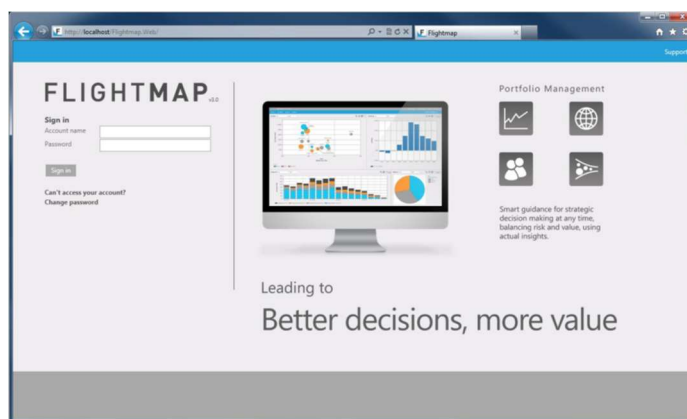## FUNCTIONALITY OF FLIGHTMAP

FLIGHTMAP is Bicore's software solution intended for Innovation Portfolio Management. FLIGHTMAP has functionality to gather, analyse, validate, track and store information for easy monitoring and better decision-making on innovation projects and portfolios.

Typical users of FLIGHTMAP are management board members, managers of R&D, marketing, strategy and new business as well as project leaders of innovation projects.

This data sheet summarizes the functionality of FLIGHTMAP release 5.0.

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Function	Description	Benefit
Portfolio Composition	Composition and comparison of portfolio alternatives from project outlines as well as detailed project plans.	A portfolio of high-value projects aligned with the organizational goals, based on solid business case input.
Project Input	Project input data entry by the project owner or assigned team members	
	Input of project properties, project planning (timing, staffing, costs), risks, and benefits (which markets are addressed and how)	
	Versioning of all input over time to incrementally capture new insights	
	High-level actuals to monitor progress	
	Integrated management of supporting documents and links	
	Annotation of inputs for capturing comments	
	Quick what-if updates for chosen key inputs	
Business Innovation Model	Project partnering configurations (costs, resourcing, as well as revenues are shared with external partners)	
	Build-in support for initial and recurring revenues (with an installed base model)	
	Mix of external and internal funding	
Goal Setting and Monitoring	Explicit definition of business goals and constraints, such as growth, profitability, maximum R&D costs, as well as non-financial targets such as sustainability improvements	
	Management of portfolio balance requirements across different dimensions (stages, type of innovation, markets, etc.)	
	Portfolio checks for contribution to these goals	
Portfolio Optimization	Choice of optimization goals and automatic generation of optimal portfolio compositions within constraints.	
	Signalling of changes in optimal portfolio composition when project data changes	
	Interactive adjustment and combination of portfolio compositions	

Function	Description	Benefit
Insight Analysis	FLIGHTMAP offers powerful and relevant analyses of each project and of the full portfolio.	Address all what-if questions for the portfolio so consequences of decisions are clear.

Function	Description	Benefit
Project & Product Analysis	Full financial analyses (P&L and cash flow), including the financial forecasts over time (of the business case)	
	Risk-adjusted financial analysis with proper inclusion of stage progress probabilities and launch success rate	
	Key performance indicators (KPI-s) per project based on (a combination of) the plan and the actuals	
	Analysis of value (NPV), strategic score, total cost, resourcing, and indicators for project status, data quality, project progress, and risk	
	Sensitivity analysis on each KPI to identify project improvement areas	
Financial and Strategic Portfolio Analysis	Portfolio-level calculation of total financial and strategic impact	
	Analysis of future revenues, profits, costs, cash flows (and their components) for each portfolio composition	
	Strategic scoring mechanism for integrating strategic value in the portfolio analysis	
	Strategic gap analysis and portfolio balance	
Portfolio Resource Planning	Dynamic resource forecasting for each portfolio alternative with proper inclusion of stage progress probabilities	
	Resource demand and supply matching for pipeline management	
	Interactive exploration of postponing projects, bringing in additional resources, and various partnering options	
Portfolio Visualization	Real-time portfolio composition visualizations in X-Y bubble plot, funnel chart, roadmap	
	All resource and financial parameters over time (from revenue to cash flow)	
	Tabular overviews of all projects and their KPIs (with export to Excel)	
	Portfolio balance charts for determining contribution to value, costs, resourcing of individual projects and sub portfolios	

Reporting and exports	Standard user-defined export to Word, PowerPoint, and PDF document for project and portfolio inputs, analysis, and outputs
	On-the-fly report construction during analysis
	All numerical and financial analysis results one-click export to Excel
	Customizable document templates (content and style)

Function	Description	Benefit
Progress Monitoring	On-going tracking of the status of running projects, to complement the planned input.	Include status of running projects as well as new proposals for integral portfolio-level decision making.
Funnel Management	Funnel chart showing progress through stages and planned and actual risk reduction	
	Portfolio roadmap GANTT chart for quarterly planning	
Activity Monitoring	Earned value based progress monitoring for projects versus their planning and signals deviations for re planning	
	Project history over versions in X-Y bubble plot with development of cost, risk, and value over time	

Function	Description	Benefit
Business Intelligence	Use external market and logical developments as input for project and portfolio analysis.	Outside-in market and technology information is built into the decision-making process consistently.
Market Intelligence	Explicit management of market trends (market size, customer value and profitability) with portfolio impact of trends	
	Consistent analysis of all projects targeting the same market, including market segmentation and grouping	
Technology Intelligence	Technology roadmaps with forecasts of technology performance linked to product or service costs with impact of technology trends	
	Technology platform projects linking to derived projects	

Partnering	Assign partners to projects indicating their contribution
	Manage partner data consistently across the portfolio
Scenario Analysis	Impact modelling with scenarios across markets, technologies, and portfolios

Function	Description	Benefit
Process Control	FLIGHTMAP tracks data entry and verifies data quality	Decisions are based on information with a clear status and of sufficient quality

Roles and authorisation	Project leader role: enters, updates, and owns project data, and analyses own project, assign rights to others for viewing or editing their project data
	Portfolio manager role: owns (part of) the portfolio, analyses alternatives, and captures the decision (by approving projects), assign rights to others for viewing or editing their portfolio
	General manager role: assigns portfolio managers to each portfolio
	Analyst role: checks project data by means of project and portfolio analysis, can set status accordingly and create and manage alerts
	Administrators manage the portal and the user accounts, users manage their own account settings (such as their password, e-mail notification, defaults)
Data Quality and Alerts	Data quality visualization for tracking quality issues
	Interactive data quality checklist configuration for the analyst
	Automatic data quality analysis and reporting
	Built-in versatile alert mechanism to resolve data quality issues, remarks and actions
Workflow and Approvals	Customizable workflow and approval mechanisms per project and portfolio, for staged approvals as well as budgeting and reviews
	Quick task overview per user for pending tasks in the workflow
	Task history for traceability and process performance statistics
Defaults configuration	Administrator toolbox for default values, admin settings, user management
	Extensive configuration options for terminology and KPI selection, business logic, and process flow

FLIGHTMAP has the following optional extension modules:

- FLIGHTHUB connectivity module for linking to other systems (including Excel, CSV, XML files)
- SSO module for connecting to a SAML 2.0 Single Sign On infrastructure
- Workflow Automation module for creating and managing custom workflows

Separate documentation is available for these extensions, which are not included in the base FLIGHTMAP configuration.

Technical requirements

Flightmap can be accessed on a computer with an internet connection through Chrome, Firefox, Internet Explorer, and Safari. Flightmap supports the current and prior major release of Chrome, Firefox, and Safari. For Internet Explorer we follow the browser-support policy of Microsoft. Currently Internet Explorer 9 and higher are supported (April 2016).