Company: EcoDomus, Inc. Product: EcoDomus PM

Igor Starkov, President





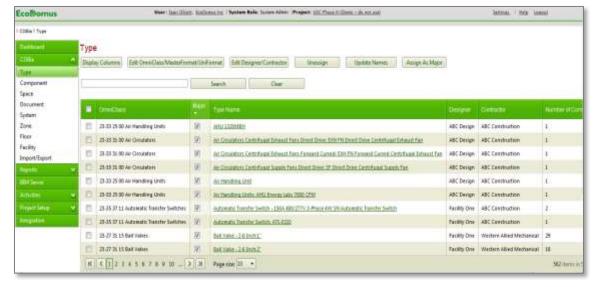




product description

EcoDomus PM ("Project Management") is a software solution dedicated to enabling the usage of Building Information Models (BIM) and Lean processes for managing facility data during new construction, renovation of existing buildings, or just collecting data to create accurate asbuilts.

EcoDomus PM allows reducing time and costs of collecting and validating design/construction/commissioning information using COBie.



product features

EcoDomus PM provides support for COBie throughout the whole construction project lifecycle both online and off-line, on Tablet PCs (like iPad and Windows 8), laptops and desktops, all having a 3D interface.

With EcoDomus PM you can edit COBie data in a secured online environment in collaborative mode.

EcoDomus PM provides a unique way for extracting and editing COBie data from Autodesk Revit and other BIM tools and pushing data back into the model.

EcoDomus PM has built-in Quality Control reports helping analyze and improve quality of BIM data.



user base

users

user count: N/A

facility count: N/A

public sector: N/A

private sector: N/A

customers

name: General Services Administration (GSA)

name: Kaiser Permanente

name: University of Southern California

tested product

product name: EcoDomus PM

product version: SaaS

PC or Cloud: Cloud

website: www.ecodomus.com/ecodomuspm.ht

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Builders' COBie challenge scope

information	COBie.Sheet*	Imported	Exported
spaces and equipment	Space, Type, Component	▼ ×	√ ×
space and equipment properties	Attribute	▼ ×	√ ×
equipment PM/safety procedures	Job	▼ ×	√ ×
equipment safety procedures	Job	▼ ×	√ ×
equipment replacement parts	Spare	▼ ×	√ ×
pm materials, tools, training	Resource	▼ ×	√ ×
spatial zones	Zone	▼ ×	√ ×
equipment systems	System	▼ ×	√ ×
system operations procedures	Job	▼ ×	√ ×
suppliers, manufacturers, etc	Contact	▼ ×	√ ×
handover documents	Document	▼ ×	✓ ×

^{*} and supporting COBie sheets as required per standard.

configuration

Please see the accompanying documentation

process

Please see the accompanying documentation

COBie savings – single project

building type floors total SF equipment count Education Facility
4 levels (3 floors and basement)
62,500 sq.ft.
5,920

"back of napkin" savings:

- in data capture from upstream
- in capture in construction workflow
- in production of handover data set
- other, etc...
- -Total \$ construction office savings

expected savings from not having to recreate design data & streamlined workflow:

Time for each manual record entry (in hours) *	0.008
Time for establishing lookup link (hrs)	0.004
Time required to enter all records and establish links (hrs)	4410.29
Data verification time (assume 15% of total labor)	661.54
Cost of labor per hour	\$30
Labor experience level (good=1, bad>1)	1.00
Total cost of manual COBie Excel file production	\$152,155

Cost Savings due to using EcoDomus PM	\$132,371
Cost Ratio (EcoDomus/Semi-Manual Process)	21%

COBie savings – facility portfolio

building types number of buildings total SF equipment count Office/educational/athletic/CUPs 200 14MSF Tens of thousands

"back of napkin" savings:

- in data capture from upstream
- in capture in construction workflow
- in production of handover data set
- other, etc...
- -Total \$ construction office savings

expected savings: millions of dollars

contacts

COBie support

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marketing POC

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