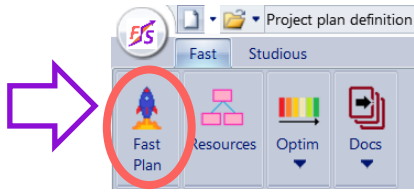# Fast & Studious
Project & Portfolio Planning Software

Fast & Studious is a planning tool enabling generating automatically a schedule, workload, WBS and full pack of project documents and indicators from a compact description of your project or portfolio.

Fast & Studious saves you a lot of time in the definition of your project and will improve drastically the quality of all your project information.
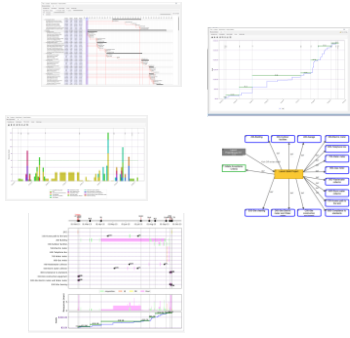
Overview

Fill in project or portfolio minimal description	Launch Fast & Studious building engine	Get a comprehensive set of planning viewpoints, documents, exports

Key Features

- ✓ Smart Project/Portfolio information description
- ✓ Automated generation of activities
- ✓ Activities inputs/outputs generation
- ✓ Precedence links generation
- ✓ Gantt generation
- ✓ WBS generation

- ✓ Project level synthesis
- ✓ Refinement of reviews constraints
- ✓ Available resources management
- ✓ MS Project© export
- ✓ Documents generation (WBS, SOW)
- ✓ Project revisions and variants diff

Fast & Studious
Smart Plan based on Processes

This information booklet applies to Fast&Studious *5.2 release and over*

Fast & Studious is a trademark

Accurate Project or Portfolio description with Fast Plan template

<u>Description of the Product behind the Project</u>

- Product Breakdown Structure
- Compliance with Systems Engineering principles
- Support for organizational containers in the Product Breakdown
- Support for handling product modules

<u>Portfolio description</u>

- List of projects
- Description of projects product breakdown structures

<u>Processes applied to Project or Portfolio</u>

- Select life cycles to be applied to each product from **libraries**
- Define job functions involved with each product and life cycle
- Define related company in case of an acquisition. In an early phase, just consider category of supplier if needed.

<u>Provide estimates for each lifecycle applied to a product</u>

- Cost estimate for a given product in a given life cycle
- Workload estimate for a given product in a given life cycle
- Cycle duration estimate for a given product in a given life cycle

<u>Project logic</u>

- Define Project reviews
- Provide review dates or relative time between reviews
- Specify when life cycle on products start and end w.r.t. reviews

<u>Progressive disclosure</u>

- Modify product tree, applied life cycles and reviews.
- Update project definition and compare with previous versions

2023-07-01	LP+1m	PAM+15d	KO+1m	KO°2m	KO+4m	KO+6m	KO+7m	KO+8m
Project Launch Meeting	Project Agreement Meeting	KO	Start construction	Foundations review	Out-of-water review	Out-of-air review	End of interior work review	End of work review
		Start	End					
			Start		End			
			Start	End				
				Start	End			
				Start	End			
					Start		End	
					Start	End		
			Start	End				
			Start	End				
			Start	End				
				Start	End			
				Start		End		

Fast Plan: project logic excerpt for a House project

Manage available resources

You can specify for each job function the availability over time.

- Forecast of available job function resources
- Import/Export to Excel spreadsheet to fill in resource availability quickly

Resource availability table:

Select schedule strategy

Fast plan: product and associated life cycles excert for a House project

Simulate your Project or Portfolio

Selecting the Fast plan button, you can import Fast Plan and build automatically your Project Plan, this will include:

- Synthetic view of project top level products with job functions involved.
- Reviews scheduling as timeline for all diagrams
- Workload
- S-curve
- Gantt diagram
- Generate default Work Brealdown Structure

Default WBS generation button

Simulation result: project cumulative view

Off the shelf life cycles libraries

We provide you with a set of life cycles adapted to various types of products

- Library of lifecycles consistent with Systems Engineering Life Cycle processes (ISO 15288)
- Adapted to various domains: software, hardware, mechatronics, construction, infrastructure.

Schedule strategies

We provide you with a set of scheduling strategies

- Critical path strategies (start as early or as late as possible
- Taking into account resources availability

Be **STUDIOUS**

Collaboration through viewpoints

Each actor of the project team gets adapted viewpoints to check plan or tune the project w.r.t. his own constraints. This is the basis for a collaborative convergence and commitment to the project definition. Supported viewpoints include:

- Overall view and synthesis
- Viewpoint per product
- Viewpoint per job function
- Viewpoint per organization
- Viewpoint per Worpackage
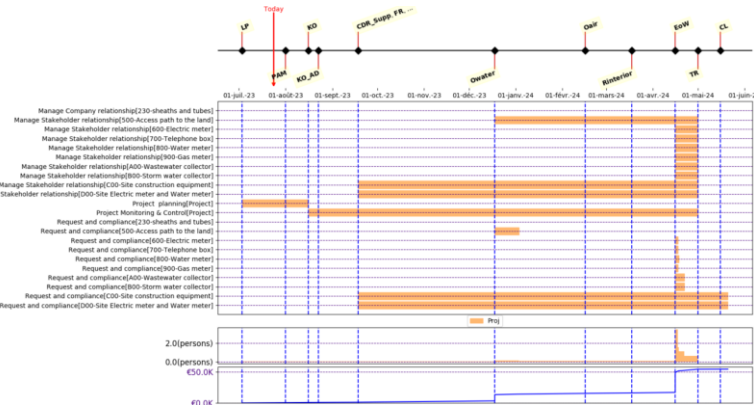
| Example of viewpoint for all activities of project monitoring and control

Manage Reviews schedule

- Define specific product reviews
- Deselect product reviews you don't need
- Define precedence between reviews at every product level
- Define precedence between reviews and activities
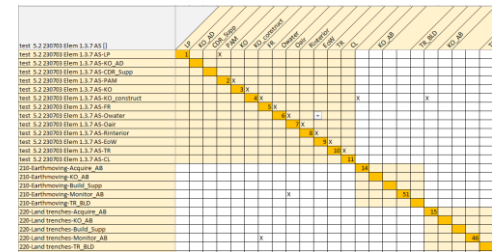
| Excerpt of a table of precedence between reviews

Reviews management menu

Generate project documents

- Project level synthesis
- Product breakdown structure
- Delivered Document List
- Delivered Items List
- Customer Furnished Items
- Workpackages description
- Work Breakdows Structure document
- Statement of Work template for each contract

Docs

CFI Documentation export
DDL Documentation export
DIL Documentation export
WBS Documentation export
WPDxJobFunction Matrix export
WP Documentation export
MS Project export

| Exports menu

Diff between Variants and Revisions

Compare project variants and revision
- Record your current project status
- Compare with another record corresponding to another variant or a previous revision of your project
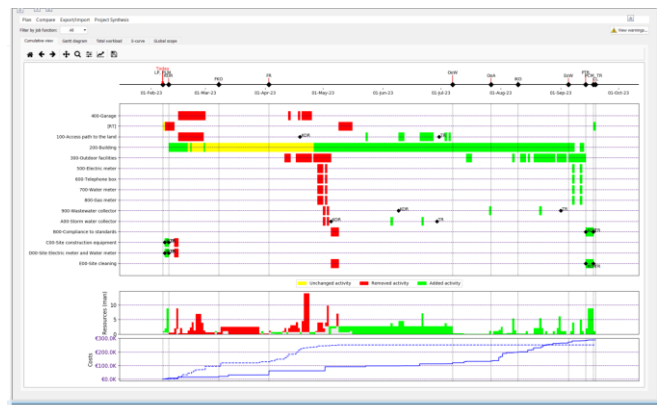
| Sample of project comparison between two house project variants

Tune Activities attributes

- Activities attributes include starting date, ending date, earliest possible start, latest possible end, cumulated workload
- Check all activities attributes in Excel format
- Modify activities attributes in Properties view
- Modify activities attributes from local Gantt view
- update plan accordingly with Activities attributes changes

Product interfaces

- Define product interfaces in N2 matrix
- Benefit from Interface documents inputs and outputs in advanced Lifecycle libraries

Check project information

Project information consistency is checked from many aspects
- Activities without workload
- Cycles between a set of activities
- Items and documents not produced or consumed

Risk analysis support

- 5M/7M standard risks folders
- Risk identification for generated activities
- Risk description and assessment for activities
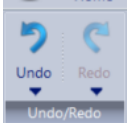- Risk mitigation and planning impact

| Risks management menu

Risks | Portfolio | Project

RBS export
RBS import
Risks identification export
Risks identification import
Risks description export
Risks description import
Risks mitigation export
Risks mitigation import

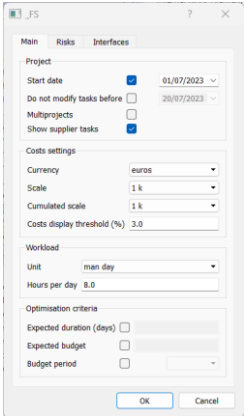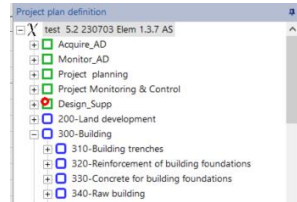| Excerpt of a table suporting Risk identification

Undo/Redo

Undo Redo menu

- Collaborative Undo/Redo
- History of all changes made with their authors

Project Config menu

- Select units and scale for project information (time, costs, workload, currency)
- Define project start date
- Select optimization criteria

Project Configuration menu

Sample of treeview display – Here Product Breakdown structures and activities

User and data administration

- Get a workspace that all your teams can access
- Manage users' rights per workspace: read-only, modification, coordination

Interfaces with other tools and formats

- Export to MSProject is available
- Export to Excel format is possible for each viewpoint
- Custom exports with our python API

Collaboration

- Enable multi-access to the database and manage collisions
- Keep track of any modification by any user
- Multiple parallel access and changes to the model
- Notification message to manage conflictual actions
- Refresh to update modifications by others
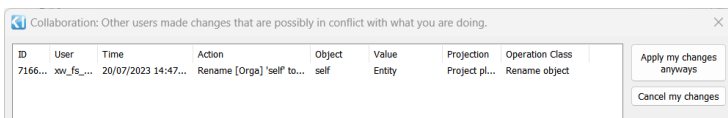
Conflict management window when several users work on single object

Key Advantages

✓ Intuitive tool with short learning curve

✓ Structured description of your project information

✓ Collaborative at all stage

✓ Consistency of the planning w.r.t all dimensions (product, life cycle, project logic, estimates, …)

✓ Native traceability of all activities and their inputs/outputs w.r.t. initial project description

✓ Viewpoints adapted for the project team

✓ Workload profile per job function

✓ Documents automated generation

✓ Knowl how and expertise of support team

Ergonomics

- Navigate in treeviews describing the main breakdown structures of your project
- Navigation: show location of an object, search by name, type, attributes… go to object location in any view and viewpoint
- Visualize parent objects
- Visualize and modify attributes of any object
- simple click for properties, double click for updating viewpoint
- Get the list of objects in the project for any type (activities, items, organization, job function, workpackage...)

Processes description

- **SIPOC** (Supplier, Input, Process, Ouput, Consumer) format description of processes
- Import Export mechanism from/to Excel
- Import several process libraries to cover several domains (software, hardware, mechatronics, construction)
- Specify detailed schedule of each Life Cycle (sequence of processes)
- Specify inputs and outputs for each process
- Benefit from advanced of the shelf libraries and modify them according to your own needs
- Modifying processes is only available with commercial licenses

Sample of a SIPOC description for a design process

Licensing modes

- **Fast & Studious** is a client-server platform
- It is licensed as a cloud or on premise SAAS application under yearly or perpetual licenses
- Evaluation license with limited capabilities is free (100 tasks and reviews – limited space)
- Personal license for small projects (up to 500 tasks and reviews).
- Commercial license is available for 5 named users of an organization with one user max at a time.
- Several commercial licenses can share same workspace for fully collaborative work.

Fast & Studious
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