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 as-builts.

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.html

2013 COBie Challenge for Builders
# Builders’ COBie challenge scope

<table>
<thead>
<tr>
<th>information</th>
<th>COBie.Sheet*</th>
<th>Imported</th>
<th>Exported</th>
</tr>
</thead>
<tbody>
<tr>
<td>spaces and equipment</td>
<td>Space, Type, Component</td>
<td>🟢</td>
<td>🟢</td>
</tr>
<tr>
<td>space and equipment properties</td>
<td>Attribute</td>
<td>🟢</td>
<td>🟢</td>
</tr>
<tr>
<td>equipment PM/safety procedures</td>
<td>Job</td>
<td>🟢</td>
<td>🟢</td>
</tr>
<tr>
<td>equipment safety procedures</td>
<td>Job</td>
<td>🟢</td>
<td>🟢</td>
</tr>
<tr>
<td>equipment replacement parts</td>
<td>Spare</td>
<td>🟢</td>
<td>🟢</td>
</tr>
<tr>
<td>pm materials, tools, training</td>
<td>Resource</td>
<td>🟢</td>
<td>🟢</td>
</tr>
<tr>
<td>spatial zones</td>
<td>Zone</td>
<td>🟢</td>
<td>🟢</td>
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<tr>
<td>equipment systems</td>
<td>System</td>
<td>🟢</td>
<td>🟢</td>
</tr>
<tr>
<td>system operations procedures</td>
<td>Job</td>
<td>🟢</td>
<td>🟢</td>
</tr>
<tr>
<td>suppliers, manufacturers, etc...</td>
<td>Contact</td>
<td>🟢</td>
<td>🟢</td>
</tr>
<tr>
<td>handover documents</td>
<td>Document</td>
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<td>🟢</td>
</tr>
</tbody>
</table>

* 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:

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Time for each manual record entry (in hours) *</td>
<td>0.008</td>
</tr>
<tr>
<td>Time for establishing lookup link (hrs)</td>
<td>0.004</td>
</tr>
<tr>
<td>Time required to enter all records and establish links (hrs)</td>
<td>4410.29</td>
</tr>
<tr>
<td>Data verification time (assume 15% of total labor)</td>
<td>661.54</td>
</tr>
<tr>
<td>Cost of labor per hour</td>
<td>$30</td>
</tr>
<tr>
<td>Labor experience level (good=1, bad&gt;1)</td>
<td>1.00</td>
</tr>
<tr>
<td>Total cost of manual COBie Excel file production</td>
<td>$152,155</td>
</tr>
<tr>
<td>Cost Savings due to using EcoDomus PM</td>
<td>$132,371</td>
</tr>
<tr>
<td>Cost Ratio (EcoDomus/Semi-Manual Process)</td>
<td>21%</td>
</tr>
</tbody>
</table>
COBie savings – facility portfolio

- building types
- number of buildings
- total SF
- equipment count

<table>
<thead>
<tr>
<th>Office/educational/athletic/CUPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
</tr>
<tr>
<td>14MSF</td>
</tr>
<tr>
<td>Tens of thousands</td>
</tr>
</tbody>
</table>

“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

10-Jan-13 2013 COBie Challenge for Builders
contacts

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