

Corporate CAD Harmonization for High-Precision Engineering Case Study

GoToInventor supports fully-featured CAD conversion for consumer products



GoToInventor is based on ITI's Proficiency software technology, offering feature-based conversion that enables the transfer of complete design intelligence from major CAD systems to Inventor with up to 100% automation and enhanced efficiency.

By providing fully functional models that retain the original product knowledge in Inventor, GoToInventor maximizes CAD data re-use and offers a reliable basis for further product design and development.

Geometry, features, history, sketch relations, manufacturing information, metadata and assembly information seamlessly transfer to Inventor.

GoToInventor supports 2D drawing creation in the automated conversion process.



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Challenge

A European manufacturer delivering high-precision engineered consumer products implemented a PDM Migration to Autodesk Vault. This migration required that divisions of the company using SOLIDWORKS convert their data to Autodesk Inventor. The ability to re-use the SOLIDWORKS data in Inventor and minimizing any work stoppage during the migration process were key concerns for the client.

Solution

ITI and the client successfully executed a GoToInventor pilot project. Then the client engaged ITI to implement a GoToInventor production solution.

ITI remotely executed the conversion of 30,000 SOLIDWORKS objects to Inventor in less than three weeks. GoToInventor automated the renaming and attribute mapping process, saving a tremendous amount of time in the migration to Vault.

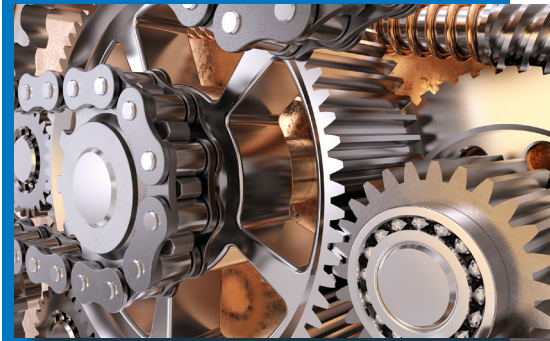
As the client's design process continued during the project, ITI executed an additional conversion of active design data that changed during the initial conversion. This staged approach ensured there was no work stoppage.

Result

In addition to significant times savings, the customer realized up to 70% project cost savings through the automated conversion, yielding reusable design data versus the alternative of manually remastering the legacy data. Implementing a unified CAD environment also provided savings with their CAD licensing and maintenance. The client executed a highly efficient PDM migration with minimal business disruption, enabling the designers to focus on new product innovation with Inventor.

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GoToInventor ensures the timely, automated conversion of fully-featured CAD models from SOLIDWORKS to Inventor.



"At Autodesk interoperability and openness is the heart of our DNA.

Together with ITI's extensive know-how, solutions and proven track record, we can offer interoperability that transfers customer assets at an even higher level of data intelligence, in an automated way.

This frees up engineering capacity toward new projects, offers better reuse of existing modularization assets, and accelerates corporate harmonization initiatives."

- Karl Osti, Autodesk



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