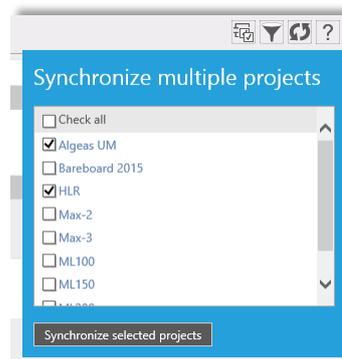


Connectivity

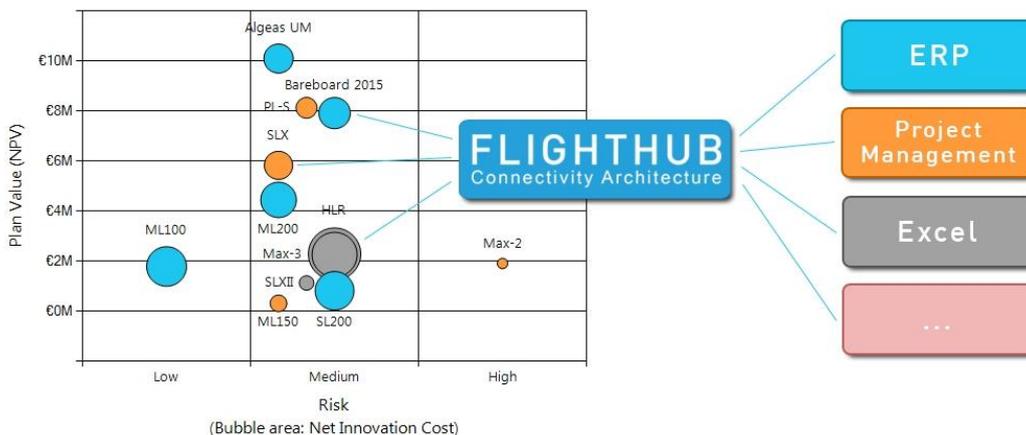
Release 4.1 is the first FLIGHTMAP release to fully implement the innovative connectivity architecture based on the FLIGHTHUB module. This allows FLIGHTMAP to exchange information with a wide variety of external applications in both directions. With the FLIGHTMAP connectivity architecture, a wide range of relevant use cases is covered:

- Linking the FLIGHTMAP portfolio management portal to operational project management and Enterprise Resource Planning (ERP) systems;
- Linking sources of innovative projects and trends to the portfolio in FLIGHTMAP (from sources such as idea management platforms and market report feeds);
- Connect to existing custom databases, spread sheets, and other file storage systems for migration or two-way file synchronization for off-line data management;
- Using FLIGHTMAP as the single dashboard across multiple different project and portfolio management solutions.



Connector support for XML and Microsoft EPM2012 is prepared, other connectors are available on request. See <http://www.bicore.nl/flightmap/functionality-of-portfolio-management-software/flighthub.html> for an extensive description of the FLIGHTHUB functionality.¹

Feature	Description
Link projects to external counterparts	With the right connectors defined, FLIGHTMAP detects differences in the project set and supports the user to link FLIGHTMAP projects to their external system's counterparts.
Detect and synchronize differences	Based on these links, differences are detected and synchronization can be performed under user control.



¹ This connectivity functionality is only available if your FLIGHTMAP portal license is extended with the FLIGHTHUB module and the required connectors.

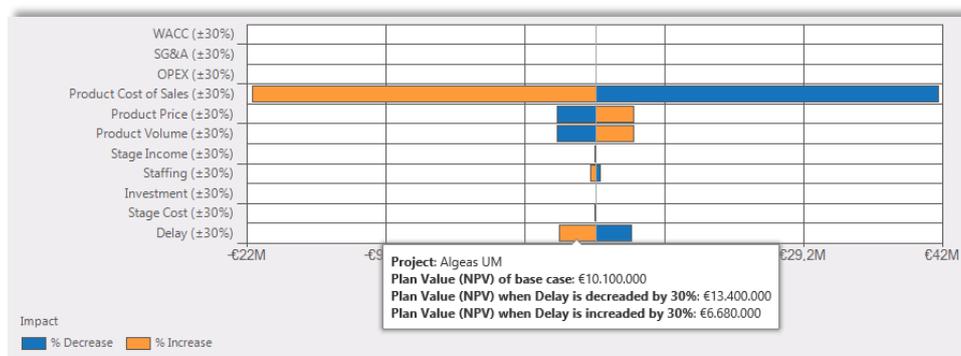
Output enhancements

Feature	Description
Portfolio over time, stacked by portfolio	In the chart Portfolio over time an option is added to display the data stacked by (sub)portfolio. This option is available when portfolio All is selected.
Excel export functionality time charts	For the charts Portfolio over time and Resources (over time) it is possible to export the data stacked by projects and stacked by portfolio to Excel.
Special styling in list overviews	In the list overviews (Portfolio list, Project list) columns can be styled based on their value (bold, color-coded, etc.).
Extended output option configuration	A new configuration page in the system settings (administrator function) allows full configuration tailoring of the data fields that FLIGHTMAP presents in lists and charts. This configuration is available for tailoring the fields for filtering, Portfolio list, Project list, Budget list, Bubble, Funnel and Balance.

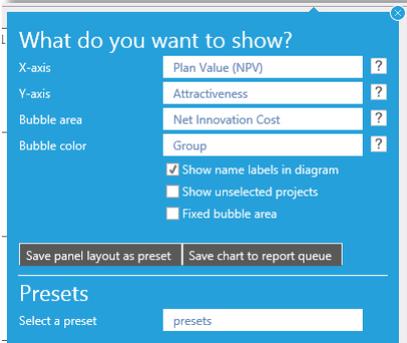
	Data Quality
Market	High
Market	Low
Market	Medium
Market	Low
Market	Medium

Analytical advancements

Feature	Description
Cannibalization	FLIGHTMAP now includes further built-in support for cannibalization of new projects on existing business and of multiple releases over time.
Resource optimization	Resource analysis in charts and constraints can now also include operational and fixed resource demands, on top of project resourcing.
Sensitivity analysis	The sensitivity analysis is now extended to include a wider range of sensitivity variables from the inputs.
New KPI-s	FLIGHTMAP's list of built-in KPI-s has again been extended, with the addition of several common CAPEX, SG&A, and profitability indicators.



Various

Feature	Description
User interface style	The style of some elements is updated for ease of use, e.g. larger titles, and clearer color coding.
	
Performance improvements	Significant performance improvements have been made in the software, especially for large data sets.
Revert warning message	When the user clicks on the revert button a confirmation message is added to prevent inadvertently reverting to the last saved status.
Sign out procedure	The sign out procedure is changed so the screen is not updated when displaying a warning message for unsaved changes.
Switch preferred compositions easily	For the top-level portfolio (All), a single action is now available to switch the preferred composition across all subportfolios at once.
	