

3 STRATEGIES FOR EFFICIENT HAZMAT STORAGE.

HOW YOU CAN CREATE MORE VALUE WITH HAZARDOUS MATERIAL DEPOTS.

Safety factors are always important when it comes to storage of hazardous substances. Following regulatory, legal and insurance-led guidance is vital. But, on top of this, the cost-effectiveness of the storage systems in place play a central role, they ensure the business is efficient and productive. Well planned, streamlined hazardous material storage can add value to everyday operations. DENIOS expert, Gertjan Frick, outlines three effective strategies that you can use to optimise your hazardous materials storage depots.



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OUR DENIOS EXPERT.

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This is not legal advice. The specialist information in this document has been compiled to the best of our knowledge and belief without any claim to completeness. and is intended to provide guidance on the subject. In specific cases, please contact your competent supervisory authority and observe the local and currently applicable legislation.



STRATEGY 1: REDUCE STORAGE SPACE AND GAIN PRODUCTION SPACE.



Using the available space you have within your business to best effect is important. You should dedicate the greatest amount of space to the most valuable use: active production. This means you need to ensure storage is as streamlined as possible. Using hazardous material depots that are suitable for outdoor use creates more room inside for value-adding activity.

WHERE ARE HAZARDOUS SUBSTANCES USUALLY STORED? ARE HAZARDOUS SUBSTANCES USUALLY STORED ON THE COMPANY PREMISES?

In a good 80% of cases, the storage of hazardous substances takes place within the company building. If there is no main area designated as a hazardous materials storage area, small quantities of large containers such as drums or IBCs are usually stored on bunds and spill pallets. From the point of view of hazardous substances legislation, this procedure is of course absolutely correct and compliant.

WHAT ECONOMIC DISADVANTAGES CAN ARISE FROM STORAGE INSIDE THE BUILDING?

Well, the goal of every business enterprise is to achieve a high value-added per square metre. In particular, if there is limited space in the business premises, potential value-added space should not be used for storage, but for production purposes.

ARE THERE ALTERNATIVE LOCATIONS FOR THE HAZARDOUS MATERIALS STORAGE?

The location of a hazardous materials storage facility outside can be a highly attractive alternative. Especially in the case of flammable liquids, outdoor storage is advantageous for other reasons as well, since the required fire protection conditions can be met more easily and cost-effectively by means of safety distances. If you want to store hazardous substances outdoors, however, there are some special features to consider: hazardous substances must be stored on a drip tray to contain leaks in an

emergency. However, conventional drip trays cannot simply be set up outdoors. For one thing, precipitation can get into the collection device. For another, there is a risk of access by unauthorised persons. You need a solution that ensures safe, legally compliant storage of hazardous substances and is suitable for outdoor installation conditions. This means that the solution must, for example, be weather-protected and lockable.

WHEN DO YOU RECOMMEND THE USE OF HAZARDOUS MATERIAL DEPOTS?

If only small numbers of large containers have to be stored, it may not be worthwhile to invest in a large-scale storage facility. In this case, hazardous material depots are the ideal solution. They are based on a collecting tray that fulfils all the requirements of the water requirements. In addition, hazardous material depots are available with a structure of walls, roof, lockable doors or roller shutters that protect the stored goods from the effects of precipitation and unauthorised access. Hazardous material depots are available from DENIOS made either of plastic or steel and offer space for up to 8 drums or up to 2 IBCs.



STRATEGY 2: SHORTEN TRAVEL DISTANCES AND WORK MORE EFFICIENTLY

The decentralised storage of hazardous substances in a DENIOS hazardous substance depot guarantees safe and very efficient and economical work in your company. You benefit from shorter walking distances and thus increased productivity.

ARE THERE OTHER STORAGE STRUCTURES WITH EFFICIENCY POTENTIAL?

Many companies store their hazardous substances in a central hazardous substances warehouse. This means that all hazardous substances are stored at a central location and transported from there to the respective locations as needed. As a rule, these storage structures have been common practice in the companies concerned for a long time. The central storage facility for hazardous substances has been set up once, sometimes with costly approval, and that is often all that remains of it. Even if there is still room for improvement in terms of economic efficiency.

WHAT ARE THE DISADVANTAGES OF CENTRALISED STORAGE OF HAZARDOUS SUBSTANCES IN TERMS OF COST-EFFICIENCY?

A purely centrally organised hazardous materials warehouse quickly has a negative impact on the efficiency of operational workflows and on internal logistics costs. Frequent internal journeys from the central hazardous materials warehouse to the work station and back cost time. Imagine the distance an employee has to travel to get from their workplace to the central hazardous materials warehouse and back again - several times a day if necessary. Searching for and assembling the containers needed for the day's requirements can also take some time. Depending on the size of the company, this can add up to quite a bit of travel time within the company.

WHAT ALTERNATIVE ORGANISATIONAL STRUCTURES CAN REMEDY THE SITUATION?

Decentralised storage near the workplace can reduce time-consuming transport routes and free up more time for value-adding activities. Here, too, it is important to note the special features of hazardous substances as stored goods. Within the workplace itself, you may only ever provide the quantity of hazardous substances required for the day's needs. Anything above this is considered storage and is subject to the regulations of TRGS 510. This

means that as soon as you want to keep more than the daily requirement near the workplace, you need a solution that meets all the legal requirements for safe hazardous substance storage.

WHEN DO YOU RECOMMEND THE USE OF HAZARDOUS MATERIAL DEPOTS?

Hazardous material depots are ideally suited for decentralised storage. Especially if you want to store larger containers such as drums or IBCs close to the workplace, hazardous material depots offer a capacity that meets your needs. This is a clear advantage over hazardous material cabinets, which are almost exclusively designed for small containers. Compared to drip trays, hazardous material depots offer the advantage that they are lockable, and thus also allow valuable operating materials to be stored under lock and key.

DOES DECENTRALISED HAZARDOUS MATERIALS STORAGE HAVE ANY OTHER ADVANTAGES?

Yes, absolutely. Decentralised storage of hazardous substances also reduces the safety risk to a considerable degree. Internal transport of hazardous substances as well as the storage and retrieval of the containers naturally increase the risk of accidents and risk of hazardous material leaks. If you reduce internal work journeys, you can effectively avoid potential sources of accidents. In addition, there may be other potential hazards that can be eliminated. In everyday working life we all tend to want to avoid frequent walking. With a central warehouse organisation employees tend to "hoard" hazardous substances at the workplace. As a result, the required and approved quantity for the day's requirements can quickly be exceeded. In other cases hazardous substances that are incompatible with each other end up stored together at the workplace. Another possibility is that at the end of the working day, leftover substances have to be returned to the warehouse. If they are then left unprotected this is dangerous and inadmissible. Decentralised storage of hazardous substances with DENIOS hazardous substance depots is advantageous for many reasons.

STRATEGY 3: GREATER FLEXIBILITY AND LOWER COSTS FOR SPARES



DENIOS hazardous material depots are the cost-effective and flexible alternative for expanding your storage capacities in an uncomplicated way. Since they are delivered assembled and the installation is simple, they can be used immediately.

WHAT ROLE DO CAPACITIES PLAY IN THE PROBLEMS WITH HAZARDOUS STORAGE?

It is a common problem that often hits warehouse managers: for example, issues caused by production peaks, increased purchases for commercial reasons, business changes, expansion, unstable supply chains, etc., the hazardous materials warehouse may no longer offer sufficient capacity. And although a fully occupied and efficiently used storage area is best in terms of storage costs, it can have a negative impact upon flexibility and responsiveness. In addition, "surplus" containers with hazardous substances must not be simply placed somewhere where there is room. It is imperative that storage facilities that comply with the law are available at all times.

WHY IS THE CREATION OF ADDITIONAL STORAGE SPACE NOT A TRIVIAL MATTER?

Hazardous material storage facilities are usually designed to provide a certain number of storage spaces for certain containers. The legally prescribed containment volume is also based on the quantity of stored goods. The warehouses were therefore originally designed and approved for specific quantities required. Increasing the storage density is then not an option. In other words, the operator cannot simply change the layout of the existing warehouse and simply place more hazardous substances in it. So, in order to create a legally compliant solution, they usually have to plan completely anew.

WILL HAZARDOUS SUBSTANCE DEPOTS WILL ALSO HELP?

Indeed! If new construction for a hazardous materials warehouse is out of the question or not yet worthwhile, hazardous materials depots are an extremely cost-effective and flexible alternative to warehouse expansion. The big advantage is that you need almost no lead time. Since hazardous material depots from DENIOS are delivered already assembled and installation is simple, they can be used immediately. In addition, you do not incur any major expenses for approval procedures with the authorities. Furthermore, afterwards the hazardous materials depot can be moved to another installation site by forklift truck and is adaptable for other uses.

FURTHER INFORMATION - LINKS.

HAZARDOUS MATERIAL DEPOTS FROM DENIOS: EFFICIENT, FLEXIBLE AND COST-EFFECTIVE.

DENIOS hazardous material storage facilities offer efficient protection in a compact space. Storage of hazardous substances in small containers, drums or IBCs. DENIOS hazardous material storage units are available in two versions, made of plastic (PolySafe) or steel (SteelSafe). Order now in the DENIOS online shop!

WWW.DENIOS.CO.UK/DEPOTS



OUR EXPERTISE IS PROVIDED FOR YOU COMPETENTLY AND FREE OF CHARGE.

Did you know that you can take advantage of our on-site advice on the subject of "hazardous materials storage"? Our specialist will come to your company, assess your problem and offer you a tailor-made solution. Contact us now and book an appointment!

WWW.DENIOS.CO.UK/ON-SITE-CONSULTATION



QUICK CHECK: ALL THE ADVANTAGES OF DECENTRALISED STORAGE.

Use our infographic to see clearly summarised all the savings potential and advantages of decentralised storage of hazardous substances: time saved, risk minimised, money saved! View and download now in the DENIOS magazine:

WWW.DENIOS.CO.UK/DECENTRALISED-STORAGE

