Meeting Prep 2-25-2012

Need source for every single problem and solution characteristic

More proof on scalability.

* Administrative scalability. It’s going to take more human controllers to manage a light rail network of increasing size without intelligent management. Can we reduce this cost factor? By removing the human element. With intelligent algorithms for emergency routing, your transit system can suggest optimal configurations with minimal human intervention.
* Functional Scalability – Can new routes, traincars, and stations be added to an existing management system easily? Managing transit improvements takes seconds with our system.
* Load scalability – Anticipating high load hours is key to accommodating crowds, especially on event days. Also important is anticipating when to provision less resources according to load. Our solution makes fine-grained load balancing possible across your entire transit network, saving fuel and maintenance costs.

Cost comparisons

Feature comparisons

Hardware solutions

GPS Units

Modify process flows

Congestion stats

Rate of growth for light rail, not just total nums

The feasibility presentation should address/answer the following:

Societal/Market

Identify a problem that currently exists

Convince the panel that this is a problem

Address the size and breadth of the problem

Who does this problem impact the most?

How are they impacted?

What do they need to have solved?

Customer

Who is the customer?

What characteristics do they possess?

How much do they need this solution?

How much are they willing to spend?

What is the return on investment for the customer?

What are the added benefits?

Does the solution introduce new problems?

Management

Who are the team members?

What skills and capabilities do they have?

What experts are needed? and identified?

What management communication and coordination methods are used?

Technical

What will the solution need to do?

Enable real-time communication between multiple on-board units and a master tracking server.

What hardware and software will be required to build it?

GPS unit, people counting unit

What COTS products will be needed?

What will the customer need to have in order to use the product? (what is in the box?)

What has to be specially built?

Financial

How much will this cost the customer?

How much will this cost us ---- though very priliminary

Risk

What are the biggest "what if's" at this point??