

zeb/

zeb/**integrated.treasury-manager**

Improving net interest income,
planning actions

treasury

zeb//control –

Increasing earnings, managing risks

An efficient management of financial service providers requires flexible information, planning and analysis tools. The zeb//control product range provides the technical support for managing a multitude of financial controlling, risk measurement and monitoring, accounting and value management tasks.

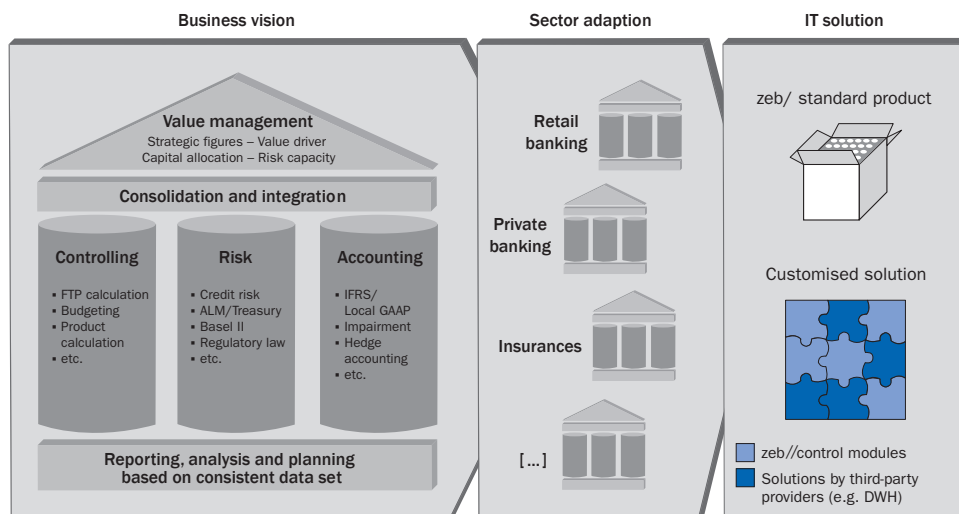



Fig. 1: Functional and technical zeb//control framework

Today the functional challenge – in addition to the required methodological excellence in sub-areas – consists of the consolidation of financial figures across functional areas and strategic business segments. The requirements resulting from various business models are covered by industry-specific adaptations.

In order to ensure flexible and sustainable applicability in this complex context, the technical realisation of zeb//control is based on the SOA principle. The user can define the product range configuration and the standardisation of individual modules freely, enabling a fast integration in existing IT architectures.

The various zeb//control configurations prove to be efficient in daily applications in a multitude of innovative nationally and internationally operating banks. The close interaction of functional and technical expertise is a key success factor for all implementation projects.



zeb/integrated.treasury-manager – Improving net interest income, planning actions

In the financial sector, key profit components are generated through transformation decisions: maturity transformation on the one hand, and liquidity transformation on the other hand. With the zeb/integrated.treasury-manager, a member of the zeb//control product family, we offer you a reliable tool – certified by an independent auditor – for the targeted control of the balance-sheet structure and the related bank-wide interest-rate and liquidity risks. Building on a homogeneous and consistent database, the zeb/integrated.treasury-manager provides an optimum basis for integrated earnings/risk analyses and the development of measures to be taken – both from a period-oriented and a present value perspective. The zeb/integrated.treasury-manager specifically supports you with the following functionalities:

Profitability planning

In the zeb/integrated.treasury-manager, the starting point of planning and control is the overall balance-sheet structure of the bank in combination with the key target values of period-related results. The actual values recorded are used for modelling the future net interest received and the perspective-related – positive and negative – valuation results for interest-bearing financial instruments, in different currencies and in line with alternative accounting rules (e.g. IFRS). Diverse scenarios for the development of the capital markets can be taken into account just like a variety of planning assumptions for the development of the balance-sheet structure or possible interest-rate adjustments.

In the context of further period-oriented planning parameters (e.g. administrative expenses, commission results, etc.), performance can be simulated down to operating results or annual profits and equity development – in all the different planning scenarios. As a matter of course, you can not only break down the profits by interest-spread and structural contributions but also display key profit factors in a condensed form with the help of a comprehensive library of standard reports. Moreover, the zeb/integrated.treasury-manager stands out as it allows you to plan structural contributions in a differentiated way by means of target cash flows and to reconcile present-value and period-oriented result parameters. The software's capabilities are rounded off by a flexible interface function that permits you to integrate further planning components as well as to customise and add reports.

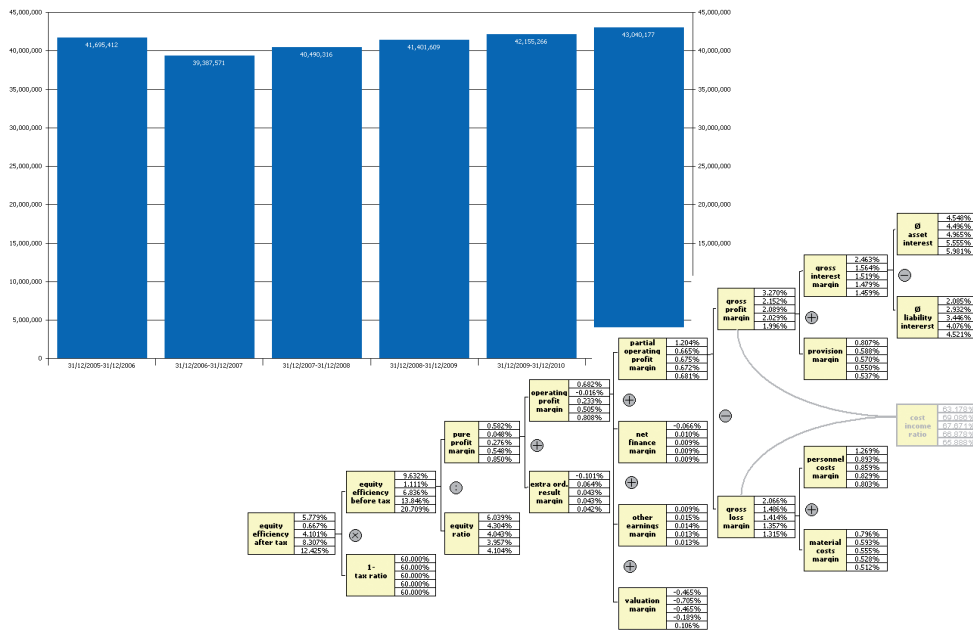


Fig. 2: Development of interest income and ROI analysis

Risk control

Risk measurement and profit management for interest rate and liquidity positions is based on the representation and valuation of cash flows from on-balance-sheet and derivative transactions. As a result, the zeb/integrated.treasury-manager presents the cash flows from the relevant transactions for customers and for own account both from the perspective of interest-rate risk and liquidity. The functionality is not limited to current cash flows: the zeb/integrated.treasury-manager additionally allows you to calculate future cash flows (e.g. with consideration of planning assumptions). Each cash flow can be evaluated on the basis of different yield curves. The individual (basic) positions can be freely grouped into different portfolios and analysed. The cash flows, the resulting present values as well as performance and risk measurement can be displayed and analysed both at the aggregated and disaggregated levels.

Several approaches can be used as a basis of risk measurement: the zeb/integrated.treasury-manager supports not only scenario-based methods, but also variance/co-variance approaches or full historical simulation. Finally, the integrated consideration of performance and risk permits the risk-adjusted valuation of the portfolios. In this context, user-definable benchmarks facilitate the interpretation of cash flows and RORAC results. This lays both the basis for the profit-oriented control of maturity transformations and structural liquidity and creates the conditions for the representation of these risk areas in compliance with MaRisk.

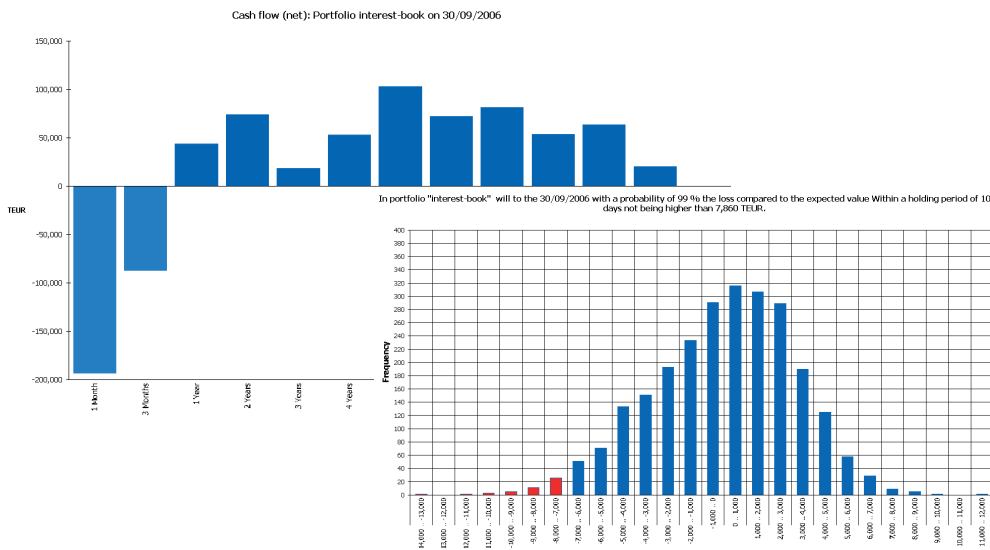


Fig. 3: Gap analysis and historic simulation

Planning of measures

The planning and controlling functionalities are supplemented by comprehensive options for planning measures. Here, the zeb/integrated.treasury-manager supports the simulation and analysis of income effects generated by financial instruments in two ways: On the one hand, it is possible to create user-induced (individual) measures. On the other hand, the software can automatically generate measures for specified target risk levels. For both options, you can simulate and analyse both present-value and period-oriented profit and risk effects. Within the framework of individually created control measures, new instruments can be defined and existing instruments can be closed. The zeb/integrated.treasury-manager supports all the key financial instruments ranging from classic fixed-rate bonds to interest-rate and currency swaps to option-based instruments. The software, of course, can take into account both individual control measures and packages of measures. The generation of control measures by the system provides additional support to treasury management by identifying target volumes and maturity bands and, at the same time, permits the examination and identification of continuous risk strategies across several periods.

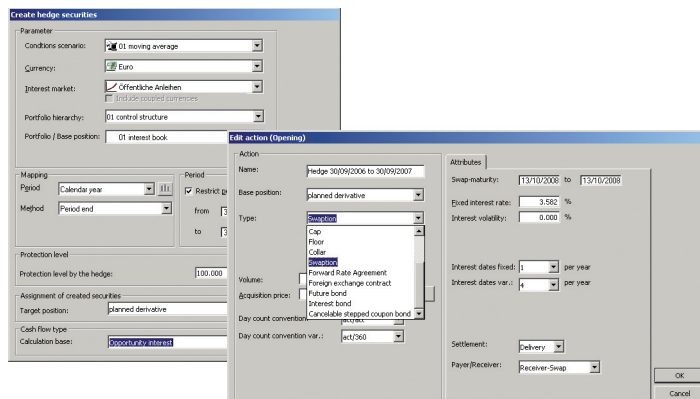


Fig. 4: Planning of measures addressing the balance-sheet structure

Technical basis

zeb//control uses a platform-independent and scalable J2EE architecture that easily integrates into existing processes and system environments. The package includes an extensive authorisation system. An advanced web front-end system enables users to work timely and efficiently and provides for a safe and distribution free operation for administrators.

Our methodology

The introduction of zeb//control is based on our proven customising approach model that includes all administrative and operative project management issues. In addition, our project committees ensure that our clients are always perfectly informed about the project status. The overall introduction process includes our independent and certified quality management. The competent zeb/ support staff is of course available for further questions even after the completion of the project.

Your advantages at a glance

- With zeb//control, you use a controlling system based on integrated and consistent data that supports you in all bank-wide risk management, Basel II and IFRS issues.
- zeb/integrated.treasury-manager forms the basis for controlling results related to the balance-sheet structure, the bank-wide banking book and structural liquidity.
- The representation of different accounting standards (e.g. IFRS) as well as numerous financial instruments for interest-rate and foreign-exchange management in combination with the integration of present-value and period-oriented perspectives meets all the requirements for the income-oriented as well as risk-oriented sustainable control of key risk portfolios.
- The flexibility of zeb//control enables you to easily adapt reports as well as structures according to your institute's individual requirements and to existing concepts.
- The modular zeb//control structure allows for an optimised alignment to specific conditions and the integration into existing processes and IT system environments.
- You use tailor-made software solutions offering a holistic solution through the combination of state-of-the-art technologies with cutting-edge know-how.
- You benefit from competent consulting based on long-term experience in developing and implementing business-critical applications for financial service providers.

zeb//control –

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zeb//control compass – Optimising strategy, increasing business success

- Value-oriented top management reporting across all functional areas
- Value-driver simulations and planning incl. cause analysis
- Focus on strategic figures (e.g. RORAC, TSR, etc.)

zeb//control profit – Precise profitability management

- Transparent and customisable return presentation
- Extensive and practically proven standard reporting
- Ex ante and ex post calculation of all contribution margin levels

zeb/integrated.bank-planner – Centralised and decentralised planning

- Integration of market division and central planning
- Comfortable support of top-down and bottom-up processes
- Automated proposal and allocation of plan values

zeb/credit.risk-manager – Identifying risks, optimising profit

- Analysis of the portfolio structure
- Optimisation of the risk/return structure
- Flexible scenario analyses

zeb/integrated.treasury-manager – Improving net interest income, planning actions

- Integrated present-value- and period-oriented ALM
- Comprehensive action simulation
- Structural liquidity planning

zeb/portfolio.risk-manager – Actively managing and assessing risks

- Compliance with legal trading requirements
- Position keeping and VaR measurement
- Integrated real-time limit system

zeb/basel.II – Ensuring regulatory compliance

- Coverage of standard and IRB approaches
- Loss data base with default management
- Interface to common reporting systems

zeb/operational.risk-manager – Managing and monitoring operational risks

- Systematic capturing of loss data
- Risk measurement by self-assessment
- Risk indicators as an early-warning system

zeb/ifrs – Meeting regulations confidently

- Assessment of all single transactions according to IAS 39
- Cash flow und fair-value hedge accounting
- Automatic posting creation

zeb//control warehouse – Creating an uniform database

- Uniform and consistent database
- Open architecture for flexible extension and integration
- Automatic identification of faulty data in plausibilisator

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