



# PROJECT MANAGEMENT



**www.asymptote.fr**

# Asymptote, a comprehensive range for Project Management

Didier Vial  
Président & CEO

## FOREWORD



*Without straying from its original activities and its favourite areas, for nearly 25 years Asymptote has been offering a comprehensive range of services in project management, with the principal objective of improving the quality of its interventions and the satisfaction of its clients.*

*Its lasting success is due essentially to the stability of its employees and to their constant progress, connected with the variety of assignments and the continuing technical training. The idea of the team as well, as I see it, has always been fundamental, and enables ASYMPOTOTE to be a leader in its activity today.*

*Since excellence is inevitably a part of this, lasting success depends as well and above all on the human dimensions.*

*A team progresses especially if the individualities who make it up are in the right place for them, if the relationships are based on speaking truth and therefore on respect for people, and if each one knows how to incorporate a share of compromise and of calling things into question when he/she takes a position.*

*By inviting you, our valued partner-clients, to share in these fundamental concepts, ASYMPOTOTE proposes to deal with your technical and industrial challenges.*

*I am personally convinced that it is by persevering in cultivating these values that ASYMPOTOTE will continue, with you, to strive for perfection.*

Didier VIAL

*"The grandeur of a profession resides above all in the unity of its people"*  
Saint-Exupéry

**Asymptote is recognised by the ordering parties of the public and private spheres and constitutes an effective and dynamic partner for your company in the areas of economic, time and technical management.**

**Setting up a team capable of controlling the quality, the implementation costs and meeting deadlines is the sine qua non condition for a successful project.**

After 25 years of experience, Asymptote has a loyal team of more than one hundred engineers and technicians who will bring you operational and functional solutions for complete supervisory management of all the phases of your projects (from initialisation to commissioning).

Asymptote operates whatever the size of your project, in France and abroad, for comprehensive assignments or as an integrated team. Whether on behalf of national or international companies, time and again Asymptote has given proof of its effectiveness and of its know-how in the implementation of major projects coming from numerous activity sectors.

## INDUSTRIAL FIELDS

PHARMACEUTICALS

CHEMISTRY

ENERGY

OIL & GAS

EXPLORATION AND

PRODUCTION

RENEWABLE ENERGY

NUCLEAR TECHNOLOGIES

AUTOMOTIVE INDUSTRY

FOOD INDUSTRY

IRON WORKS

CIVIL CONSTRUCTION

COMMUNICATION

DEFENSE

## Certifications



## Full 360° adaptability

Asymptote is in a position to offer the integration into your organisation of a team connected with your managers. It is capable of working in application of your procedures, of its procedures, or rather of procedures developed jointly and completely adjusted to the specific details of a case.

## Active win/win participation

Beyond providing a traditional service, Asymptote is determined to demonstrate to its clients its sense of duty and its professionalism, by setting up innovative and fixed price solutions, possibly matched with a bonus-malus system, thus signifying its determination to participate actively in the success of your projects and its mastery of skills and know-how.







# Our activities



## COST CONTROL

**ASYMPTOTE** offers you solutions for controlling costs through the application of methodologies developed depending on your organisation.

These methodologies will most often be oriented toward obtaining the following results :

- **Controlling costs** via a refined analysis of the expenditures invested with regard to the budget for your project and its breaking down, of the negotiation for additional work, or any amendments

to the basic transactions. This budgetary control will be done with the help of computer tools or of your dedicated ERP by the keying in of the commitments and the comparison of the commitments with the provisional expenditures.

- **The estimation of costs at completion and the expression of the trends:** development of graphics of productivity such as the BCWS (budgeted cost of work scheduled), ACWP (actual cost of work performed curve), BCWP (budgeted cost of work performed curve).
- **An analysis of the discrepancies and the trends,** accompanied by recommendations and corrective actions.



## DEADLINES CONTROL

**ASYMPTOTE** offers to manage the duration of your project during all the different phases: Studies, Project Contracts, Procurement, all Building trade works, through the mobilisation of an organic unit of one or more people

reporting to your project head.

This unit will ensure the overall assignment of controlling the deadlines, monitoring resources, checking the physical progress and issuing the associated reports.

In the preliminary phase, the unit will very specifically take on the writing up of the procedures, the structuring of the project (**WBS**), the formatting of the different planning software programs (MSProject,

Primavera, PSnext, OPX2, etc.) and the development of the schedules according to different levels of detail. This first phase will be completed by establishing a tree structure defining the responsibilities and areas of competence of each operator (**OBS**), and through a study of the optimisation function of the available resources.

In the implementation phase we will develop, according to a pace adapted to your project, analyses of the progress of the project through the intermediary of the appropriate tools (S curves, statistical analyses), the retiming of the tasks «Remaining to be done» with determination of any new critical paths, all matched with proposals for corrective actions in the event of drift.



## THE MANAGEMENT OF TURNAROUND

Thanks to its confirmed determination to move forward constantly with detailed, widely tested and specifically developed methodologies, today **ASYMPTOTE** is a leader in the field of managing turnarounds.

Our service provision is most often proposed as a fixed price transaction on the basis of quantities and a scope determined by the client's specifications.

In general it includes: the definition of needs with the development of a collection of task requests accompanied if necessary by a challenging phase,

the detailed preparation of maintenance works tasks on the stationary equipment of pipes and taps, putting together requisitions for tenders for consultations of external companies.

On the margin of these missions, we can carry out the booking and the management of equipment referred to as bulk material and of the long lead items, as well as the complete management of the logistics aspect of the work site.

The set of these services is always finalised in a complete report of return of experience, in particular, the technical file as constructed.



## PROCUREMENT CONTROL

In the last few years, on many occasions **ASYMPTOTE** has supplied integrated assistance for Purchases of a technical nature on numerous projects.

With this wealth of experience, and at the request of our Clients

that want to optimise their organisation, we have developed a methodology which allows us to ensure, in agreement with the ethical rules associated with the profession, fixed rate services in Equipment Purchases and Project Contracts.

This study, carried out in close collaboration with our

principal ordering parties, generated the process described by the block diagram below.

Backed by this methodology and our general and specific procedures, **ASYMPTOTE** is in a position to offer, through fixed rate solutions or technical assistance, to handle all or a part of your purchases, on your behalf, at the technical conditions specified and at the best costs.

Moreover, concerned with demonstrating to you its full determination to effectively defend your interests, **ASYMPTOTE** is willing to match its remuneration conditions with bonus-malus clauses.

# Multi-field expertises

## DOCUMENT CONTROL

Through its actions oriented toward an organisation classified by category and time, and rigorous management of all the documents, graphical or written, documentary control is the tool that is complementary and indispensable to the techniques of project management.

By the drafting of lists of documents, of rigorous records, it will make it possible to reliably track the history of your project, and will constitute a library, a database, that can be consulted during and after the implementation.

**ASYMPTOTE**, with the help of traditional information technology tools, dedicated or specifically developed, can offer you the chronological management of all your documentation classified by category, origin and typology. This service can be completed by archiving in paper and/or digital format.

actors of a project (Contractor, Project Manager, Companies, Subcontractors, etc.) and to decide at its own convenience about the measures to be taken, and the contractual strategies to be adopted.

## CONTRACTS FOLLOW-UP

This essential assignment makes it possible in an initial approach to identify the key dates that have a cost and deadline consequence for a project.

The phase that follows consists of a contractual analysis of these noteworthy events, and of simulations of the consequences they will lead to (financial or regarding timing) for the rollout of the project.

As a final step, **ASYMPTOTE** issues proposals for approaches to be undertaken, essentially based on the contractual obligations of the parties concerned.

Such an approach makes it possible for our clients to be informed in real time of the faults or breaches of all the

## RISKS ANALYSIS

Every project, whatever its complexity and its size, is subject to unforeseen turns of events internally and externally, which can sometimes severely threaten the objectives that have been set. In order to minimise, prevent or avoid the harmful effects of these unforeseen events, **ASYMPTOTE**, as a neutral operator, offers to carry out for you, with your close cooperation, an analysis of risks, based on four successive sections.

- The organisation of a « Brainstorming session » in order to register a detailed list by category of the potential risks, and to research and classify the causes of each risk.
- From these discussions, and from the experience of the operators, to analyse the modes of faults, their effects and their criticality, thus making it possible to evaluate the probability of occurrence of each risk, as well as its seriousness (FMEA approach).
- Define the thresholds of acceptability of the risks.
- And finally to develop the data sheet of each risk including in particular the monitoring of the risks, the corrective actions to be undertaken and the schedule for their application.

## TECHNICAL CONTROL

Within the framework of your new works or maintenance projects, **ASYMPTOTE** can place its technical expertise at your service in the preparation, the guiding and the technical supervision of your projects, in disciplines such as boiler work, piping, structural steel work, civil engineering, electricity and instrumentation.

Our expertise can be offered to you in all industrial sectors, and particularly in petrochemicals, refining, nuclear energy, heavy chemicals and pharmaceuticals.

This technical assistance can entail joining your organisation of experienced technicians and engineers, or mobilising a full team managed by a leader.

In the latter case our intervention can be offered to you in the form of a fixed price based on a perimeter defined in advance. This is the basis upon which our leader will be tasked with reporting to you regularly on the progress of our activities.

## TRAINING

**ASYMPTOTE** organises training courses focused on project management, especially planning with introduction to the use of a computer tool of your choice, such as PRIMAVERA or MS Project.

**ASYMPTOTE** offers you sessions at pre-programmed times or on dates adapted to your needs, in its premises or at the place of your choice, thus allowing greater flexibility.

Our training courses, theoretical and practical at the same time, are generally organised over three days, around concrete cases

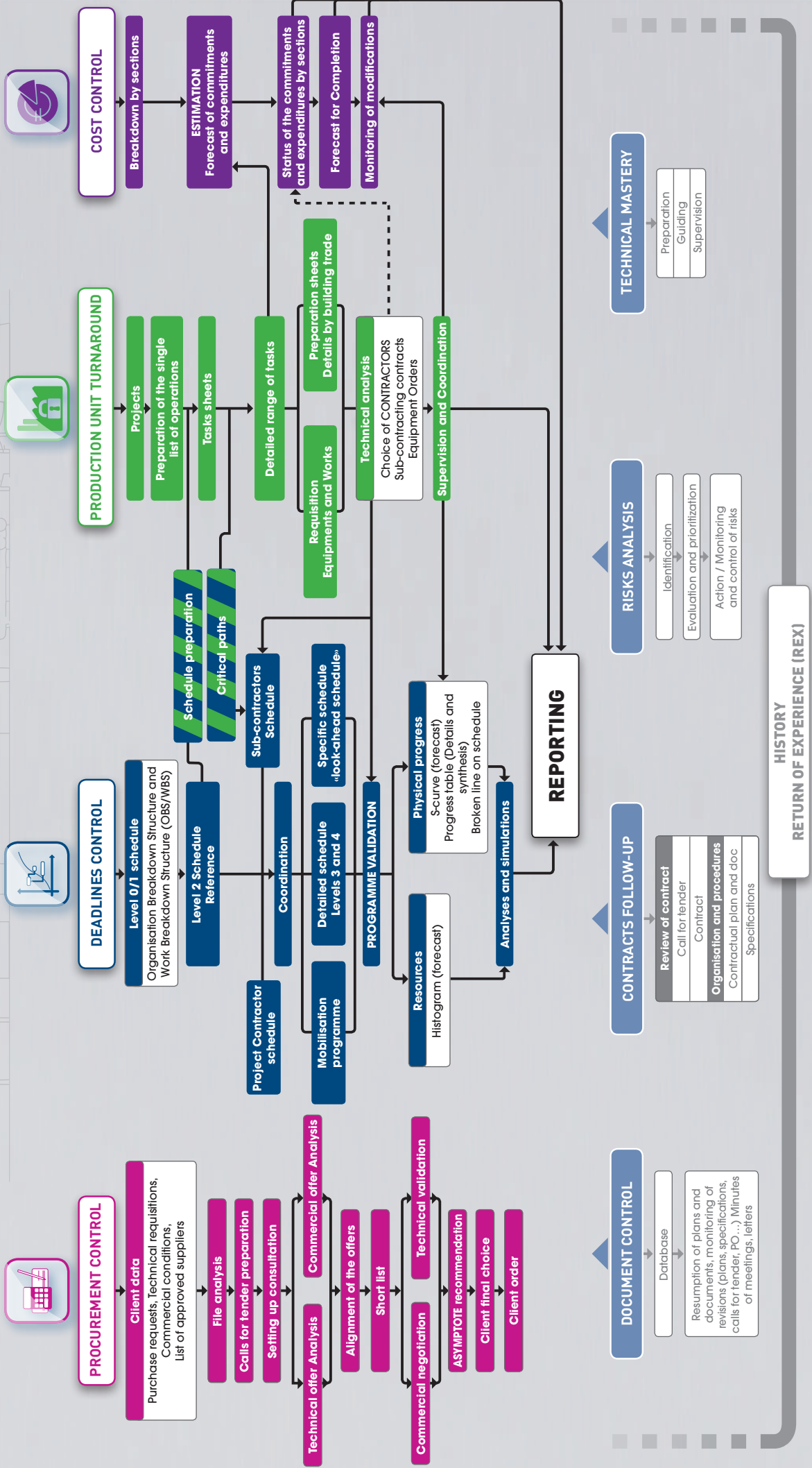
such as the planning of a turnaround, or of a multidisciplinary project of an industrial nature.

They are also an opportunity for meeting other participants from different industrial sectors, for exchanges and debates between companies on our activities.

They tackle the chapters of the structuring of projects, initial planning, resource allocation, verification of schedules, monitoring the physical progress, and reporting.



# Our activities



# Main References



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