

IDS BIM - Information Delivery Specification



The IDS (Information Delivery Specification) standard allows optimal management of the information exchange in BIM projects.

With usBIM.IDS designers and buyers can take full advantage of this powerful standard and work much faster and smarter.

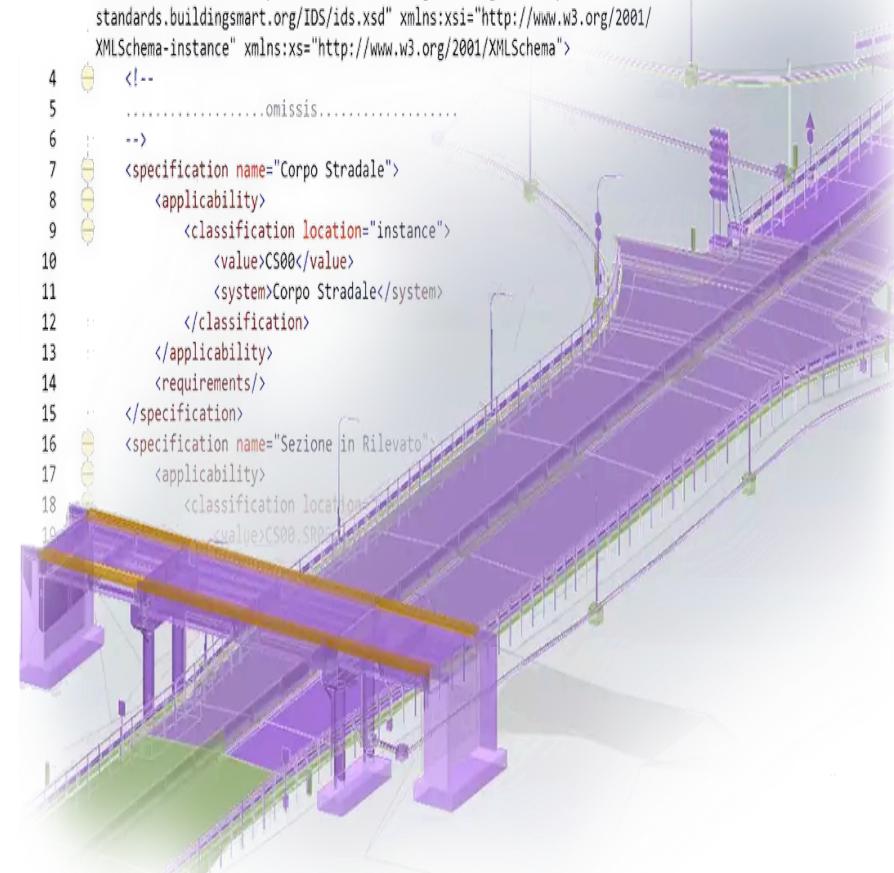
Use IDS editor for free (<https://cloud.usbim.com/login>)

Try IDS validator for free (/en/usbim-store?app=ids-usbim-com)

Activate your 3 months free trial from usBIM store!

Get free access to a complete range of online software and 10 GB cloud storage

```
1  <?xml version="1.0" encoding="UTF-8"?>
2
3  <ids> xmlns="http://standards.buildingsmart.org/IDS"
4    xsi:schemaLocation="http://standards.buildingsmart.org/IDS http://
5    standards.buildingsmart.org/IDS/ids.xsd" xmlns:xsi="http://www.w3.org/2001/
6    XMLSchema-instance" xmlns:xs="http://www.w3.org/2001/XMLSchema">
7    <!--
8      ....omissis...
9    -->
10   <specification name="Corpo Stradale">
11     <applicability>
12       <classification location="instance">
13         <value>CS00</value>
14         <system>Corpo Stradale</system>
15       </classification>
16     </applicability>
17     <requirements/>
18   </specification>
19   <specification name="Sezione in Rilevato">
20     <applicability>
21       <classification location="instance">
22         <value>CS00.SRD</value>
23       </classification>
24     </applicability>
25   </specification>
26 </ids>
```



usBIM.IDS is the easiest and most efficient way to manage information exchanges in openBIM processes

Manage predictable and reliable data exchange flows, increase performance and reduce errors caused by poor communication



usBIM.IDS editor

Create the IDS document with all the informational specifications



usBIM.IDS

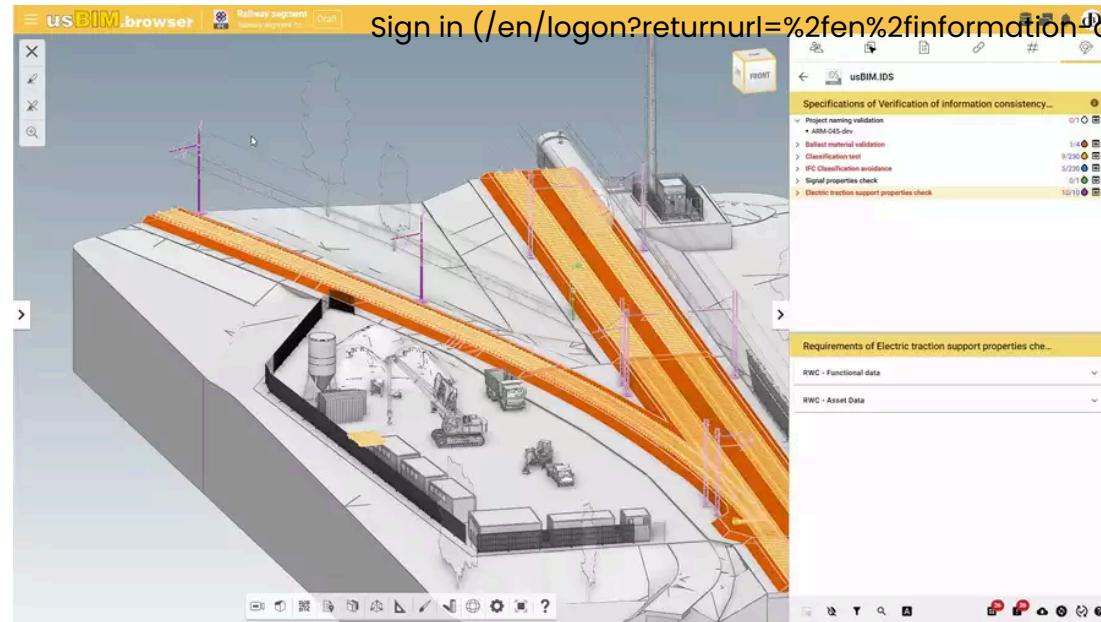
Validates datasets delivered in IDS standard format



usBIM.IDS agent

Validates the Exchange Information Requirements in batch process mode

Use it for free forever (<https://cloud.usbim.com/togirfjfee>) or for 3 months (</en/usbim-store?app=idseditor>) or 1 year (</en/usbim-store?app=idssagent>)





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An IDS editor to define Exchange Information Requirements and manage simple, accurate and reliable information exchanges

In a BIM order, the information package that accompanies the model is outlined by the client, who is responsible for defining, upstream of the design of a project, what information is useful, how it should be exchanged and when this should take place.

With the IDS editor of usBIM.IDS you can create the document in which all the information delivery specifications are defined and easily transform it into a standard IDS file to be used in the modeling and validation phases of IFC models.

Using an IDS file makes client, modeler, and validator exchange workflows much easier, more accurate, and more reliable.

An IDS document allows the client to explain in what form and which rules the data related to the openBIM IFC model must comply.

Ultimately, thanks to usBIM.IDS the customer can enjoy all the advantages offered by the IDS format and can:

- ✓ define the information specifications in an intelligible way by operators and software structures;
- ✓ enter all the information useful to facilitate the understanding of your request;
- ✓ generate an output related to the IFC model to allow automatic validation of the model with respect to the requirements.

Use it for free (<https://cloud.usbim.com/login>)

Discover how to create IDS (<https://cloud.usbim.com/login>) in usBIM

Ask for more information (/en/contact)





verify the quality of the IFC files delivered by the modeler

Data validation workflow without the IDS format, is completely left to the validator's interpretation of reference specifications. This means that it becomes difficult to achieve good results despite the use of multiple resources.

With the IDS everything becomes easier because the validator is given:

- ✓ model IFC files created by the modeler complete with geometry and data;
- ✓ IDS files compiled by the client that can be directly interpreted by the computer.

With the IDS validator of usBIM.IDS you can check the quality of IFC files delivered quickly and easily:

- ✓ import the IFC file to validate, or federate multiple IFC files if necessary;
- ✓ select the IDS file;
- ✓ verify all requirements specified in the IDS file and validate the IFC file.

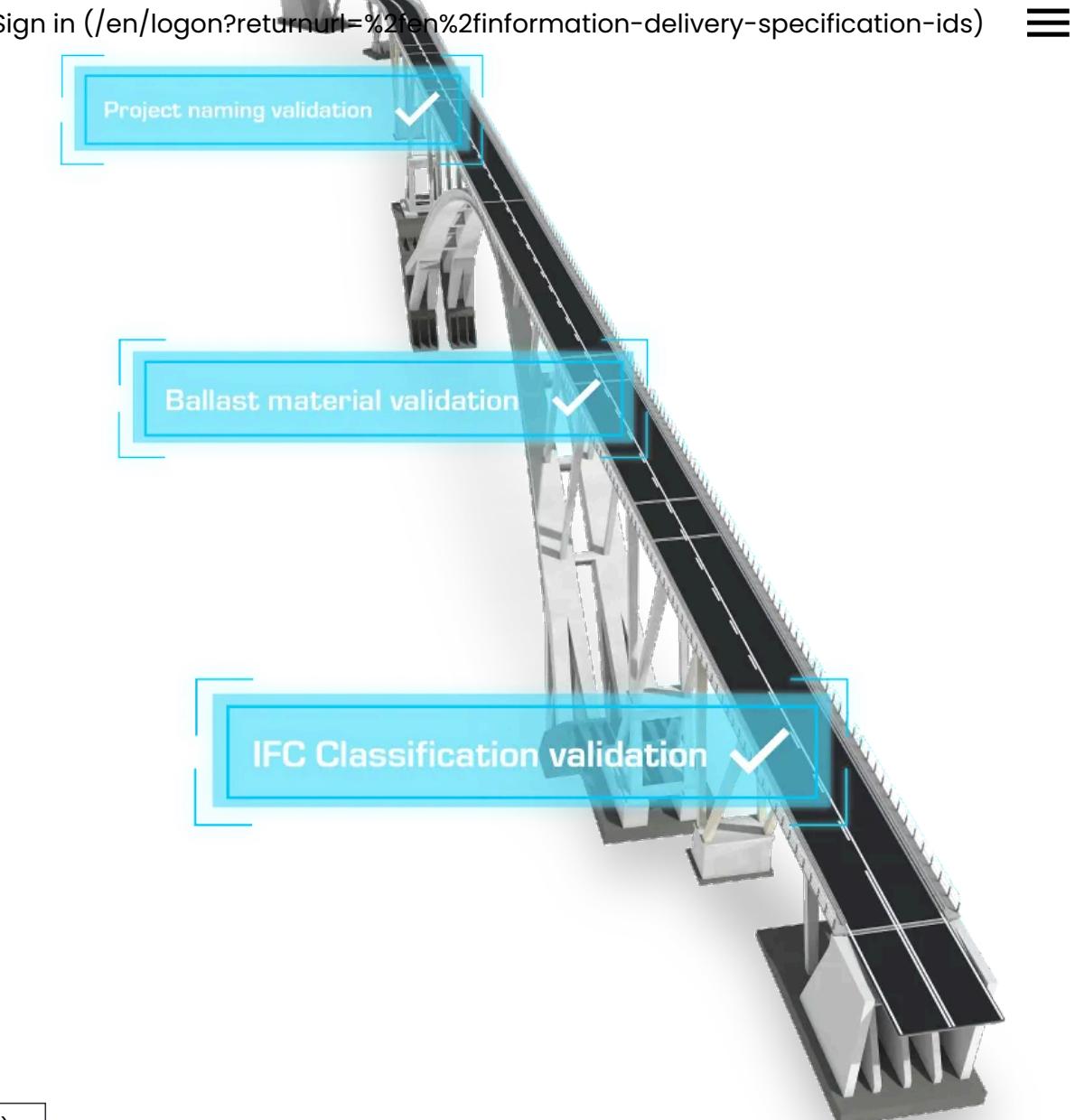
Invalid IFC elements of the project are flagged with a red symbol (this may indicate, for example, an invalid ifc class, a missing required property, or a non-compliant value), and the IFC element is also flagged on the model.

You can monitor all the reports found on specific dashboards with reports and statistics. You can also export reports in csv, xlsx, or bcf format for further use.

Try it for free for 3 months (</en/usbim-store?app=ids-usbim-com>)

Discover all the advantages of the Information Delivery Specification BIM
(/en/usbim-store?app=ids-usbim-com) integrated in usBIM

[COOKIE SETTINGS](#)



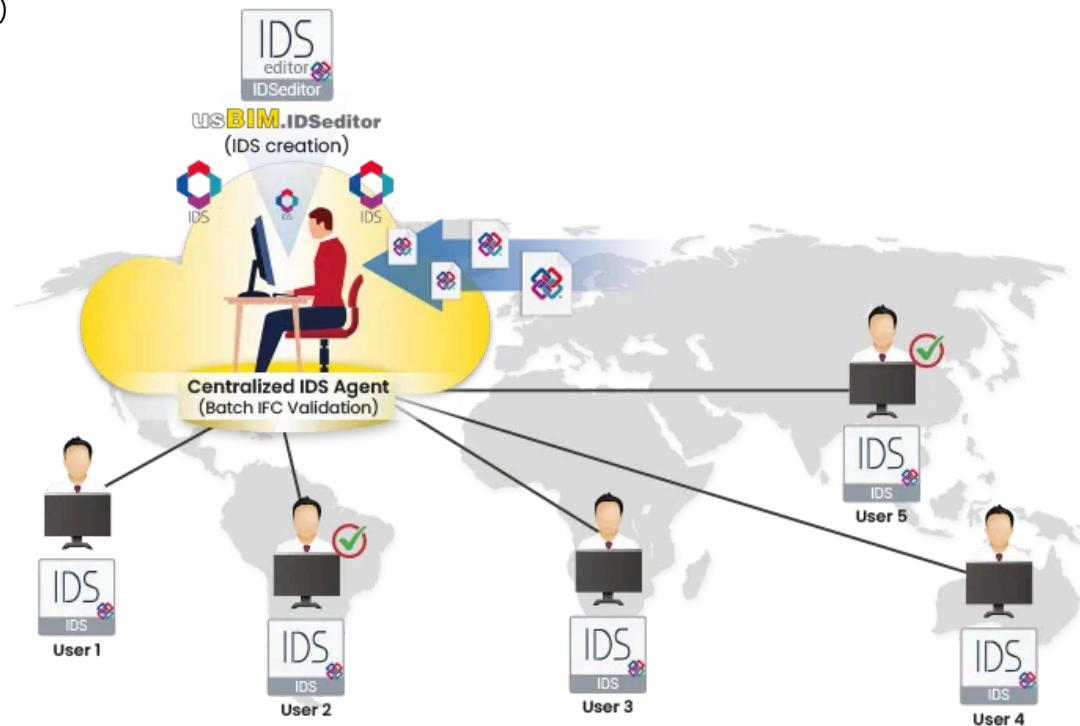
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usBIM.IDSagent

Speed up your IFC validation workflows with an IDS agent for seamless batch validation of Exchange Information Requirements (EIR) (or LOIN) in IFC files



The management and validation of information requirements (Exchange Information Requirements – EIR), today identified as LOIN (Level of Information Need), represent a fundamental step to guarantee quality, consistency and conformity of IFC models in BIM processes.

usBIM.IDSagent is a powerful web application that allows automatic validation, even in batch mode, of IFC files according to the IDS (Information Delivery Specification) standard defined by buildingSMART International.

In practice, you can configure the validation of an IFC file, with one or more IDS files in automated mode. The system will automatically perform the validation and produce the result directly on the IFC file.

A console allows you to monitor the status of the programmed automations.

- Advanced functionality, intuitive usability
- Complete, transparent and traceable control
- Standards-compliant solution designed for teamwork

usBIM.IDSagent is an optional and additional module for usBIM.IDS

Contact us if you're interested in integrating it into usBIM.IDS

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ACCA SOFTWARE

(/en/) Watch the video
(/en/)

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Workflow without usBIM.IDS

- ✗ Information specifications provided through a document in XLSX format. DOCX, PDF, etc. and therefore to be interpreted by the modeler and validator
- ✗ High possibility of errors and unreliable results due to the free interpretation of information requests
- ✗ Long processing times during the modeling and validation phases

Workflow with usBIM.IDS

- ✓ Information specifications created with the IDS editor and therefore readable by operators and software solutions both during modeling and validation
- ✓ Excellent results with minimal use of resources thanks to the creation of an IDS document already related to the IFC model
- ✓ No possibility of error, because the required specifications can be interpreted directly by the computer
- ✓ Immediate feedback on the quality of the deliverables being delivered

Testimonials

What they say about us

Find out more (/en/testimonials)

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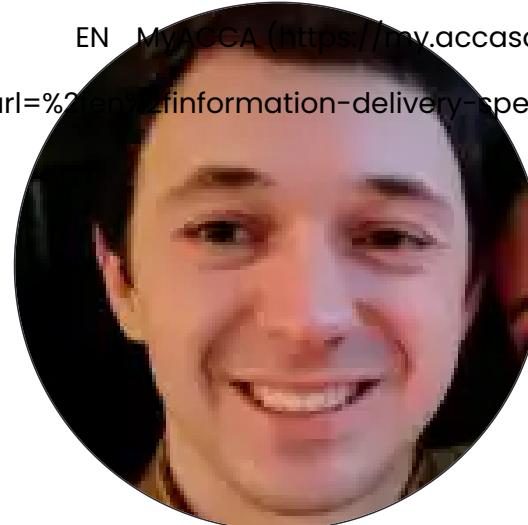




Nabil K., Civil Engineer and BIM Consultant
Italy



Danya Gasbarrini, RGQ -
Internal Auditor
Italy



William Formigoni, Project
coordinator, DRCPro
Engineering
Brasil



Ignacio Bo,
Spain

Everything already aligned with Edificius thanks to usBIM.pointcloud by ACCA software ready to be dissected and measured as if you were on site, but on the computer...
[more information..]

With usBIM from ACCA software you have all the tools for BIM Coordination integrated in one solution: issue management, BIM validation, clash detection and much more!
[more information..]

We were one of the first companies in Brazil to start testing this new product and receive a presentation from ACCA software. I can confirm that it really does add a lot to BIM 4D workflows. It's very easy to use and aims to solve the problem.

In this case, testing of these revision files carried out the tests with ACCA software to get the best result...
[more information..]

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What is Information Delivery Specification (IDS)? ▾

What's ACCA's proposal with the introduction of usBIM.IDS? ▾

usBIM, the BIM management system, scalable and configurable according to your needs.

Get started with applications and 10GB of cloud storage space for free. Then choose the applications that you need to configure your usBIM experience according to your preferred workflow!

- ✓ usBIM is the online system that integrates different types of BIM tools:
 - BIM interoperability tools:** allowing full interoperability during the various phases of construction design, execution and the relating maintenance processes
 - BIM collaboration tools:** specific BIM tools for improved collaboration and sharing of information among all the various stakeholders involved in creating or updating the digital twin during the project's entire life cycle.
- ✓ With usBIM, manage the project, construction management and maintenance phases of a building or infrastructure, starting from the free usBIM solution.
- ✓ usBIM offers you infinite configurations with functions, applications and cloud storage space that you can activate from the online store.
- ✓ Only subscribe to the BIM tools that you really need.
- ✓ Keep your usBIM tools under control. Check out your current configurations and remain updated with the latest available plugins.

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APP and functions provided with usBIM (included and free of charge)

usBIM.browser

BIM Viewer
(/en/bim-viewer)

usBIM.pointcloud

Point cloud viewer
(/en/point-cloud-viewer)

usBIM.federation

Federations of BIM models and
Point Clouds
(/en/bim-federated-model-
software)

usBIM.chat

Online chat and messaging
service
(/en/usbim-chat)

usBIM.meet

Video Meetings and desktop
sharing tools
(/en/usbim-meet)

usBIM.gis

BIM-GIS software
(/en/bim-gis-software)

usBIM.bcf

BCF (BIM Collaboration
Format) management
(/en/bcf-software)

usBIM.writer

Integrated Word Processor for
document and forms
management
(/en/online-word-processor)

usBIM.office

Microsoft Office document editing
(/en/usbim-office)

usBIM.media

Web Media Player
(/en/usbim-media)

usBIM.calendar

Online Calendars
(/en/online-calendars)

PriMus online (light)

Online construction cost estimating software
(/en/online-cost-estimates)

usBIM.bSDDeditor

bSDD Editor
(/en/bsdd-buildingsmart-data-dictionary)

usBIM.IDSeditor

IDS Editor
(/en/information-delivery-specification-ids)

usBIM.library

BIM Objects
(/en/bim-objects)

usBIM.revolution

Revit® openBIM Available Soon
(/en/revit-openbim)

APPs and additional functions (available with subscription plans)

usBIM.clash

BIM Clash Detection
(/en/bim-clash-detection-software)

usBIM.gantt

BIM 4D software
(/en/bim-4d-software)

usBIM.checker

BIM validation
(/en/ifc-checker)

usBIM.refactor

Refactoring and Merge IFC files
(/en/refactoring-and-merge-ifc-files)

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usBIM.editor

Advanced IFC file editor
(/en/advanced-ifc-editor)

usBIM.IoT

BIM IoT Platform
(/en/bim-iot-platform)

usBIM.codesign

Online 3D rendering for usBIM
(/en/online-3d-rendering)

usBIM.reality

Construction in the Metaverse
(/en/construction-in-the-metaverse)

usBIM.facility

BIM Facility Management
(/en/bim-facility-management)

usBIM.project

BIM project management software
Available Soon
(/en/bim-project-management-software)

usBIM.blockchain

BIM-Blockchain integration
(/en/usbim-blockchain)

usBIM.compare

Compare 3D Models
(/en/compare-3d-models)

PriMus online

Online construction cost estimating software
(/en/online-cost-estimates)

COOKIES

TERMS

usBIM.bSDD

buildingSMART Data Dictionary
(/en/bsdd-buildingsmart-data-dictionary)

usBIM.IDS

Information Delivery Specification

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usBIM.blueprint

Technical Construction Drawings



usBIM.land

BIM Google maps®
Available Soon
(/en/bim-google-maps)

usBIM.BI

BIM Business Intelligence
Available Soon
(/en/bim-business-intelligence)

usBIM.scan2IFC

Scan to BIM software
Available Soon
(/en/scan-to-bim-software)

Integrated platforms (available with subscription plans)

usBIM.platform

Common Data Environment Software
(/en/common-data-environment)

usBIM.dossier

Engineering document management software
(/en/engineering-document-management)

usBIM.resolver

Management construction site problems
(/en/management-of-construction-site-problems)

usBIM.maint

Facility Management Software
(/en/facility-management-software)

usBIM.firemant

Fire protection maintenance software
(/en/fire-protection-maintenance-software)

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usBIM.planAI

2D to 3D/BIM
(/en/2d-to-3d-how-to-convert-2d-files-into-3d-models)

usBIM.bridge

Bridge management software
(/en/bridge-management-software)

usBIM.geotwin

Geospatial Digital Twin
(/en/geospatial-digital-twin)

usBIM.codesign AI

AI architecture generator
(/en/ai-architecture-generator)

Read

Building Information Modelling (/en/bim-building-information-modeling)

openBIM vs closed BIM (/en/open-bim-vs-closed-bim)

BIM construction (/en/bim-construction)

IFC and openBIM® (/en/ifc-openbim)

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Explore

Digital Twin software (/en/digital-twin-software)

3D point cloud (/en/3d-point-cloud)

Structural health monitoring software
(/en/structural-health-monitoring-software)

Bridge inspection software (/en/bridge-inspection-software)

Try

BIM Viewer (/en/bim-viewer)

Point cloud viewer (/en/point-cloud-viewer)

DXF viewer (/en/dxf-viewer)

DWG viewer (/en/dwg-viewer)

RVT viewer (/en/rvt-viewer)

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(/en/)

Transforming BIM to openBIM (</en/open-bim-vs-closed-bim>)[®]

ACCA is the Nº1 IFC openBIM (/en/ifc-openbim)[®] expert. The company with the largest number of IFC certified BIM software solutions in the world. The right BIM choice for those who want freedom of collaboration and full data availability.

Follow us on

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All software solutions (/en/aec-collection-software)

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