APEX Software

'KbProc.APEX' is a client-server system specifically designed for the pipeline industry and will support the development of detailed estimate data for the construction of major pipelines. The advanced pipeline estimating & execution planning software is purpose-built and allows for comprehensive construction cost & schedule modeling. Intuitive design has you up and running quickly.

Is it time to leverage APEX on your pipeline project?

Yes. Now is the time to increase productivity and have confidence in your data. The linear execution focused software system assists throughout the iterative process of developing estimate datasets. Do more in less time. Set new standards for accuracy, performance and team collaboration.

Windows desktop application developed using .NET technology. Flexible, secure multi-user system features a consistent, repeatable calculation model. SQL Server data storage ensures data integrity and high levels of performance.

APEX puts power in the hands of the user to produce results.

For more information contact TriGem Technology Ltd

Advanced Pipeline Estimating & eXecution Planning

CREATE

Benchmark Estimates

Resource Loaded Estimates
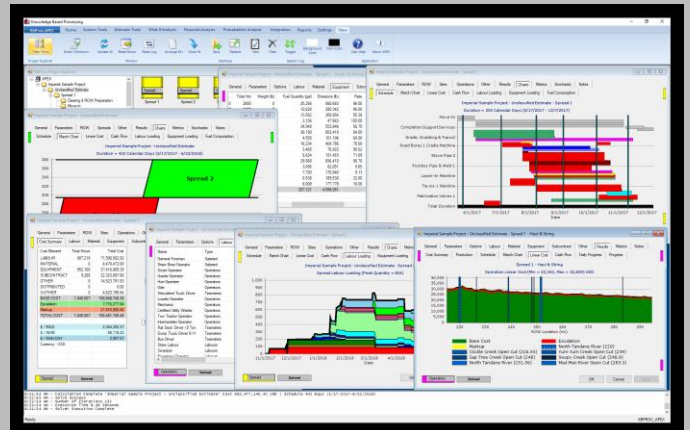
Linear Project Execution Model

Quickly create top-down estimates using benchmarks or from the bottom up using first principles. Choose the methodology and get your project moving.

Developing large pipeline construction cost estimates using APEX is done by breaking the project estimate into spreads with each spread broken down further into the necessary operations to complete the work.

Each operation in the spread is built up from the following resources: labour, material, equipment, subcontracts and any other categorized costs. Schedule relationships between the spread operations can be specified so that sequencing logic becomes part of the estimate model.

Import unit price items from Excel and create other dependent costs as needed. The pipeline construction cost modelling software supports multiple resource databases and includes powerful analytical and reporting capabilities.

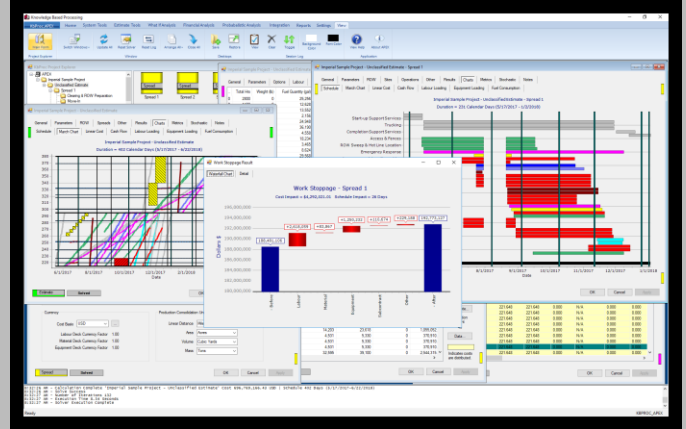Crucially, the system is secure, auditable, robust and efficient.

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Advanced Pipeline Estimating & eXecution Planning

ANALYZE

Deterministic 'What-If' Analysis

Probabilistic Model Analysis

Progress Variance Analysis

Create the estimate model and analyze the results using fully integrated tools.

Deterministic 'What-If' analysis capability provides the estimator with tools to update key cost parameters and review changes. Conduct variable sensitivity studies, model work stoppages, apply operation-specific ROW production rate profiles and clearly understand cost and schedule impacts.

Manage multiple risk registers, create realistic models. Advanced probabilistic estimate analysis using integrated Monte Carlo simulation to produce scatter results, cost and schedule histograms, statistics and contingency curves.

Develop standardized metrics with alerts and validate against past estimates and actual project results. Quickly identify outliers and possible omissions to increase accuracy and reduce risk. Easily copy and modify your estimates. Integrate costs and resources with respect to time and location. Manage multiple versions of the execution plan and compare costs using net present value. Perform variance analysis and assess progress during construction.

APEX includes powerful tools to analyze your estimates and get the job done.

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Advanced Pipeline Estimating & eXecution Planning

DELIVER

Deliver Summaries

Deliver Detailed Reports

Deliver What Your Project Needs

Tabular and graphical results are presented including schedule, resource loading, cash flow and linear cost to name a few. Detailed and summary operation and spread reports output to Excel. Consolidation of the data by cost element and operation type is done automatically with consistent reporting at all levels. APEX high performance pipeline estimating and execution planning software helps you generate estimates efficiently and confidently.

Yes it's time to leverage APEX on your pipeline project!

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