

BUSINESS SCENARIO:

STREAMLINE PROJECT PLANNING AND EXECUTION OF DELIVERABLES.

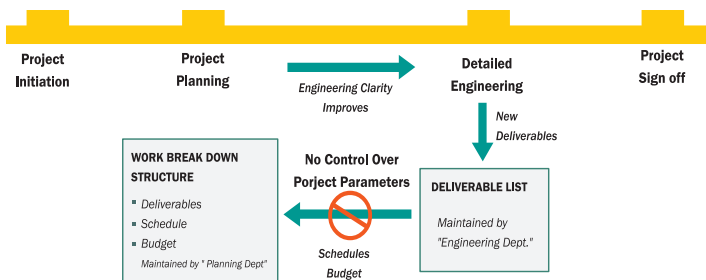
The implementation strategy usually adopted for the project delivery process for EPC companies is twofold. In the initial phase the Planning department and assigned project manager identifies the project team, defines a schedule and budget based on approximations. In the actual execution phase the engineering department adds more deliverables to the initial budgeted list. Ideal quality enforced systems require immediate notification to the planning department but sometimes the updated deliverable list is not communicated to the planning department leading to a chaotic situation outlined below:

Take for instance a typical situation in any engineering company. Following is a conversation during a weekly project review:

- Mr. Chris (Project Manager):** Get me the engineering deliverable list and project status report.
- Mr. Mike (Planning Engineer):** We are in deep waters here, engineering deliverable lists out 2000 documents, but project status report only lists out 1700 documents.
- Mr. Chris (Project Manager):** Why is this happening again and again?. Now how do I know what is the actual time spent and budget consumed? You have to clear this mess.
- Mr. Mike (Planning Engineer):** The problem is not with the Work break down structure; rather engineering guys missed out few deliverable/drawings during the planning phase and later on adds them to the deliverable list.
- Mr. Chris (Project Manager):** But we have procedures to handle such situations.
- Mr. Mike (Planning Engineer):** They are only in paper not practised.

When Mike says "Procedures are in Paper, not practised"-he is talking about the failure in enforcing the project delivery process.

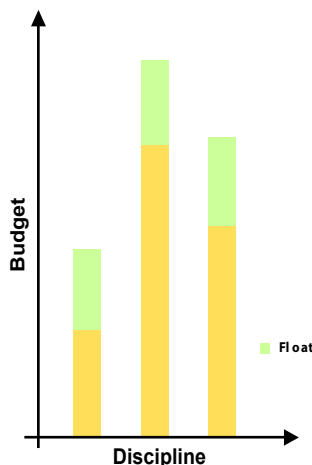
THE CRUX



During project initialisation the planning department creates a register of deliverables with schedules and budget which is given to the Engineering department. As the project progresses the engineering department adds new deliverables to their deliverable list. If a Quality management process is in place then such updation could require a set procedure that communicates the new deliverables to the planning department who would reflect the changes in their budget and schedule. But communication lapse may cause a situation in which the planning department ends with a deliverable list that is outdated and is unable to steer the project on the proposed schedule and cost.

HANDLING SUCH SCENARIOS

Actually all engineering companies anticipate the conflict that can occur between the initial planning and the actual execution deliverable list. The planning department allocates a floated budget and accommodates the extra work in the float as the project progresses. If the quality process is enforced meticulously then there will be a mechanism by which the planning is notified as and when new deliverables are added so that it is reflected in the floated budget. Specific Reports illuminating this like Float Vs Consumed can also be generated so that any alarming situation can be immediately curtailed.



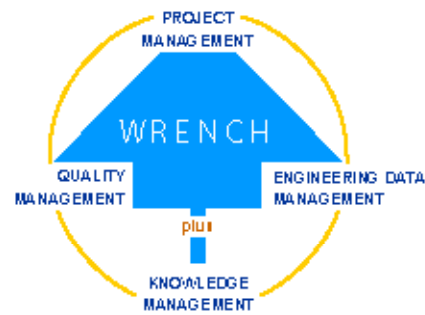
But the problem is...

- If the quality management system is enforced manually; then sometimes the customary notification processes that were supposed to have been taken by the Engineering department is waived due to the mounting pressure from the client.
- You might have meticulous planning department, state of the art Engineering team and a close looped Quality management process but the project fails because the process is on paper and cannot be enforced.
- The engineering team and planning team work on diverse platforms and rely on manual notifications.

If this project was executed on a single platform that integrates project control, engineering data management and enforces processes then there would be no room for such communication lapses.

STREAMLINE PROJECT PLANNING AND EXECUTION OF DELIVERABLES WITH WRENCH-ENTERPRISE

Wrench-Enterprise is an IT platform that integrates project management, quality management and engineering data management.



Monitor your schedule

When a project is on Wrench the Planning department and Engineering department work on a single register that can be accessed from anywhere.

Project Status reports that highlight Budgeted Vs Floats can be extracted with ease from the system.

Enforce procedures

Waiving a quality process cannot happen in Wrench since the quality management process is the only process available

Manage deliverable

When a new deliverable is added to a WBS in Wrench, the system extracts the budget, schedule and detailed information.

Whenever a new deliverable is added to the Workbreakdown structure the planning department receives automatic notification regarding the same.

The typical scenario after implementing Wrench Enterprise

- Mr. Vivek (Engineer):** Jack, I got to release a new deliverable today.
- Mr. Jack (Document Controller):** Route it through Wrench so that document gets queued up for transmittal release.
- Mr. Vivek (Engineer):** How do I do that?
- Mr. Jack (Document Controller):** You have to create a task for this project in Wrench and Mike is only the one who got rights to do that in the system.
- Mr. Vivek (Engineer):** Mike, Please create a task for this project in Wrench for the new deliverable, but I don't understand why a new task has to be created to add a deliverable rather than sending the deliverable to the document controller.
- Mr. Mike (Planning Engineer):** Now, If I create a new task, budgets and schedule is automatically distributed to the new deliverable automating the procedure. I have created the task and assigned the workflow, now you have to login and route the deliverable to the document controller.
- Mr. Vivek (Engineer):** Jack, I have routed the deliverable to you, please release the transmittal to the Client.
- Mr. Chris (Project Manager):** The system is great, I get a clear picture of Budgeted Vs Actual and even Float assigned Vs Float Consumed without depending on my resources and even when out of office.
- Mr. Jack (Document Controller):** Right Chris! I don't have to run around to gather document and update client comments..