SECUDE

Safely Embrace Digital Transformation and Protect Your IP with HALOCAD

SAP® Certified
Integration with SAP® S/4HANA

Member of
Microsoft Intelligent Security Association
Microsoft

ptc

SIEMENS
Ingenuity for life

Why should we protect CAD files?

The research and product design departments in the manufacturing industry set to embrace digital transformation are more prone to cyberattacks.

Information is exchanged as data flows from machines and factory floor to the cloud and inadequately protected networks, processes, and data pose a huge threat to the business.

IP is the most important critical resource of any business and these industries use drawings, illustrations, designs, specifications, blueprints, prototype creatives, and models that are generated as CAD (Computer-Aided Design) files.

In this digital age where there is so much exchange of information, IP theft can have a disastrous effect leading to lost product sales, lost market share, and reduced margins.

While organizations find it easy to outsource design, they find it extremely difficult to share in a restricted manner, highly confidential design data across suppliers.

The 3D models and 2D drawings shared with suppliers are a valuable source of information for competitors. While employees are the greatest asset, they can also be its greatest liability.

> " *According to IDC, by 2025 the worldwide data will grow 61% to 175 Zettabytes. Industrial design data is highly valuable and is categorized as Intellectual Property (IP).* "

> " *Statisticians say that the annual IP losses for the U.S. alone are between $10 billion and $12 billion from cybercrime targeting IP and perhaps $50 billion to $60 billion globally.* "

To meet these challenges:

Engineering R&D Head

What must the cyber committed Engineering R&D Head do?

1. Make data security a high priority and broadcast within the R&D department
2. Involve Information Security Officer and drive for budget allocation
3. Formulate a data security strategy that embraces Zero Trust Model.

Outsourcing Manager
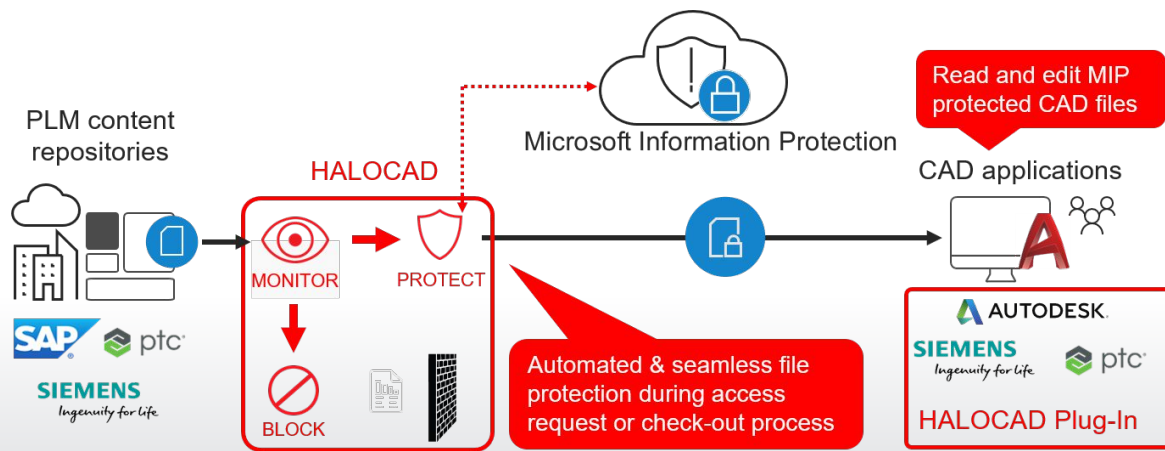
What must the outsourcing manager do?

1. Evolve a workable solution based on the organization's data security strategy
2. Facilitate and implement a 360° view of holistic data encryption strategy
3. Protect design data when collaborating with third-party vendors and partners.

Secude's HALOCAD is the only Data Security Solution that protects CAD files in SAP, PLM & NATIVE Environments

HALOCAD enforces data security for CAD applications. HALOCAD leverages MIP (Microsoft Information Protection) as the industry standard for Information Rights Management and uses strong encryption to protect native CAD files.

Besides, it preserves existing engineering workflows as it integrates the file protection capabilities seamlessly into CAD applications.

In a native environment, encryption of CAD files including MIP label handling and privilege enforcement, CAD users will not notice any difference in the handling of CAD files.

Protected files can only be opened and modified by authorized users. Thus protection continues to remain even when the file is accessed by multiple users.

Read and edit MIP protected CAD files

Automated & seamless file protection during access request or check-out process

SECUDE Offerings

HALOCAD®
Plug-in for <CAD Application>

This is the plug-in for the corresponding CAD App which can be downloaded from the MS store. It can be used standalone or in combination with HALOCAD® for PLM. The HALOCAD® plug-in can read protected files, enforce the corresponding privileges, and change MIP labels.

HALOCAD®
for <PLM Solution>

This is the integration with the corresponding PLM solution, containing the functionality of HALOCAD® PROTECT. Files are automatically protected during the access/download or checkout process (preserving the original file type extension), unprotected, and then imported into the PLM Vault during the upload/check-in process.

HALOCAD® Reader
Plug-in for <CAD Application>

This is the standalone plug-in for the corresponding CAD App which can be downloaded from the MS store and from our website. HALOCAD® can read protected files and always enforce "read-only" privileges. Labels can't be set or changed.

Key Differentiators - Business Benefits

Unified encryption strategy using MIP
HALOCAD enables the data security enforcement for CAD applications as part of an Enterprise Digital Rights Management approach based on unified encryption strategy using MIP.

360° Holistic View
Enables CIOs to have a 360° view of holistic encryption strategy using MIP and integrating it into SAP, CAD & PLM environments.

Secure Backup
Upfront encryption in the content server is not required for this and thus there is always an unencrypted master file in the secured content server available.

Leverages existing MIP at customer location
MIP solution is a part of the Office 365 bundle suite and does not require additional effort to upgrade/maintain the rights engine.

Protects CAD files beyond the IT landscape (Native environment)
HALOCAD operates as a standalone solution for customers who do not store their CAD files in SAP or PLM. In such cases, it enables CAD to use MIP directly in setting, editing, and protecting the files.
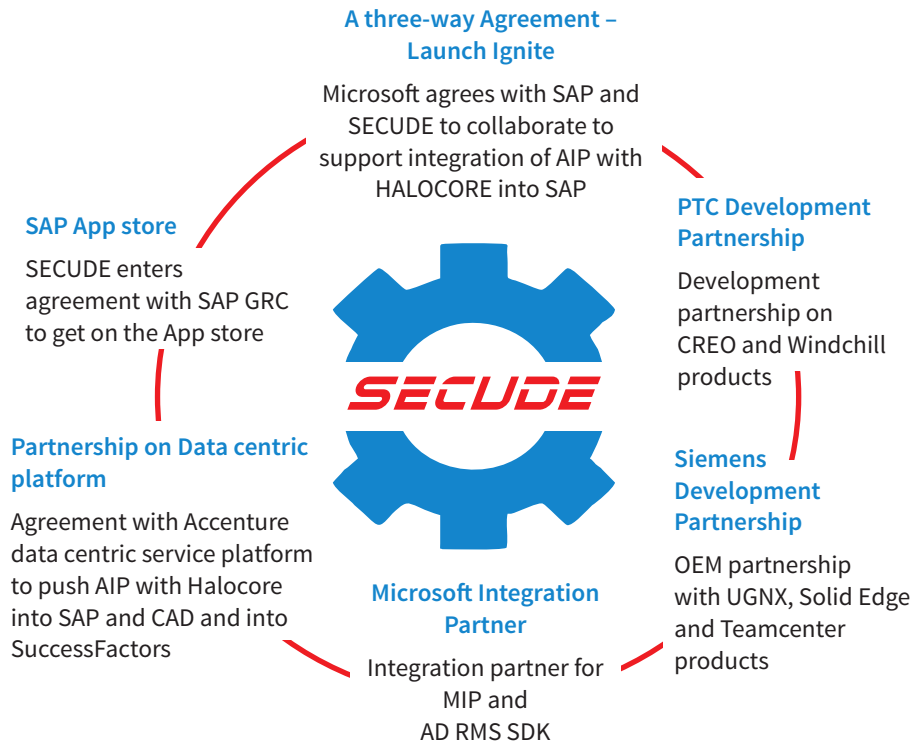
CAD Application Coverage
- AutoDesk Inventor/AutoCAD
- PTC Creo
- Siemens NX, SolidEdge
- Bentley MicroStation (Planned)
- Dassault CATIA, SolidWorks (Planned)

PLM Application Coverage
- PTC Windchill
- Siemens Teamcenter
- SAP PLM
- Bentley ProjectWise (Planned)
- Dassault Enovia (Planned)

Why SECUDE

A three-way Agreement – Launch Ignite

Microsoft agrees with SAP and SECUDE to collaborate to support integration of AIP with HALOCORE into SAP

SAP App store

SECUDE enters agreement with SAP GRC to get on the App store

Partnership on Data centric platform

Agreement with Accenture data centric service platform to push AIP with Halocore into SAP and CAD and into SuccessFactors

Microsoft Integration Partner

Integration partner for MIP and AD RMS SDK

PTC Development Partnership

Development partnership on CREO and Windchill products

Siemens Development Partnership

OEM partnership with UGNX, Solid Edge and Teamcenter products

Supported File Formats

Supported file applications

MS Office (doc, docx, ppt, pptx, xls, xlsx)
Adobe (pdf) Siemens NX (prt)
Siemens Solid Edge (par, asm)
AutoCAD (dwg, dxf)
Inventor (ipt, iam, idw, ipn)
Creo (prt, asm, drw, frm, mfg, sec, lay)

Controls

Access control (view, edit)
Usage control (print, save, save as, copy/paste, screen capture with snipping tool, copy to clipboard)
Dynamic watermarks

About SECUDE

SECUDE is an established global security solutions provider offering innovative IT data protection for users of SAP software.

Founded as a joint venture between SAP and Fraunhofer Institute in 1996, SECUDE maintained a close SAP technology partnership and became a reliable resource for security solutions for the SAP market with 'Single Sign-On' for SAP, which was acquired by SAP in 2011. With a focus on making business process for data protection efficient and automated with little or no user interference, SECUDE's goal is to provide ease of use while minimizing cost of rollout and operations.

Leveraging its 20-plus years of experience in SAP security and business process know-how in protecting enterprise IP and data, SECUDE launched HALOCORE® as a holistic approach to protect SAP data exports. In 2019, SECUDE launched HALOCAD® to protect invaluable IP in the form of CAD files in SAP and non-SAP environments.

SECUDE's solutions are trusted by many Fortune 500 and DAX listed companies. With branches in Europe, North America and Asia, SECUDE supports customers with the implementation of IT security strategies through a global network. For more information, visit www.secude.com and follow our social media channels: LinkedIn, Twitter, and YouTube.

For more information please visit **www.secude.com** or write to us directly at **contact@secude.com**