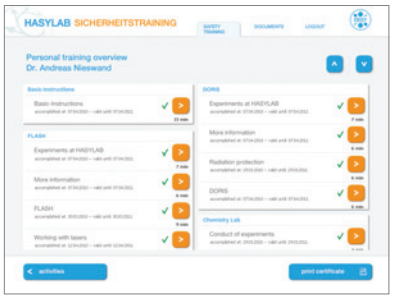
Individual multilingual training system

DESY is one of the world's leading centres for the investigation of the structure of matter. DESY develops, runs and uses accelerators and detectors for photon science and particle physics. DESY is a national research centre supported by public funds and member of the Helmholtz Association.

Challenge

On the DESY campus, more than 3,000 scientists from 45 nations do research each year in addition to the DESY staff. The international researchers and project groups conduct their experiments at different times of day and in various facilities and laboratories. Apart from lasers and radio-active substances, they bring a large variety of other dangerous substances and equipment. Therefore, it is very important to communicate up-to-date and easy-to-understand instructions and safety requirements.



"What's important to us is that we're able to enter and update the contents on our own."

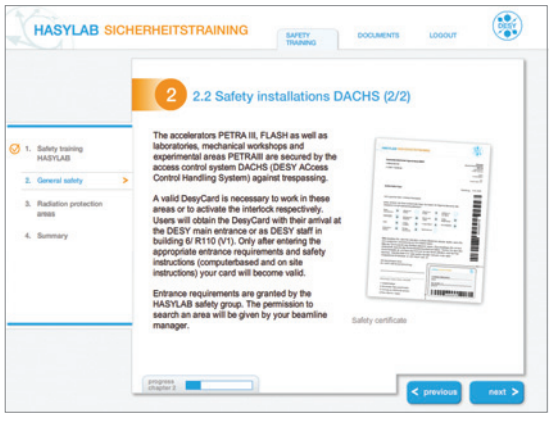
Sabine Lessmann-Bassen, DESY (HASYLAB)

The HASYLAB synchrotron radiation laboratory has been applying computer-based training (CBT) systems for some years already. The encapsulated system structure prevented independent maintenance and extension. Therefore, a solution was to be found in the context of a pilot project which enabled independent maintenance with a high degree of flexibility. The requirement was that the desired system would not entail subscription or consequential costs.

Solution

HASYLAB made a decision in favour of the ASIP Interactive Safety Portal. All training contents are available in several languages and can be transferred module by module. The individual training sections are organised in an activity-related manner and combined in modules. All texts, images, videos etc. can be edited independently with the help of the authoring CMS. Moreover, the existing user administration was integrated by means of a REST interface.

Conclusion



All information and safety instructions are given already prior to the start of the experiments. Scheduled projects and research groups can complete the web-based training courses already in their home country. Effectiveness is proven and documented with a certificate after individual tests have been passed. Dedicated training personnel is not required. Occupational health and safety is focused on its consulting and controlling function.

The pilot project has been completed successfully. Other laboratories and institutes will be integrated into the existing system step by step.

- **Independent maintainability and expandability by means of authoring system**
- **Optimal didactic and methodical teaching with an appealing design**
- **Subject-specific check of knowledge**
- **Linkable with existing user administration / access control systems**
- **Subsidized by Unfallkasse Nord**

The ASIP Interactive Safety Portal provides efficient location-specific safety training and can be used online or on site. The certified instruction process improves safety standards, releases manpower resources and provides more legal certainty with regard to questions of legal liability.

ASIP is a product of ATO interactive GmbH, the specialists for innovative e-learning systems.
ATO has more than twelve years of experience in the most varied industries. Mercedes-Benz, Lürssen, Brunel, swb AG, Airport Bremen, DESY and many more are among the satisfied customers.

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