

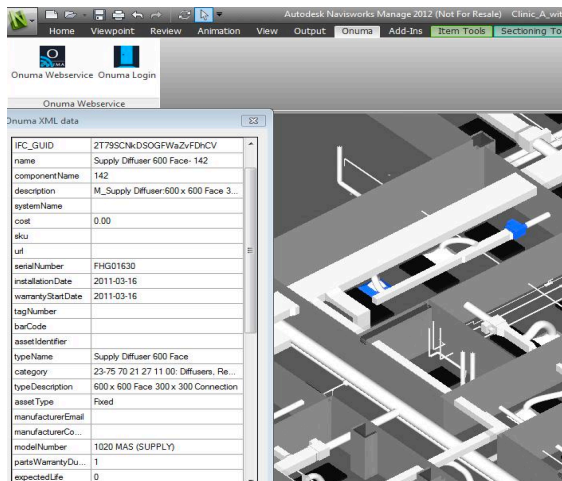
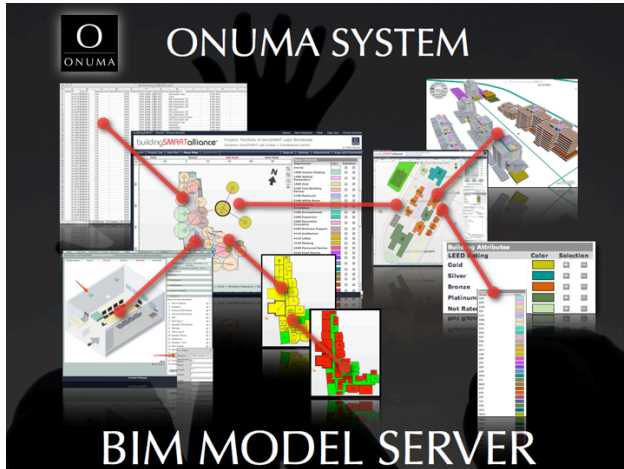
ONUMA, Inc.

ONUMA System

Kimon Onuma, FAIA

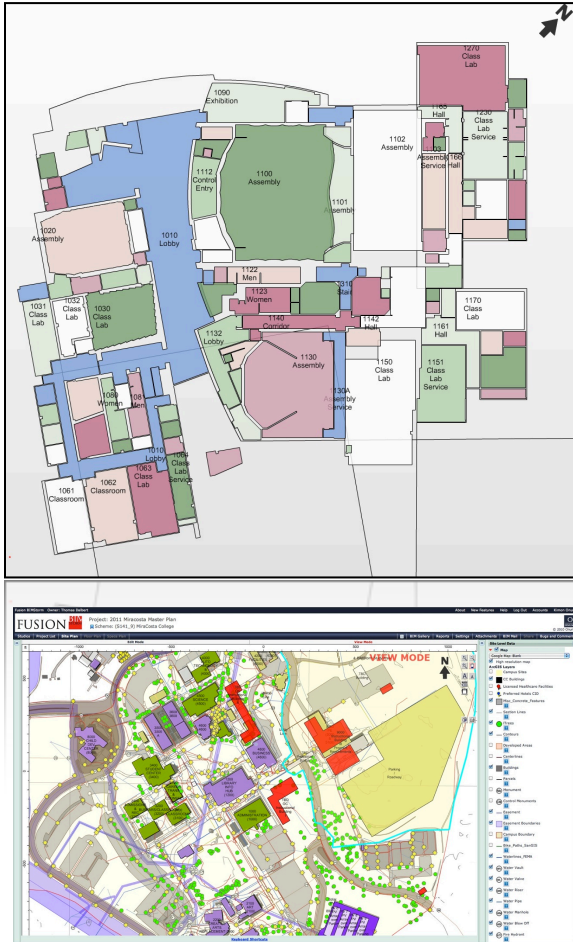


product description



- Web based BIM Viewer and Editor.
- Software as a Service (SAAS) BIM
- Multi user real-time access to data
- Real time import and export of COBie
- Open standards based interaction with other applications.
- Connects to other applications through web-services
- Access to Data in Model Server directly from within other applications

product features



- No software to install
- BIM + GIS + FM
- Collaborate in Real-Time
- Manage Complex COBIE Data
- COBIE data in GIS
- Open Standards Driven Exchanges
- Links to desktop BIM applications
- Simple interface, no BIM experience required.
- Works with mobile applications and tablets.

ONUMA System - user base

users

user count: 4,500
facility count: ~ 60,000
public sector: 85% - Education and Government Facilities
private sector: 15% - Healthcare

customers

name: California Community Colleges
name: US Coast Guard
name: Department of Veterans Affairs

tested product

product name: ONUMA System

product version: V2012

PC or Cloud: PC / MAC, Mobile & Cloud

website: <https://www.onuma.com/products/OnumaPlanningSystem.php>

<http://www.onuma.com/COBIE>

BPie Demo scope

information	COBie.Sheet*	Exported
spaces	Space, Type	<input checked="" type="checkbox"/> <input type="checkbox"/>
space properties	Attribute	<input checked="" type="checkbox"/> <input type="checkbox"/>
equipment	Type, Component	<input checked="" type="checkbox"/> <input type="checkbox"/>
equipment properties	Attribute	<input checked="" type="checkbox"/> <input type="checkbox"/>
systems	System	<input checked="" type="checkbox"/> <input type="checkbox"/>
system properties	Attribute	<input checked="" type="checkbox"/> <input type="checkbox"/>
planning documents	Document	<input checked="" type="checkbox"/> <input type="checkbox"/>

* and supporting COBie sheets as required per standard.

configuration

Import of Programming Requirements from other Programming Applications

- Import a BPie file with the COBie Import interface into the ONUMA System
- Import Space Requirements and Equipment Requirement from other applications such as dRofus, SEPS, and others.

FUNCTION	Room Code	AUTHORIZED		PLANNING RANGE/COMMENTS
		m ²	nsf	

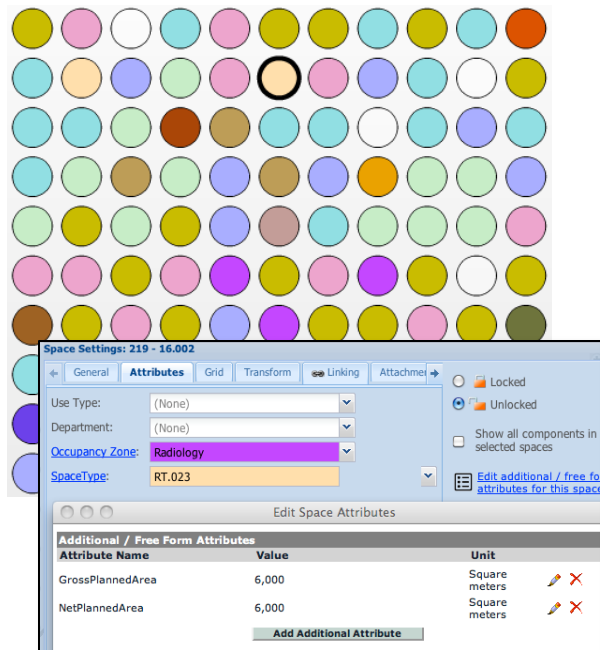
PATIENT AREAS

Pediatric Screening/Weights & Measures Room (GP)	EXRG5	11.15	120	Minimum up to four projected FTE providers. One additional room for increment of four providers or portion thereof.
Vision /Hearing Screening Room	PEVH2			
Pediatric Exam Room	EXRP1			
Isolation Exam Room (GP)	EXRG6			
Isolation Toilet (GP)	TLTU1			
Treatment Room (GP)	TRGM1			
Observation/Hydration Room	OOHR1			
Immunization Room (GP)	OPIR1			
Waiting - Immunization/Observation	WRC01			

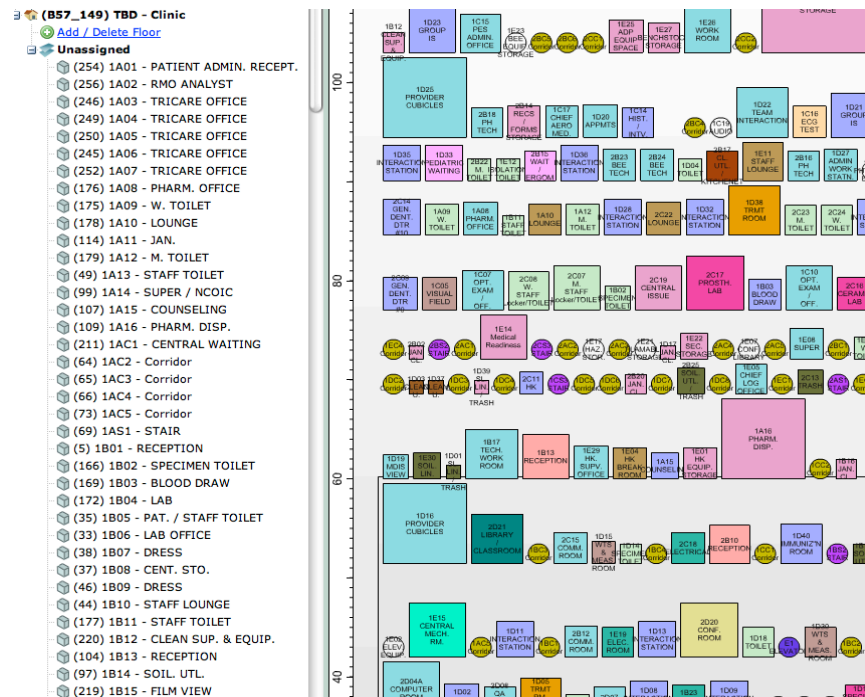
2. TREATMENT ROOM (TRGM1)					
A1010	Telecommunication Outlet	1	CC		Telecommunication outlet location.
A1011	Telephone, Desk, 1 Line	1	CC		Telephone, desk, 1 line.
A1132	Rail, Accessory Mounting, Length As Required	1	VV		Horizontal mounting rail will consist of lock mounting brackets, being repositioned, and mounting arms. The rail must be capable of supporting equipment normally found in exam or patient rooms. The rail dismounting equipment without leaving or creating wall.
A1165	Track, IV, Ceiling Mounted, 7 Foot	1			7 ft. ceiling mounted IV track. Unit consists of a stand, includes a carrier with self locking hinge, hook for pendant. Designed for dispensing IV solutions.
A5075	Dispenser, Soap, Disposable	1	VV		Disposable soap dispenser. One-handed dispensing disposable soap cartridge and valve.
A5080	Dispenser, Paper Towel, SS, Surface Mounted	1	CC		A surface mounted, satin finish stainless steel, single dispenser features: tumbler lock; front hinged at bottom; capacity 400 single-fold paper towels. For general use.
A5106	Waste Disposal Unit, Sharps w/Glove Dispenser	1	W		The unit is designed for the disposal of sharps and handling of sharps. It shall house a 5 quart container. It shall have a glove dispenser attached. The enclosure.
A5145	Hook, Garment, Double, SS, Surface Mounted	1	CC		A surface mounted, satin finish stainless steel, double hook.

process

- The ONUMA System uses BPie data for blocking & stacking
- it can be exported at any time to a CAD applications or as a COBie file for use in other applications



Data from SEPS or other programming applications can be converted into BIMs and exported through IFC or BIMXML to be used in CAD applications.



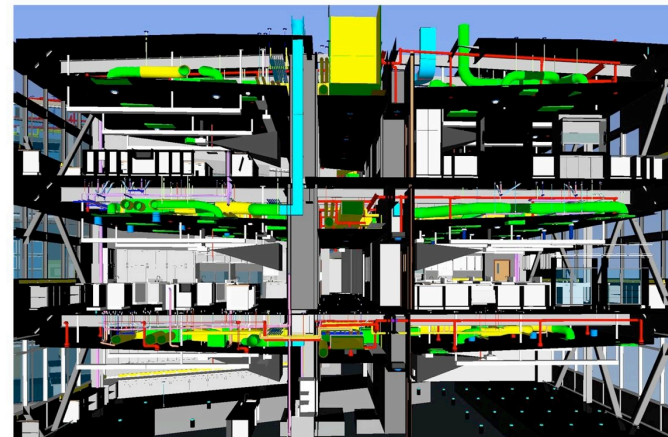
COBie savings – single project

building type: Laboratory
floors: 3
total SF: 94,500
equipment count: 4,800

back of napkin estimate of:

- Savings to load data: If Valid COBie data is available the loading time is instantaneous
- Eliminates all manual data loading.
- FM Cost Metric to be added

picture of “typical” single project
you wish to highlight for potential
customers



Pankow Construction
LACCCD Mission East Project using COBie

COBie savings – facility portfolio

building types/ count:
112 Community College Campuses,
5,000 Buildings
71,000,000 Square Feet
equipment count: 12,000

back of napkin estimate of:

- Savings to load data:
- Data loaded from Owner's FM database using webservice instantaneously
- Valid COBie data is available the loading time is instantaneous
- Eliminating all manual data loading and updating. Real time updates as field data is loaded, or new buildings come online.
- FM Cost Metric to be added

picture of “typical” portfolio that you wish to highlight for your potential customers



contacts

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