

APEX – Advanced Pipeline Estimating & eXecution Planning

APEX Software

'KbProc.APEX' is software specifically designed for the pipeline industry and will support the development of detailed cost data for the construction of major pipelines. The advanced pipeline estimating & execution planning system allows for comprehensive construction cost and schedule modeling.

Version 3.1 Release Notes – September 2023

Key new APEX features include:

- Rich template functionality allows for the creation of a standardized corporate library of estimating modules. Individual crews or the complete collection of operations that define base-lay can be specified.
- Enhanced labour and equipment resource reports that include individual loading and peak. Expanded resource loading now includes spread and estimate hours that mirror existing quantity displays. Direct-indirect split, operation types, resource types or a specific resource can be viewed, output and analyzed.
- 'System Tables' export-import methods facilitate moving project data from one database to another. All estimates, spreads and operations including resource databases and UPIs are included. Leverage data, create productive teams and deliver results.
- Additional application hotkeys included to increase productivity. Execute solver using Ctrl-E. Quickly view templates, resource databases and search dialog.
- All-In labour and equipment resource rates for added costing flexibility and new resource matrix reports for labour and equipment allowing for quick review and update of resource quantities using streamlined export-modify-import work process. Reports typically used by construction group during estimate review process.
- Functionality to apply productivity factor to individual operation or entire spread and analyze impact on cost and schedule. Key performance indicators are calculated (KPIs) and comparative march charts are created. Updated operation production histograms, overall schedule and EVM chart are available for review.
- Expanded package reports that include page setup parameters for each report such as paper size, orientation, centering and scaling mode are available to customize output, provide consistency and improve productivity.
- Deliverable package reports for estimate, spread and operation that combines selected package reports into single document. File management options and support for PDF output is now included. A new 'Merge Files' feature prompts user to select existing files that can be optionally sorted and consolidated into single workbook.

Numerous other enhancements and data processing optimizations improving overall output and solver execution times.

Create-Analyze-Deliver

Is it time to leverage APEX on your pipeline project?

For more information contact TriGem Technology Ltd.

<http://www.trigemtech.com>