

## BIM Building Information Modeling for Space and Facility Management

« BIM (Building Information Modeling) is a digital representation of physical and functional characteristics of a facility. This representation creates a shared knowledge resource for information concerning the facility thus forming a reliable basis for decisions during the building life cycle, from earliest conception to demolition. »

The definition is based closely on the US National BIM Standards Committee (NBIMS)

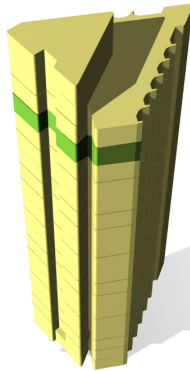
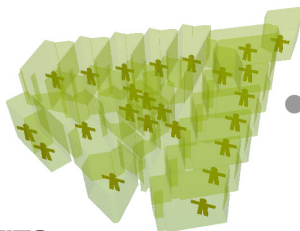
« IFC represents a data schema for sharing construction and facility management data across various applications used in the AEC/FM industry domain. It is an object-oriented data schema based on class definitions representing the objects (such as building elements, spaces, properties, shapes, etc.) that are used by different software applications used in construction or facility management project. »

BuildingSmart definition

### Convert your paper plans to BIM without having to remodel your portfolio in 3D

ArchiDATA converts your plans into intelligent management information as well as converting them into the IFC (Industry Foundation Classes) standard. This tool will allow you to :

- ▶ Provide a standardized IFC file to professionals to start a project in their respective tool (Revit, NavisWorks, D-Profiler, etc.)
- ▶ Distribute project information and data to all stakeholders and decision-makers
- ▶ Re-integrate the data produced in BIM by the professionals (As-builts/BIM) in a spatial structure
- ▶ Archive all BIM models from different disciplines in a standardized and usable format
- ▶ Maintain a standardized and universal database to allow the exchange of information between systems
- ▶ Maintain graphic and alpha-numeric databases of all spaces and equipment of your real estate assets
- ▶ Locate all major or building improvement projects in a spatial structure or in a GPS system



## BENEFITS

Users have recognized the following advantages to using ArchiDATA's BIM Module :

- ▶ Reduces costs related to establishing an inventory of 3D data on the occupants, rooms, workstations and equipment
- ▶ Simplifies the databases for modelling the links and relationships between equipment, systems and spaces
- ▶ Reduces costs related to updating data thanks to the interoperability between systems
- ▶ Reduces time allocated to start a project by providing a BIM canvas to all participants
- ▶ Reduces time to generate and exchange large BIM files
- ▶ Increases efficiency of electro-mechanical systems due to the creation of an interrelation between building systems (thermostat- mechanical zone -building automation - electricity)

### Comparative Table of Major Differences between CAD and BIM

Existing CAD	BIM
2D	3D
Lines, arcs and texts	Objects and models
No link between drawings	Standardized Database
Tool for closed environment	Collaborative Tool

## ABOUT ARCHIDATA

Founded in 1995, ArchiDATA is a company that specializes in the development of Web-based solutions for plan (paper or CAD), space and building management. ArchiDATA offers a centralized archiving system for plans and documents accessible by all professionals involved in property management and construction.

The ArchiDATA platform and modules are designed to interface with the client's existing systems. It is a global solution for every stage of the property life cycle to increase portfolio performance for all aspects of real estate, including asset, leasing and property management and construction.

To date, more than 165 million square feet are managed using our solution.