

## Key Features

- Documents are made available to users outside of Engineering
- Documents are rendered and archived into more accessible formats such as PDF, TIFF, DWF and more
- Documents are published to other locations and systems such as document management systems
- Documents are made available for approval and review processes
- Approved, released and as-built documents are available to collaboration partners at the right time and via the preferred medium

## Key Benefits

- Automated information exchange processes
- Shorter turnaround times
- Improved reliability
- Better protection of intellectual property
- More efficiency
- Cost reduction

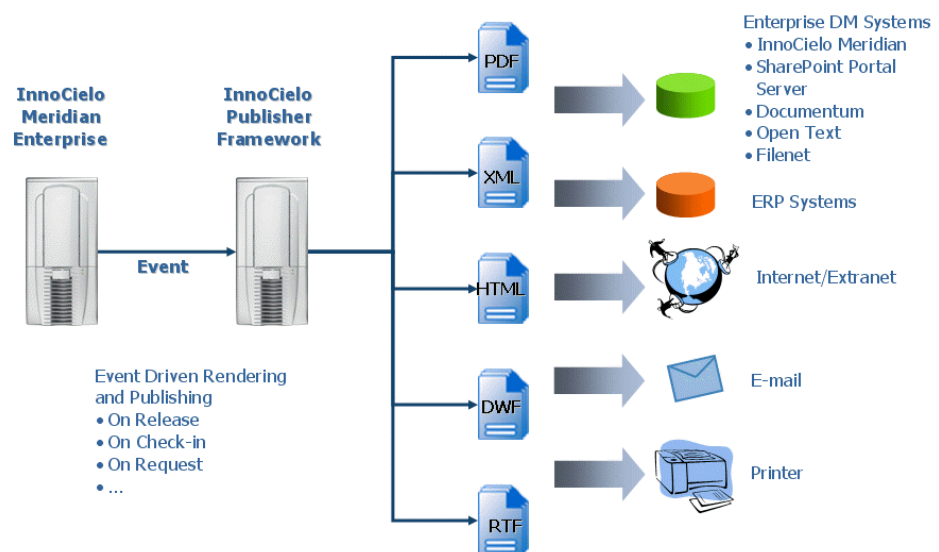
## Information Sharing versus Intellectual Property

Engineering content is in continuous change. Drawings, data, technical asset information, related files and other documents are created, updated, reviewed, released, revised and archived. At certain points in their lifecycle engineering documents must be handed over to other departments within the organization, or stakeholders outside the organization. In many companies this is a cumbersome, manual or unstructured process.

In the publishing process, engineering documents are converted into readable formats, replacing outdated copies and stored in systems where other people can find and access the information. The InnoCielo Publisher makes it possible to automate such rendering and publishing processes, triggered by predefined document lifecycle events or on an ad-hoc basis.

## Solution Overview

InnoCielo Publisher adds value to situations where engineering data managed by InnoCielo Meridian must be published in document management systems or on the internet. In this process, documents may have to be rendered to more accessible formats like Adobe PDF or Autodesk DWF.



### Rendering modules

- AutoCAD to PDF
- AutoCAD DWF Publish
- Inventor to PDF
- MS Office to PDF
- Default Printer Driver
- Others as Service

### Publishing modules

- InnoCielo Meridian Vault
- Windows File System
- SmartZIP
- Others as Service

Common reasons for rendering engineering documents are:

- Easy viewing: the viewers of the native CAD format are often cumbersome, expensive or too complex to use
- Protection of intellectual property: in cases where the source format should not be provided to certain users (e.g. external parties)
- Protection of content: in cases where document content should not be modifiable
- Continuity: in cases where the document content must remain accessible in the future, even if the original authoring tools and formats are upgraded or retired

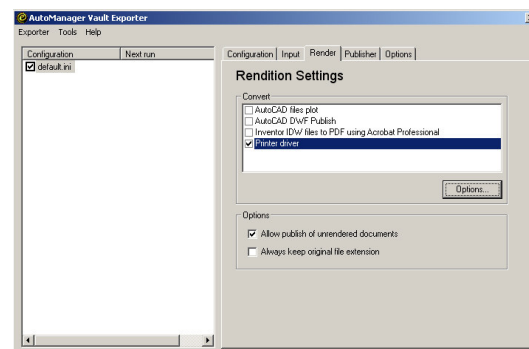
The InnoCielo Publisher adds the capability to automate the rendering process, and the capability to publish to other environments, such as document management systems and the internet. BlueCielo offers you two versions:

1. The InnoCielo Publisher, which supports standard render and publishing modules;
2. The InnoCielo Publisher Framework, which also supports customizable render and publishing modules.

### InnoCielo Publisher 2007a

InnoCielo Publisher 2007a is the latest version of the Publisher. Its main features are automated rendering and publishing of documents.

InnoCielo Publisher 2007a supports the following standard rendering modules:



- AutoCAD Plot Driver to PDF
- AutoCAD DWF Publish
- Inventor to PDF
- MS Office to PDF
- Default Printer Driver

Available as Professional Service

- Inventor to Streamline
- SolidWorks eDrawings
- Thumbnail

- **Native AutoCAD rendering:** With this module InnoCielo Publisher 2007a will render AutoCAD files to PDF, DWF or to multi-sheet DWF formats using native AutoCAD plot functionality.
- **Native Autodesk Inventor rendering:** With this module InnoCielo Publisher 2007a renders Autodesk Inventor files to PDF using native Autodesk Inventor print functionality.
- **Native MS Office rendering:** With this module InnoCielo Publisher 2007a renders MS Office formats such as Word, Excel, Power Point and Visio files to Adobe PDF format. It provides advanced features such as the handling of embedded macros and multi-page/multi-sheet files, and the consolidation of multi-page/multi-sheet Excel, PowerPoint and Visio files into a single PDF.
- **Default Printer Driver:** With this module InnoCielo Publisher 2007a will render any format files for which a default printer driver is available.

InnoCielo Publisher 2007a supports the following standard publishing modules:

- InnoCielo Meridian Vault
- Windows File System
- SmartZIP

### InnoCielo Publisher Framework 2007a

Specific rendering and publishing needs can be implemented with the InnoCielo Publisher Framework 2007a. It supports all of the standard rendering and publishing modules supported by the InnoCielo Publisher 2007a. In addition, it is possible to develop custom rendering and publishing modules by BlueCielo Professional Services or a Certified BlueCielo Partner.

A requirements analysis will determine what functionality can be provided out-of-the-box or with simple configuration, and what functionality can be achieved by additional customization. The customer then decides how much customization is desired.

### Business Benefits

InnoCielo Publisher makes it possible to efficiently meet the challenges of a complex, global, information exchange at any time throughout the lifecycle of a product, asset or facility.

InnoCielo Publisher Framework is a key component when engineering content and documents must be made available to non-engineering users, or to engineering users for review purposes. It facilitates automated and timely availability of rendered documents in other systems such as Documentum, FileNet, Livelink, SharePoint, Autodesk Streamline, Lotus Notes, web portals or email.

### InnoCielo Publisher Case Studies

The InnoCielo Publisher is used together with InnoCielo Meridian Enterprise by companies such as Areva T&D Systems, Huntsman, Johnson Controls, Pfizer and Siemens in energy, utilities, manufacturing, oil and gas, petrochemical, life science and other vertical markets.

"InnoCielo Publisher is a useful extension to InnoCielo Meridian Enterprise which we currently use to manage about 280,000 technical documents. InnoCielo Publisher provides us with a standard approach to the high volume printing of our project documentation and integrates with our system to produce neutral PDFs for easy distribution," comments Alan Painter, business manager – secondary systems of AREVA T&D Systems, an industry leader in solutions for energy transmission and distribution. "With InnoCielo Meridian Enterprise at the front end, InnoCielo Publisher operates invisibly in the background and sends our publishing requirements to our servers in a wholly automated process, cutting out the need for manual, time-consuming effort."

"InnoCielo Publisher and InnoCielo Publisher Framework make it much easier for organizations to distribute information to departments outside of Engineering in neutral, accessible file formats. Approved documents are also available to collaboration partners at the right time through the right medium," adds Martijn Janmaat, BlueCielo president and CEO. "With the entire information exchange process being automated, companies will experience benefits such as shorter turnaround times, greater efficiency and better protection of their intellectual property if external parties are involved."