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
For AWARE–P, planning involves

Strategical + Tactical + Operational views/issues/decision-making

Performance + Risk + Cost objectives/criteria/assessments

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

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We try to help fill out the grid by defining objectives, criteria, and metrics for each alternative. We then formulate models and diagnose, assessing current values and targets 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).

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

Pipe ID | Actual consumption | Importance
--- | --- | ---
TOTAL NETWORK | 15.8 |
T1 | 0.0 | 100.00%
T600 | 3.7 | 76.389%
T610 | 5.0 | 68.218%
T430 | 10.8 | 31.553%
T250 | 11.6 | 26.415%
T245 | 11.7 | 25.386%
T450 | 11.7 | 25.767%
T455 | 12.2 | 22.568%
Epanet network on top of Google
Or any other maps/gis server
Anything is chartable
Levels for your data

Model: NTX5 Network

Selected parameter: Pressure

- Click here to set equal intervals on the x-axis (20% quantiles of the set of nodes)
- Click here to set equal intervals on the x-axis (equal intervals in the values of the variable)
A familiar view
Dynamic 3D earth view
What next?
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