



Change Processing System

By I Cubed Ventures, LLC

Problem Description



The ***Engineering Change Process Systems*** that have been developed by I Cubed Ventures, LLC serve the needs of small and medium size companies that need to track changes to their products for commercial reasons.

What I Cubed Ventures, LLC brings to these companies is the ability to do this in a very cost competitive process. This allows the companies to spend their capital on products & product development instead of new servers and infrastructure during critical growth periods.

We have developed several systems for companies and can configure one of our systems to match your needs.

Problem Description

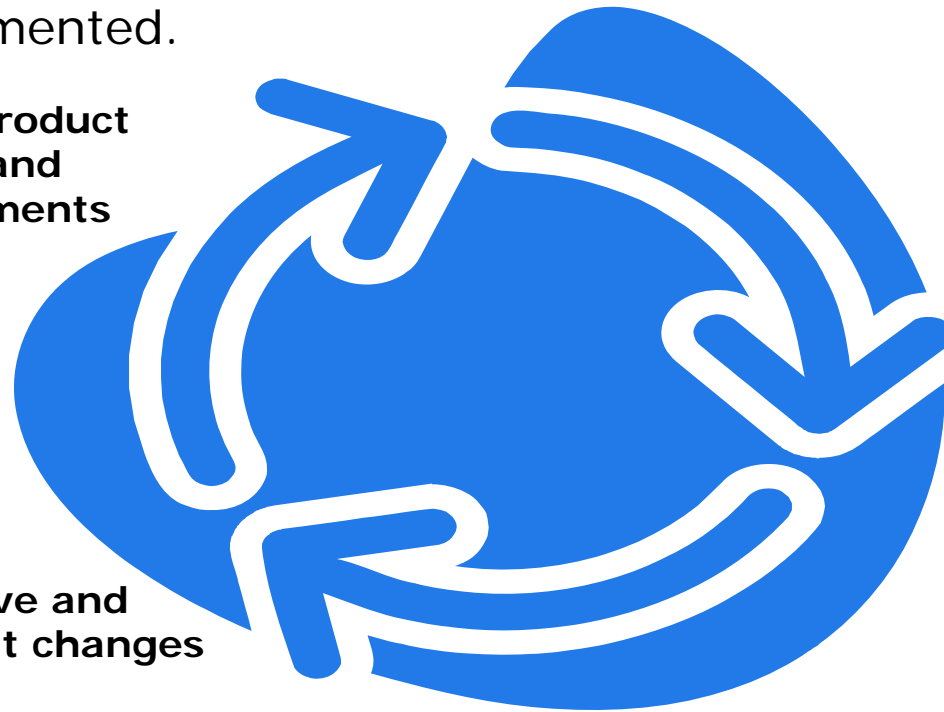


The engineering change process for most companies is usually a *continuous development process*. Engineers get new product ideas or enhancements. Then they need to document these and have them reviewed by different CFT Members. The CFT Members may be such participants as: Tooling Engineers, Manufacturing Engineers, Quality, Purchasing or Materials. Once the review is done, the document can then be approved and the changes implemented.

**Develop Product
Ideas and
Enhancements**

**Approve and
Implement changes**

**Documented review
and approval of
changes**



Problem Description



Small and medium size companies can sometimes struggle with the capital expenditures that are needed in order to bring large PLM systems on line. This can normally run into the millions and also cause a significant impact on the business while the roll-out process is going on.



System Overview



The ***Engineering Change Process System*** developed by I Cubed Ventures, LLC:

- Allows users an electronic process to develop, review and approve product design changes.
- Can easily be customized to match your current processes, minimizing impact on the users.
- Provides for a good methodology for systemic process improvements.
- Uses Lotus Notes/Domino technology which allows for:
 - Allows for local and remote use of system
 - Secure access and approval tracking

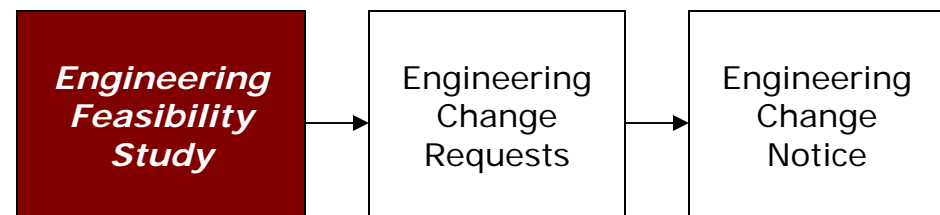


System Overview



The ***Engineering Change Process System*** has two basic configurations, from there, I Cubed Ventures, LLC will enhance the system to match your processes.

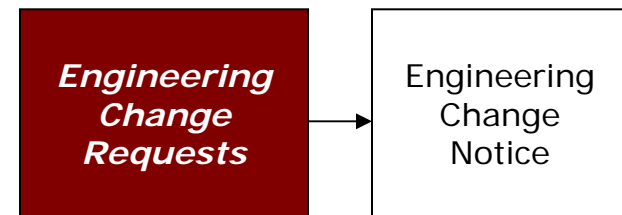
1. This configuration starts with a Engineering Feasibility Study. Users can then merge the studies into a Change Request and then send that for approval. Once that is approved, it will be changed into a Change Notice.



System Overview



2. This configuration starts with a Engineering Change Request. Once the change is authored, it can then be sent for approval. Once that is approved, it will be changed into a Change Notice.



Both configurations can be enhanced to match your companies current processes. This allows users to quickly embrace the system and allow your company to focus on what it needs: New Products and Product Improvements, while not diverting that focus to implementation of the system and the struggles of launching it.

Dynamic Application



The ***Engineering Change Process System*** provides users with a dynamic application.

1. Provides ability to customize CFT members and questions: This will allow the changes to be routed to the correct CFT Members for your organization and it will also allow you to ask the questions of these members that you need answered for managers to make good business decisions.
2. Provides the ability to implement a Team Feasibility document if needed.



Dynamic Application



3. Tracks the delta of the bom changes:
This allows the Math data to be kept in the CAD systems, and then allows the CFT to focus on the changes to the product, specifically the costs, functionality and manufacturability of the change.
4. Allows for a central repository for marked up prints and related drawings.



System Automations



There are several other system functions that are available that enhance the users ability to process changes in a timely manner, and to review bottlenecks.

These functions include:



Escalations: To help ensure that changes get processed to meet customer needs we have the ability to implement escalations depending on your companies configuration they can be sent to the approvers manager, a program manager or a general change control point. Once again this is dependent on your companies needs.

System Automations



Systemic Metrics: There are several different metrics in the system. These allow you to quickly see who still needs to sign off on changes, when they are overdue, and more.



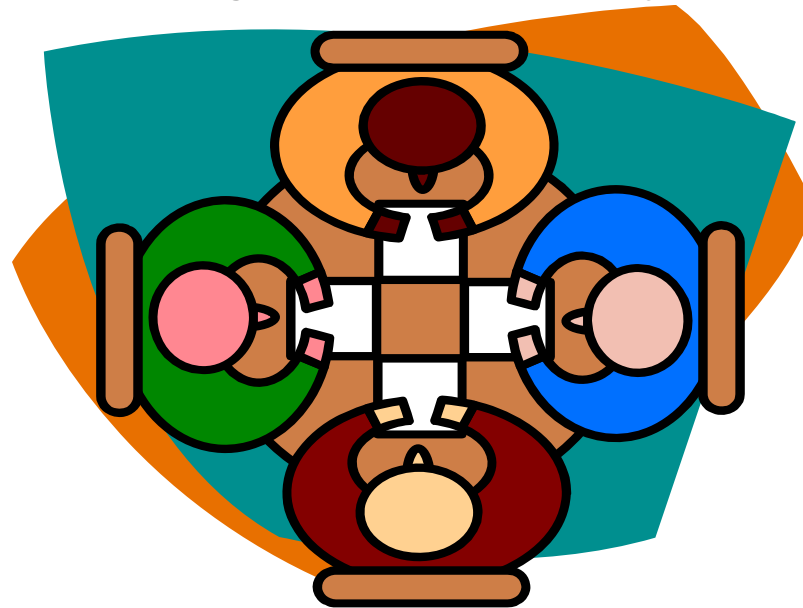
Notifications to expedient approvals: When routing changes through the system, it automatically sends out notifications to the next approvers. This allows them to quickly react to the new assignment.

Implementation



The steps for implementation of the *Engineering Change Process System* is very simple:

1. Definition and understanding of what your processes are and the requirements for the workflow.
2. Upgrade the system to meet your specifications.
3. The Notes Application gets loaded onto your Domino Server.



Summary



Overall, **Engineering Change Process Systems** provides users with numerous advantages providing your company with an excellent Return on Investment.

We can also provide you with all your Production needs for the **Engineering Change Process System** including: Maintenance, On-Site Training and future upgrades.

For further information on the **Engineering Change Process System** by I Cubed Ventures, LLC and other services, please contact sales@icubedventures.com or call us at 1-734-347-6934.