

Making Scenario Planning Analysis 20x Faster



U.S. DEPARTMENT OF
ENERGY

*InVizion provides the return-on-investment and milestone compliance
for each scenario*

Assistant Secretary, Office of Environmental Management

The Challenge

The DOE Oak Ridge Office of Environmental Management (OREM) team oversees a portfolio of over 660 projects totaling \$15 billion with a 34-year lifecycle. These projects include environmental remediation, demolition, facility decontamination, plant modernization, utility reconfiguration, facility transfers, and waste management.

Project schedules with 15,000 activities are budget and resource loaded which increases their data complexity. And the work is sequenced with 16,000 logic ties specifically to guarantee that risk, efficiency, regulatory guidelines, and cost objectives are met

Change management of the agency's program plan poses a huge challenge not only because of its complexity, but for budgetary reasons as well. To ensure the health of the program, and as justification for any changes made to the plan, it's common to have multiple budget requests in a single year. These requests are both time consuming and resource intensive on the agency.

Why InVizion?

The DOE needed an easy-to-use solution that could support the complex planning and prioritization process associated with large programs.

Also, given the heightened attention capital programs receive – from stakeholders, regulators and constituents – having a proven solution brings peace of mind to organizations like the DOE OREM team. For over 20 years we've been supporting asset-intensive groups in their planning, managing and optimizing of the capital planning process.

InVizion enables the DOE and other enterprises to quickly combine multiple inputs and variables – including project data from disconnected finance, supply chain, asset and project management applications – for accurate planning, forecasting, reporting & what-if analysis to reduce lifecycle costs, minimize investment risks and speed program execution.

The Solution

A solution was needed to provide various "what-if" scenarios that maintained complex logic ties and respected the prioritization of projects established in the baseline. Data gathered from "what-if" scenarios would be used to make decisions as issues such as cost overruns and delays arose. Therefore, it was crucial that detailed and accurate numbers be produced frequently, fast and with limited advance notice.

InVizion gave the DOE OREM team the ability to confidently and quickly analyze multiple scenarios. Plus, it was now possible to pull program and project information from multiple sources, recalculate costs, and see the impact of decisions on milestones in the time-frame needed.

Ultimately, it gave the DOE the ability to clearly communicate and execute their plans.

The Benefits

InVizion has delivered a number of benefits to the DOE OREM team helping them to gain visibility into unplanned and unforeseen program risks efficiently and optimally allocating capital and resources, and making fast, accurate and confident decisions.

The ability to do this resulted in a \$2 billion cost avoidance by identifying and eliminating overhead costs. Additional benefits include:

- ➔ Cutting analysis time by 97%
- ➔ Reducing lifecycle costs by 12%
- ➔ Making "what-if" scenario planning up to 20X faster
- ➔ Gaining visibility into opportunities and risks in multiple scenarios
- ➔ Rapidly modeling the impact of proposed changes
- ➔ Identifying savings opportunities in complex scenarios
- ➔ Utilizing project data from multiple, disparate sources

The 3 Pillars of Optimized Program & Portfolio Planning



Adjust

Increase visibility into unplanned and unforeseen project risks by rapidly addressing the impact of variances and changing constraints



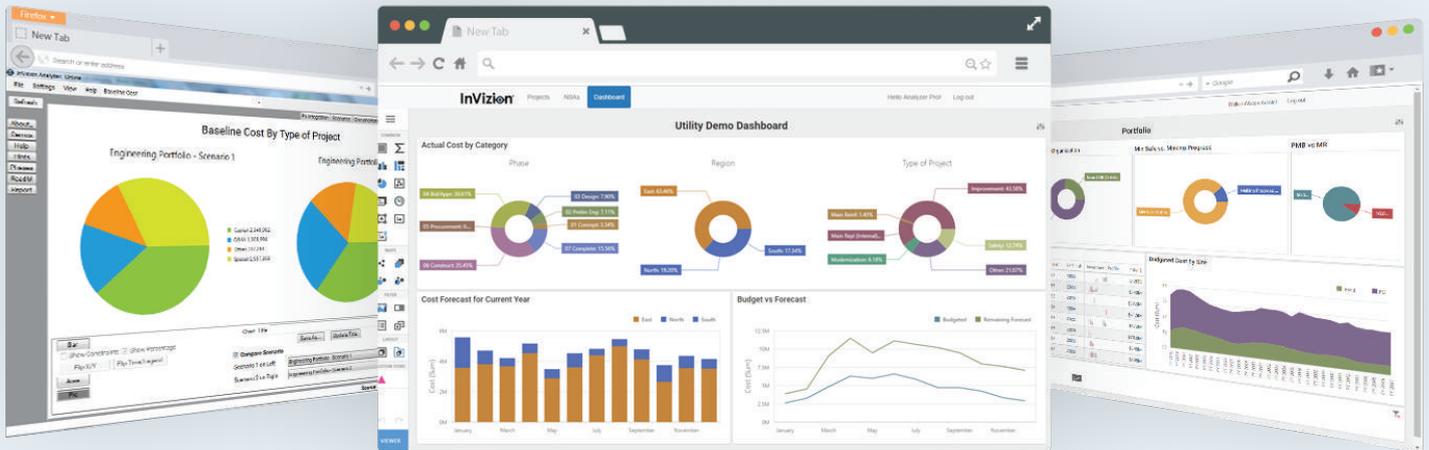
Optimize

Minimize inefficient and sub-optimal allocation of capital and resources by objectively developing & optimizing enhanced execution strategies



Empower

Increase credibility by making defensible decisions and clearly communicating optimized plans to key stakeholders



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About Us

InVizion enables companies to quickly combine project data from disconnected enterprise systems - like finance, supply chain, asset and project management applications - for accurate planning, forecasting, reporting & what-if analysis to reduce portfolio costs, minimize investment risks and speed project execution.