### **Projects & Project Management**

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### **Project**

The word *project* comes from the Latin word *projectum* (to throw something forward). The word "project" actually means "something that comes before anything else is done".

Typical characteristics of the projects are:

- Temporary (they have an end);
- Unique (they are not repetitive);
- They produce deliverables (determined results);
- Uncertainty in COSTS and TIMES of realization;
- Involvement of numerous "actors".

### Other correlated definitions are:

- Program: a long term plan, including more projects;
- Work package: a short term work; many WP can constitute a project.

### **Project**

The companies that typically operate by projects (but are not the only ones) are:

- Construction industry;
- Industrial systems;
- ICT;
- Shipbuilding;
- Aviation industry;
- Engineering (i.e. civil works).

### **Project Management**

Systemic management of a complex, and unique activity with limited resources.

It is the discipline of organizing and managing resources in such a way that these resources deliver all the work required to complete a project within defined scope, time, and cost constraints

### **Project Management**

The Project Management takes care of the management of specific activities until they achieve the desired goals through planning, budgeting and control.

The management of the plans consists:

- to establish a plan of job with evidence of the temporarily critical activities;
- to define a resources' program (persons, tools and materials);
- to construct an economic budget (estimated costs);
- to follow the work in progress (times and costs);
- to prepare the documentation of the plan.

### **Project Management**

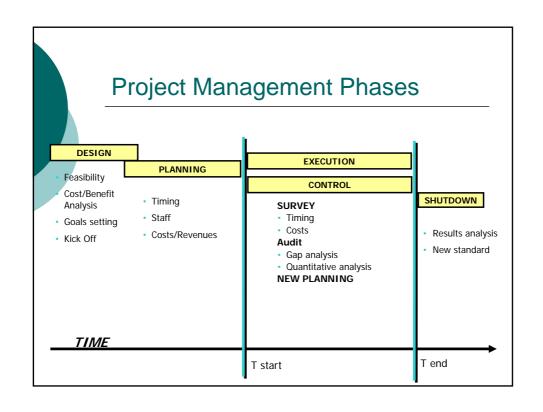
- Advantages of the Project Management:
  - Improvement of the decision making;
  - Improvement of the communication between customer, company and suppliers;
  - Support to the total quality processes;
  - Greater transparency of the actions;
  - Reduction of the risks;
  - Increase of the business efficiency.
- The diffusion of the PjM is increasing in Italy and in the World

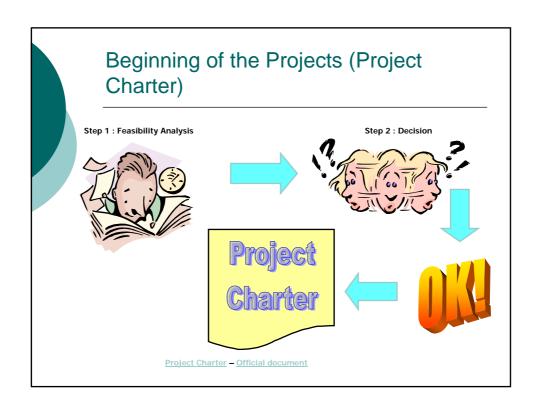
## Many ways to conceive the plan

- Work in progress (approach of the professional bureaucracy)
- The net of Actors
- Opportunity of learning



# Many ways to conceive the plan The balance of 2 requirements Leadership Problem Solving Groups Negotiation Goals WBS Budget Report Many ways to conceive the plan Leadership Problem Solving Groups Negotiation





# Project Charter: definitions

The Project Charter represents the official beginning of the plan.



