

metaware.

the complete IT modernization solution

Refine® Expert Planner

SOLUTION OVERVIEW

Metaware **Refine expert planner** provides an accurate, reliable and precise estimate of the costs and benefits of mainframe modernization initiatives. The expert system calculates the complexity, ROI, TCO, risks and project costs based on data collected from over 180 successful modernization projects.

ENVIRONMENTS

- IBM z/OS
- IBM z/VSE
- IBM z/VM

BENEFITS

- Accurate and Automated 360° ROI Analysis for IBM System Z Modernization Projects
- Parametric Models and Knowledge Base crafted from 180+ Project Datasets
- Consistent Estimates, TCO Comparisons, and Trade-off Analysis
- Rapid and Comprehensive Business Case Generation

Mainframe Modernization achieves significant benefits for the enterprise, such as lowered total cost of ownership (TCO) and improved agility. However, obtaining accurate estimates of the true value of such a project presents a real challenge. The answer? **Refine® expert planner**, the first Expert System-based application to intelligently combine accuracy and automation to deliver reliable, precise and quantifiable estimates.

Accurately predicting costs and implementation time for straightforward development projects has always been challenging, even when using formal models which use historical data to increase the accuracy.

When it comes to mainframe modernization, the task is even harder. Although the benefits in TCO, productivity and agility are clear, the formal models and data from other projects are inadequate to assess and estimate the effort, cost and timeline of the project, and to quantify the Return of Investment (ROI).

Refine® expert planner from Metaware is the Expert System you need to provide the IT department with a project plan quickly and easily, and to present IT Executives and upper management with a realistic and compelling business case for the investment, overcoming the usual problems of uncertainty and risk of 'guesstimates.'

ACCURACY AND AUTOMATION

Refine® expert planner is the first Expert System-based application which accurately estimates:

- > Mainframe asset analysis (size, quality, and complexity of programs)
- > Project scope, duration, and resources required to complete the project
- > Configuration of a well-balanced target environment to support the workloads
- > Total Cost of Ownership calculation and comparison year-over-year

By using TCO comparison and ROI analysis to simplify and improve decision-making, **Refine® expert planner** tackles the challenges routinely associated with a mainframe modernization project. By providing models, expertise and a 360° return on investment view, you can generate an informed, intelligent and accurate business case based on your environment and what you want your migration project to achieve (gains, strategic alignment, architectural approach, investment returns and more).

Refine® expert planner

From asset analysis and performance requirements, to configuration and financial analysis, **Refine® expert planner** provides an accurate and consistent estimate of the investments required for the project and for the operation of the future platform. The end result is a year-on-year TCO comparison based on accurate facts that supports and simplifies decision making and project planning.

AUTOMATION AND CONSISTENCY

Refine® expert planner consists of four Parametric Estimation Models, each of which rely on the comprehensive Refine® knowledge base.

- > **Asset Analyser** – Automatically discovers mainframe programs and components and maps their size, quality, and level of complexity in terms of migration units of work.
- > **Architecture Configurator** – Automatically designs the lowest TCO scenarios for the target architecture to support migrated applications, taking into consideration requirements such as TP and batch breakdown, performance, reliability, and more.
- > **Project Planner** – Automatically calculates project effort, resources required, schedules and costs, including tests, by using Metaware's repeatable, clearly defined migration methodology that has been developed through real-life industry experience.
- > **ROI Calculator** – Automatically delivers ROI Reports, Payback, Net Present Value (NPV), Internal Rate of Return (IRR), and TCO comparison, including future maintenance.



These automatic and powerful estimation models deliver a comprehensive set of factual and accurate estimates for the project, including architecture definitions and cost calculations. This information, combined with detailed TCO comparisons between the existing and the future environments and ROI analysis, simplifies the investment decision and eliminates the usual risks of mainframe modernization.

ACCURACY

Metaware has a 16-year track record in software migration encompassing 200+ projects. The knowledge gained from these successful projects has been used as the basis of indicators and parameters for creating a formal estimate of the time required for a new migration project. The analysis and delivery processes for the migration is clearly defined and repeatable, creating an accurate formal estimate. Based on proven models, **Refine® expert planner** accurately calculates the effort, schedule, and capital outlay for mainframe modernization projects to ensure that you can make an informed investment decision.

Metaware's Parametric Models measure the mainframe environment (asset) and express it in terms of units of work. The asset analysis (size, quality and complexity of the programs) is used as input into the Project Planner and the Architecture Configurator. These provide cost estimates for a successful migration, target architecture design at the optimized price/RSA ratio, and the calculation of costs such as annual maintenance of the application portfolio, productivity after completion of the project, and TCO analysis.

With the support of Metaware Technical Experts, **Refine® expert planner** serves as the comparison foundation for various options (project estimates, software and hardware configurations), including partial offloading or full replatforming, and leads to the optimum project scope definition.

ROI

By quickly and easily generating a 360° ROI assessment including detailed TCO comparisons customized for your System Z, the decision and planning of what to modernize and why it should be modernized is easily comprehended by each stakeholder.

Refine® expert planner takes only a fraction of the time usually spent on assessing the mainframe environment, defining and sizing the architecture, getting full insights on planning, budgeting and risks for the project, thus resulting in a significantly improved ROI of your mainframe modernization initiative.

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