

Cytec Industries

Transform a manual document control system to a highly collaborative, export controlled, document sharing system for employees, customers, and partners.



SUMMARY

Cytec Industries is a leading specialty chemicals and materials company, offering solutions that perform specific and important functions in the finished products of its global customers. Cytec's Engineered Materials Division provides advanced materials for military applications. The special formula and production process for such materials are subject to export control under the International Traffic in Arms Regulations (ITAR) and Export Administration Regulations (EAR). Cytec uses a labor-intensive, manual document control system to comply with these regulations. As the business in materials for military applications grows rapidly,

Cytec Industries needs a more scalable solution that not only restricts access to foreign nationals but also allows its engineers to easily collaborate internally and externally with its customers. Cytec Industries chooses NextLabs Export Control for Technical Data solution to modernize its document collaboration system with controls and audits to prevent deemed export of technical data.

INDUSTRY

Chemical and Material Manufacturing

CUSTOMER

Cytec Industries
Engineered Materials Division

ENVIRONMENT

Microsoft SharePoint server farm for internal and external collaboration replacing traditional file servers and room full of file cabinets

CHALLENGE

The need to replace a manual document control system with Microsoft SharePoint collaboration, but it must comply with ITAR and EAR for deemed export of technical data

- How do you prevent access by non-U.S foreign nationals and access from foreign countries?
- How do you prevent technical data loss through printing, file sharing, e-mail, and removable USB devices?

SOLUTION

NextLabs Export Control for Technical Data

- Prevent access, based on user identity and device location
- Prevent data loss with access and use control
- Protect lost data with encryption
- Monitor activities with real-time reporting and auditing

"It's easy to just replace the manual document control system with a new collaboration system like Microsoft SharePoint. But our biggest concern is export control of technical data. We have to demonstrate that we not only restrict access to all foreign nationals but also prevent certified individuals from sharing data with them. We couldn't rollout Microsoft SharePoint until we had NextLabs' solution to comply with ITAR and EAR."

Compliance Officer, Cytec Industries

THE CHALLENGE

Cytec Industries' Engineered Material Division controls access of export controlled technical data, such as material composition and specification documents, in locked file cabinets. A Quality Officer determines who is allowed to have a copy of a document, then manually copies it and logs the checked-out document for compliance auditing purposes. While this manual control process helps Cytec Industries comply with export control regulations and prevent costly fines, it is labor-intensive and extremely inefficient to work with customers and collaborate with colleagues. The division's Compliance Office realizes that the business needs a more scalable document collaboration system to share technical data; but it knows it must still comply with ITAR and EAR's deemed export requirements.

The compliance team identifies the following requirements for technical data deemed for export control:

- Restrict all non-U.S., foreign nationals from accessing technical data
- Allow only trained and certified individuals to access technical data
- Prevent certified individuals from accessing technical data from outside the U.S.
- Prevent certified individuals from copying, printing, sharing, or distributing technical data
- Track access by authorized users under Technical Assistance Agreement (TAA) or Manufacturing License Agreement (MLA)

THE SOLUTION

The team chooses the NextLabs Export Control for Technical Data solution because it is the only identity-based solution that recognizes non-U.S. persons, as well as certified individuals, to control access and protect technical data in accordance with ITAR and EAR.

The team is finally able to replace the manual document control system with export-controlled Microsoft SharePoint document collaboration. Cytec Industries uses NextLabs Microsoft SharePoint Policy Adapter, Windows Desktop Enforcer, and Outlook Enforcer to:

- Prevent unauthorized access to the export-controlled Microsoft SharePoint subsite by non-U.S. foreign nationals
- Tag all documents uploaded to the subsite as technical data deemed for export control
- Allow only certified individuals to download and edit technical data, enabling authorized engineers to collaborate
- Require all downloaded technical data to be saved in a controlled location and automatically encrypt it with users' private keys, protecting it from loss
- Allow technical data to be uploaded only to the controlled subsite, enabling collaboration and preventing data loss through common uploading mistakes
- Prevent sharing of technical data, including printing, copying to USB devices, e-mailing, instant messaging, or uploading to FTP, Web or remote file servers
- Prevent access to the subsite when a user is accessing from outside the U.S.
- Monitor and log activities and display real-time reports for forensic investigation and compliance audits, including audits for authorized access under TAA/MLA.

Cytec Industries' compliance team deployed the solution rapidly and successfully to enhance collaboration while complying with ITAR and EAR requirements for deemed exportation of technical data.

ABOUT NEXTLABS

NextLabs®, Inc. provides data-centric security software to protect business critical data and applications. Our patented dynamic authorization technology and industry leading attribute-based policy platform helps enterprises identify and protect sensitive data, monitor and control access to the data, and prevent regulatory violations – whether in the cloud or on premises. The software automates enforcement of security controls and compliance policies to enable secure information sharing across the extended enterprise. NextLabs has some of the largest global enterprises as customers and has strategic relationships with industry leaders such as SAP, Siemens, Microsoft, and IBM. For more information on NextLabs, please visit <http://www.nextlabs.com>.