

EDGE's TVE identifies opportunities to reduce cost, improve and simplify technology planning and delivery, and ensures that Building Systems, which are typically executed in isolated siloes, have a consistent and compatible data and network infrastructure.

THE CHALLENGE:

Developers are challenged to deliver smart and efficient projects that coordinate data and other resources among disparate systems. Thoughtful systems design, procurement and adoption plans are needed to empower existing teams to accomplish conformity without disruption to uncoordinated, highly focused construction efforts, vendors and subcontractors.

THE SOLUTION:

EDGE's *Technology Value Engineering* (TVE) exercise reveals opportunities to simplify technology design and transform the planning process into a coordinated effort that results in a holistic *data-normalized info-structure*. TVE-enhanced specifications deliver superior economy, use-case management, tenant satisfaction, worker productivity, energy-efficiency and materials reduction, with minimal disruption to existing teams and processes.



EDGE Building Intelligence Group's Technology Value Engineering Evaluation:

- ✓ Zero-Cost
- ✓ Applicable to New Construction or Deep Renovations

EDGE's TVE Evaluate is a confidential review of construction plans and specifications.

Provide current design drawings and specifications; EDGE will return a detailed TVE assessment and cost-benefit analysis.

The TVE Report compares current technology plans to an optimal open-API IP systems architecture. The report includes:

- ✓ First cost and operating expense impacts
- ✓ Project-Specific strategic recommendations
- ✓ Value-added opportunities
- ✓ Building Systems added, modified and removed
- ✓ Drawings and specifications that must be created and modified
- ✓ Next steps for the current project teams

**For Your
Technology Value
Engineering Report**

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THE TVE REPORT

EDGE's Technology Value Engineering Report is the 1st step in the **Master Technology Planning Process (MTP)**. The TVE reveals opportunities to improve technology adoption, quantifies financial impact and informs stakeholders of the performance benefits across disparate systems.

EDGE's TVE APPROACH

EDGE *Building Intelligence* performs a detailed construction document review that puts powerful skill-sets to work for owners, developers and teams. EDGE has combined experience of more than 100 projects. The TVE report applies this experience the current state of new construction and renovations projects to identify the changes need for an optimal technical framework:

- ✓ Physical Characteristics (size, shape, campus, spaces, pathways, cooling, power etc.)
- ✓ Application (office space, residential, healthcare, manufacturing, mixed use, education etc.)
- ✓ Local Considerations (labor challenges, local codes, incentives & rebates etc.)

TECHNOLOGY PERFORMANCE REQUIREMENTS & GOALS

- ✓ GHG emission, Net Zero & LEED / WELL sustainability goals
- ✓ Cost Savings
- ✓ Material Reduction - "De-duplication"
- ✓ Tenant Experience Use-Cases Management–
- ✓ Worker Productivity & Rule Sets
- ✓ Management , Reporting & Continual Commissioning

EXISTING BUILDINGS

In existing properties where a migration strategy over time and an audit exercise must be performed, resources will be required perform an audit of the current facility to determine current state and several factors impact the cost of an audit. These factors include:

- ✓ Number of systems to be audited
- ✓ Capabilities of current property management staff to populate audit tools
- ✓ Number of EDGE resources need no site to complete the audit
- ✓ Size & location of the property

Contact EDGE to get a free estimate for the cost of implementing a building audit to define current state and to receive an Technology Value Engineering report for your project. Typically an audit and TVE effort will take 4 to 6 weeks for existing properties.

ACT EARLY

What is the right time to perform a Technology Value Engineering effort? The earlier in a projects design efforts the better. Even if your project is working off of conceptual or permit sets EDGE can complete the TVE Report.