AWARE-P
A collaborative, system-based IAM planning software

Leading Edge Strategic Asset Management
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Planning is not solved by throwing technology at it
The cube
Apparently this is known in Japan as Helena’s cube

We have been working inside it in the last few months
Planning approach

For AWARE-P, planning involves

**Strategic + Tactical + Operational**
views/issues/decision-making

**Performance + Risk + Cost**
objectives/criteria/assessments

**Time horizons + Scenarios + Alternatives**
We try to help fill out the grid

- Define
- Current
- For each alternative
Let’s take a look at it
Your data: organized
Computing component importance

The component importance of each pipe is calculated by comparing the total demand that the network can satisfy when the pipe is out of service, with the total demand that the original network can satisfy. The calculation is computed over all the time steps in the entire simulation duration specified in the network model. Component importance values are between 0 (no demand is satisfied, over the simulation duration) and 1 (all demand is satisfied, over the simulation duration).

**Summary**

- Zero-Consumption Pressure: 15.0 m
- Required Minimum Pressure: 30.0 m

**Model info**

<table>
<thead>
<tr>
<th>Pipe ID</th>
<th>Actual consumption</th>
<th>Importance</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>0.0</td>
<td>100.00%</td>
</tr>
<tr>
<td>T600</td>
<td>3.7</td>
<td>76.389%</td>
</tr>
<tr>
<td>T610</td>
<td>5.0</td>
<td>68.218%</td>
</tr>
<tr>
<td>T430</td>
<td>10.8</td>
<td>31.553%</td>
</tr>
<tr>
<td>T250</td>
<td>11.6</td>
<td>26.415%</td>
</tr>
<tr>
<td>T245</td>
<td>11.7</td>
<td>25.386%</td>
</tr>
<tr>
<td>T450</td>
<td>11.7</td>
<td>25.767%</td>
</tr>
<tr>
<td>T455</td>
<td>12.2</td>
<td>22.868%</td>
</tr>
</tbody>
</table>
Epanet network on top of Google
Or any other maps/gis server
Anything is chartable
A familiar view
Fast dynamic 3D
A full screen
Dynamic 3D earth view
What next?
Anywhere

What you have seen works

On your Windows server

On your desktop (Win, Mac, Linux, etc)

On your Asus netbook

On your iPhone, iPad or droid tablet

It is not a proof of concept

Not less than professional grade software is being delivered
Aware software & this community

Aware is open source

Aware is pluggable on every level

your knowledge could be there

Aware is here to stay
Supporting a global community

By the end of 2011 this software will be available to everyone.

baseform.org will be the platform supporting an open source community of engineering, of knowledge and of tools.

You can register for information at http://baseform.org