

BIM - What is it?

- Noun: "Building Information Model" is a 3D computer representation of a building, i.e. a Virtual Building, that is constructed of smaller parts (objects) that include and convey graphical and non-graphical information.
- Verb: "Building Information Modeling" is a <u>process</u> of designing, engineering, constructing and maintaining a building that uses a coherent computer representation (i.e. Virtual Building) of the facility.



B I M... as a process

Information is the key

- Typically, Information was built and lost, and then, often rebuilt.
- But sometimes it was lost forever!





<u>Information</u> is Complex! *And there is a lot of it*





BIM... as a process

Information is Complex!

And there is a lot of it

So we made it "Machine Computable"

And we tried adding more people

But that created even **more complexity**





• We needed it to be

"Human Comprehendible"





B I M... the Solution

- BIM unifies Information in a Database and gives it <u>Context</u>
 - Unified Information is accessible a variety of ways:
 - 3D Views
 - 2D Views
 - Tables and Schedules
 - Reports

But it is all the same Data





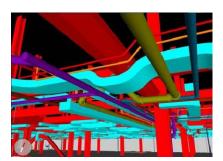
- BIM makes Information:
 - Human Comprehendible and
 - Machine Computable





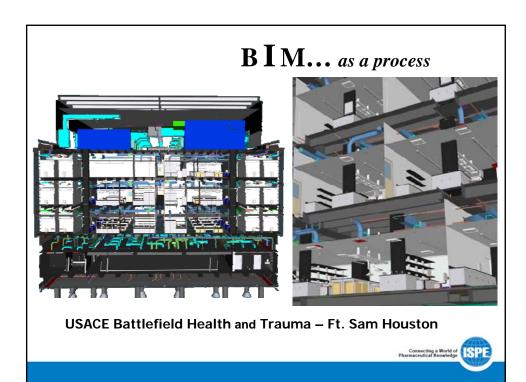
BIM... as a process

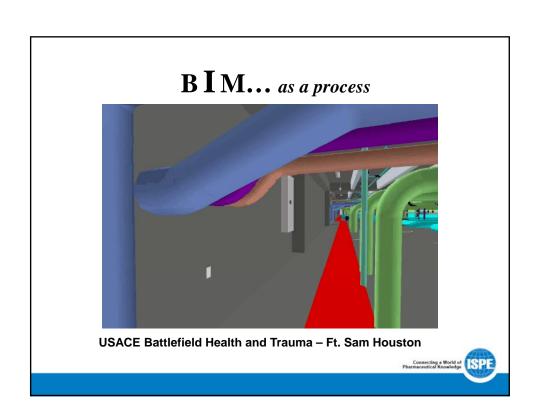
• BIM lets us build it first in the computer before we build it for real.



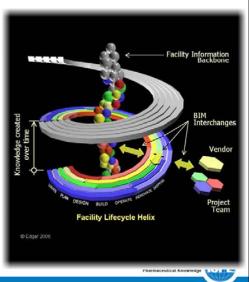






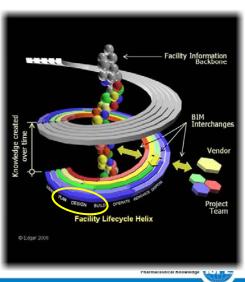


- Information is:
 - Saved
 - Improved
 - Reaffirmed
 - Transparent
 - Usable
 - Increasing in Value
 - The sky is the limit!



What's in it for you, as an Owner?

- The truth is that the Facility Information is only built to the extent that is supported by the business case.
- Each project is different.



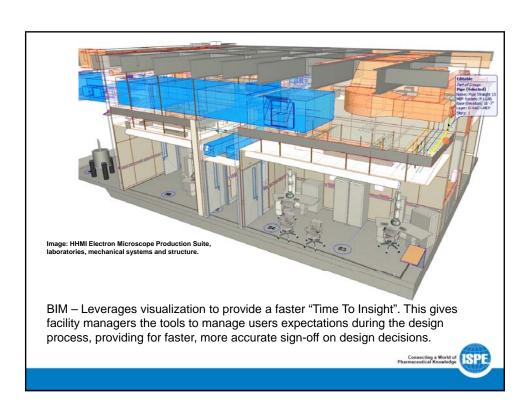
B I M... Exchange Information

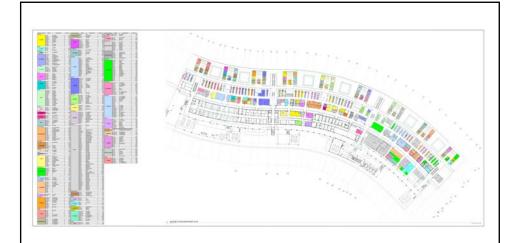
- Expertise needs to be applied by different contributors.
- This creates separate datasets, which can still be part of a Unified BIM, if the data is synchronized.
- Therefore, Lossless Information Exchange is needed
- But how, if we need different tools for our specialties?
- We need a common language (data format)
- And the key is being selective about what information should be shared and when.

Because...

When everything is a priority, nothing is a priority.







The combination of data and graphics provides a greater level of clarity to facility information. This color coded floor plan allows facility managers, human resources and accounting to baseline their data off of the BIM data.



WHAT ARE YOUR PRIORITIES? WHAT IS YOUR BUSNIESS CASE?