An Integrated Solution for Accelerated Estimation and Project Delivery

aspentech

Aspen Economic Evaluation estimates project capital cost and asset lifecycle economics from conceptual definition through detailed engineering. Its cost estimating, scheduling and benchmarking capabilities improve accuracy, reduce time to market and increase project profitability. Use the chart below to see the features that are available across the **Aspen Economic Evaluation** solution, including **Aspen Capital Cost Estimator™ (ACCE)** and **Aspen Process Economic Analyzer™ (APEA).**

Legend :
- ✓ Fully Available
- ✓ (orange) Requires a Template Created in APEA or ACCE

Aspen Economic Evaluation

Product Feature Comparison

Product Features	Aspen Economics	Activated Economics	APEA Standalone	Combined APEA & ACCE	ACCE Standalone
Access to global cost data bases (US, UK, Europe, Middle East & Japan)	✓	✓ (template)	✓	✓	✓
Specify environmental design factors (wind, seismic, etc.)	✓			✓	✓
Adjust coefficients for equipment design criteria	✓	✓ (template)	✓	✓	
Enter design temperature & pressure for individual equipment	✓	✓	✓	✓	✓
Access a wide library of material of construction for equipment	✓	✓	✓	✓	✓
Enter mechanical equipment specs (wall thickness, nozzles, etc.)	✓	✓	✓	✓	✓
Estimate Operation Expenses (OPEX)	✓	✓	✓	✓	✓
Estimate plant bulk items (plant piping, pipe racks, concrete slabs, E&I)	✓		✓	✓	✓
Estimate site-wide E&I costs (power stations, control centers, etc.)	✓	✓	✓	✓	✓
Customize project design basis (pipe lengths, insulation type, etc.)	✓			✓	✓
Create custom templates containing project design basis	✓		✓	✓	✓
Apply custom project templates	✓	✓	✓	✓	✓
Calibrate material costs & man-hours	✓	✓ (template)	✓	✓	✓
Evaluate cost impact for plant scaling or relocation	✓		✓	✓	✓
Automatic cost escalation based on basic engineering start date	✓	✓	✓		
Calculate contingencies using Monte Carlo risk analysis	✓			✓	✓
Support for detailed unit rate estimation	✓			✓	✓
Create custom equipment sizing/cost models	✓	✓	✓	✓	✓
Set contractors and workforces for construction and engineering	✓			✓	✓
Detailed estimation of indirect costs (freights, taxes, scaffolding, etc.)	✓			✓	✓
Generate 50+ cost reports out of the box	✓		✓	✓	✓
Customize codes of account (COA) for reporting	✓			✓	✓
Control required cost & time for rental equipment	✓			✓	✓
Perform detailed utility cost modeling and analysis	✓		✓	✓	✓
Create custom files (steel, fitting density, building, indirects, civil materials, piping & insulation)	✓			✓	✓
Interconnectivity with Other Solutions					
Import simulation data from Aspen HYSYS® and Aspen Plus®	✓	✓	✓	✓	
Import and export equipment and bulk data with Aspen OptiPlant 3D Layout™	✓	✓	✓	✓	✓
Interface with Aspen Basic Engineering™	✓			✓	✓
Import equipment and bulk data with Excel (spreadsheet import/export)	✓			✓	✓
Generate and export project schedule to Primavera P6	✓			✓	✓