K4 ANALYTICS©

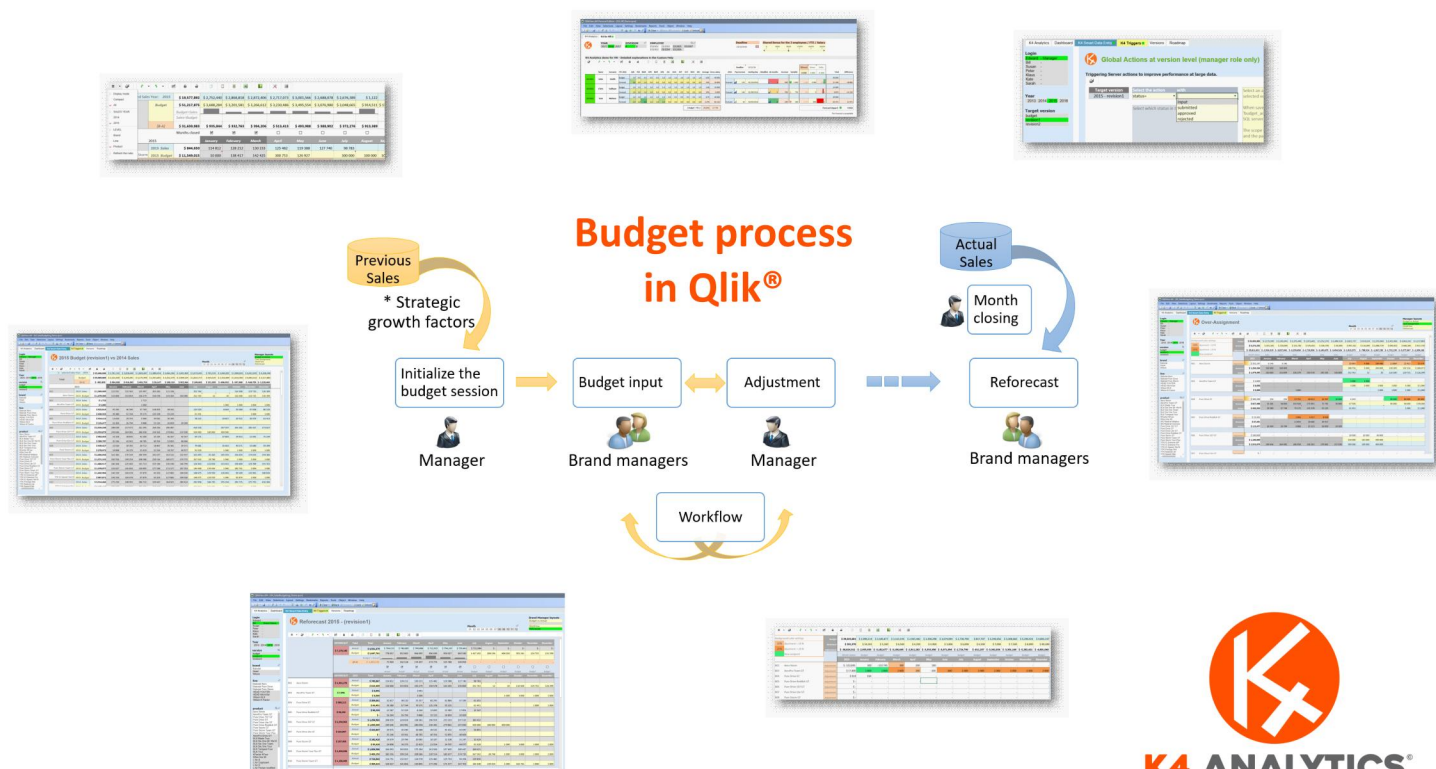## WE MAKE YOUR ANALYTICS ACTIONABLE

What can you do with K4?

You can, for example, use K4 to manage a simple Profit & Loss statement with amazing speed and simplicity: just build the template in Excel®, link cells to data and use it inside Qlik®, users are not required to have MS Excel installed.

And it doesn't stop here ... you can even enter data, text, dates, checkboxes and drop lists in K4, saving on the fly to a SQL database!

In a very simple way you can **lock data** (disable the data-entry) on a cell-by-cell basis through a Qlik® or a SQL expression: you can display actual data for closed month and editable cells for planning months. The locking logic can be as complex as you need: taking into account for example the current date versus the planning calendar and the current user versus the hierarchies.

You can manage a **distributed planning process** with multiple users entering data in a shared database with full control thanks to K4 **Audit Trails** feature.

K4 **does not come with a predefined business model**, you can use it to build exactly the application you need. Consider your business rules, your data models and enterprise database, design your interface with the spreadsheet flexibility to manage your corporate processes, driven by your B.I. platform.

## Budget process in Qlik®

Previous Sales → * Strategic growth factors → Initialize the budget session (Manager) → Budget input (Brand managers) → Adjustment (Manager) → Reforecast (Brand managers)

Actual Sales → Month closing → Reforecast

Workflow

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How does it work

The K4 solution is a web service application driven by the K4 extensions for QlikView® and Sense®. The extension objects let it work seamless in your Qlik applications, in a multi-users & collaborative context.

The K4 extension loads data dynamically from both Qlik and SQL datasets and merges them into an Excel® file used as a template. The final application just requires the Qlik® document.

SQL Data Model RDBMS
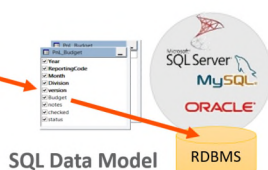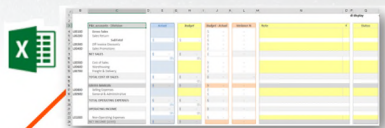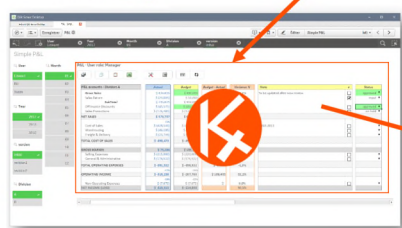
Each cell of the spreadsheet object can:
- reflect live a Qlik variable, dimension, measure or selected value,
- link to one of any preset datasets, driven by current selection
- input data according to value/text/list/boolean/date formats
- calculate values based on Excel® formulas
- write-back the inputted or calculated data to the SQL database
- be reloaded to Qlik 'in memory data'
- leverage Excel® cells format and conditional formatting

In addition, K4 includes a set of rich features for end-user productivity called Smart Data Entry. Among these features:
- locked totals, cells on hold, new total
- conditional read-only by cell, based on business rules
- copy/paste based on external data driven by current selection
- aggregation on the fly with top-down data entry
- distribution based on allocation drivers

P&L

Sales Budgeting

Forecast

Human Resources

Production Planning

and more!

Audit trail, Workflow, Approval process

Allocations, top-down & bottom-up, distributed processes

Budget, Reforecast, P&L, Simulation, Smart Data-Entry, Business rules