazardous materials storage installation complies with the latest legislative requirements and makes a valuable contribution to environmental protection in the workplace.

### **DENIOS Ltd.**

Unit 1-3, Audley Ave. Enterprise Park  
GB-TF10 7DW NEWPORT-SHROPSHIRE  
Fon: (01952) 822241 · E-Mail: sales@denios.co.uk