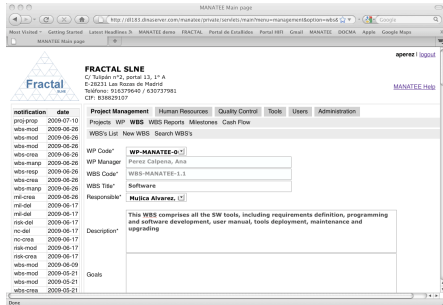


# MANATEE FUNCTIONALITY

MANATEE provides the following capabilities:

## 1. Project Definition and Management

All the information required to track project execution can be defined and maintained in MANATEE by filling the application forms.



Projects details such as planned and real dates, manpower, hardware and software resources, deliveries, objectives, etc. are added to WP, WBS, Milestones and Cash Milestones in order to ease the low level project control.

During the project development, data will be periodically reviewed and completed.

WBS PROGRESS REPORT	
WBS Code	WBS.MANATEE-1.2
WBS Title	Manpower
Responsible	Perez Calpena, Ana
Period covered	2009-07-01 to 2009-09-01
Start date (real)	2009-04-01
End date (estimated)	2012-12-31
Estimated % Completion	70
Total manpower exceeded	No
End planned day exceeded	No
<b>Budget / Cost report:</b>	
Period spent manpower:	10
Total spent manpower:	58
Total assigned manpower:	3000
Period spent other cost budget:	0 €
Total spent other cost budget:	0 €
<b>Comments:</b>	

MANATEE facilitates the generation of the WBS reports, where the project status and the deviations from the planned project parameters: scope, budget and schedule can be identified.

## 2. Human resources administration

MANATEE allows the Human Resources manager to define the hourly cost of each user. The organization staff can fill the weekly PTR (Personal Time Reports).

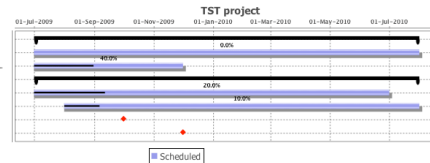
PTR week 33, User: oma  
Monday 2009-08-10 - Friday 2009-08-14

WBS Code	WBS Title	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
WBS-MGR-001-01	Feasibility study	8	0	0	0	0	0	0
WBS-P1-001	Optics	0	4	0	0	0	0	0
WBS-TST-001-02	Feasibility study	0	4	0	0	0	0	0
WBS-TST-001-1	Feasibility study review meeting	0	0	8	8	8	0	0
WBS-TST-002-01	Management Conceptual design	0	0	0	0	0	0	0
<b>Total hours</b>		<b>8.0</b>	<b>8.0</b>	<b>8.0</b>	<b>8.0</b>	<b>8.0</b>	<b>0.0</b>	<b>0.0</b>

## 3. Analysis and visualization tools

MANATEE uses the project and human resources information described in the previous points to generate different reports and graphs, which helps to visualize how each project is being developed and, in general, to manage the organization resources.

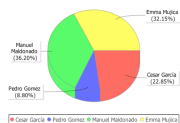
TST (TST project) Gantt Chart



TST Hours Distribution  
Period: 2009-07-01 - 2009-12-31



TST Planned Hours Distribution



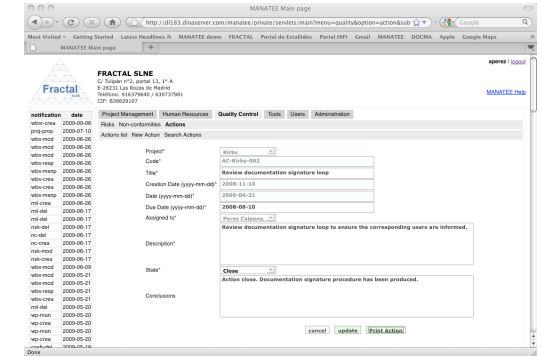
Period Start Date (yyyy-mm-dd)	2009-07-01
Period End Date (yyyy-mm-dd)	2009-12-31
Total Cash-in	850000.0
Total Cash-out	336375.0
Cash-net <sup>(1)</sup>	513625.0

Those analysis provides an overview of project and organization budgets, external expenses, cash-flow, manpower distribution among the different projects, project Gantt charts, people occupation, etc.

## 4. Project Quality control

The application also helps to maintain the quality of the projects by managing:

- ▲ Risks
- ▲ Non-conformities
- ▲ Preventive / corrective actions



## 5. System Administration

User administration:

- ▲ Create new users
- ▲ Modify existing user properties
- ▲ Unsubscribe users

Import WP, WBS and Milestones from an external database.

Database administration:

- ▲ Data backups: Database, Documents and Web application
- ▲ Data restore: Users, Database, Documents and Web application

## MANATEE OVERVIEW

**MANATEE** facilitates the management of the projects that are carried out in an organization providing the overall view of each project and helping to control the three projects parameters (scope, schedule and budget). Besides, **MANATEE** allows a global management of all organization projects, giving the necessary tools to optimize the resources.

The information stored and managed by **MANATEE** includes:

- ▲ Project management data: Work Packages, WBS and WBS Progress Reports, Milestones, Cash Milestones.
- ▲ Human resources information such as the hourly cost for each user and PTR's.
- ▲ Project quality control data such as project risks, non-conformities and preventive and corrective actions.

Different roles (Project Manager, WP manager, WBS responsible, etc.) have different permissions. Access rights can be defined by users and by projects.

**MANATEE** uses a public relational database and provides a graphical user interface based on WEB forms. The main advantage is that there is no need to install any specific software on the client computers; the web browser is enough.

## Why MANATEE is needed in a project?

Software tools help to manage the big amount of information that is generated during the lifetime of any project, which is particularly important for geographically distributed organizations. In this case, it becomes essential to keep the project's information in an electronic format, well organized and easily accessible to all people involved in the project.

The **FRACTAL System & Project Suite** includes:

### 1. System Engineering and Configuration Control

The configuration data management tool, **GECO**, helps to correctly track the system development in order to ensure that the final system meets the initial high level requirements and can be integrated.

### 2. Documentation Management Tool

The documentation management tool, **DOCMA**, helps to keep and organize documents and to improve the internal communication among the different members involved in a project.

### 3. Project Management Tool

The project management tool, **MANATEE**, helps to manage the projects in any organization controlling the three projects parameters (scope, schedule and budget).

All applications can be used in an independent manner or in an integrated way.

A trial license or more information about these tools can be found at:

Web: <http://www.fractal-es.com>

e-mail: [info@fractal-es.com](mailto:info@fractal-es.com)



Management Tool for  
Effective Engineering

<http://www.fractal-es.com>