



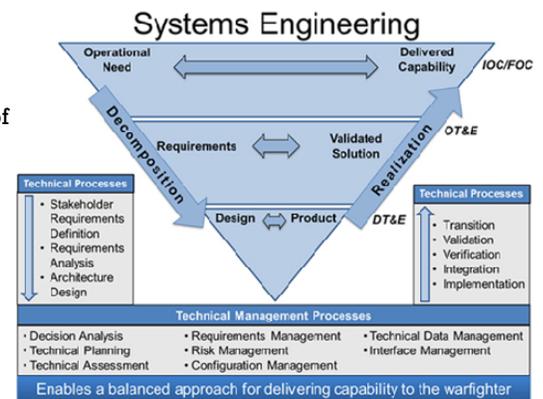
Integration of IoT within your Validation & Verification Process

All “Product First” thinking companies look at innovation and rapid new product introduction into the marketplace as the driving force for sustained company growth and prosperity. One of the key differentiators is the organization’s ability to bring innovation to market faster, with quality that exceeds customer needs/demands. The main question being asked is “How”? We believe a key answer and differentiator to the “How” question, is integrating a connected validation/verification process and technology into your product development process. We believe the 3 keys are:

1. Embracing a Systems Engineering Approach.
2. Development of a Configured Product Development Environment.
3. Integration of the Validation and Verification environment with “Real Time” visibility and information to drive “Quality” that is designed in that delivers a quality product to market.

Embracing a Systems Engineering Approach

Systems engineering is a methodical, disciplined approach for the design and realization, of new products from concept to retirement. The key item is the philosophy around viewing the product as a complete “system” that is made up of a construct/collection of different elements that together produce a desired result. All the components and sub-systems are defined to deliver a particular capability and/or feature. They all play an important role and have interdependencies with one another. The overall approach provides a roadmap for designing components, sub-systems and the overall product. While also providing the framework to define the key parameters and specifications that are needed to deliver the capability/feature with the needed quality. In essence it allows a company the ability to design new products with the needed visibility and impact understanding in the context of the overall product, no matter what particular component, sub-system an engineer is responsible for.

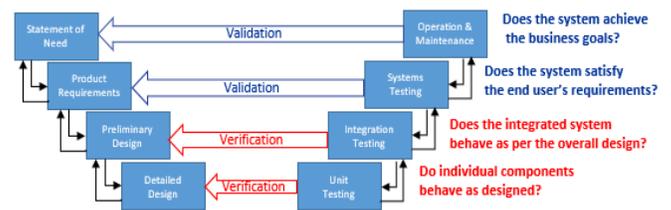


Development of a Configured Product Development Environment

In order to embrace the Systems Engineering Approach, your company needs to incorporate a configured product development environment as their backbone of information. The idea of providing a product bill of materials with a configuration management approach, that starts from the innovation cycle and product development process, provides the “right” information for the organization to work on and design new products. This allows for the needed visibility for the internal organization, as well as for key external suppliers and development partners, to improve an organization’s ability to deliver product to market faster, as well as to minimize errant work on old configuration of design and development. This is where Product Lifecycle Management (PLM) is key to delivering this efficient environment for organizations.

Integration of the Validation & Verification environment with “Real Time” Visibility & Information

We believe a key differentiator for organizations is the creation of a continuous closed loop product development environment. This needs to include the integration of the validation and verification process into the main product development process and also provide “Real Time” visibility of product testing results and how well these results compare to the design specifications. This provides the needed capabilities to deliver quality product to the marketplace faster than your competition. The integration of IoT technology into your R&D and Engineering laboratories, is the key to unleashing this information to your internal and external employees.



We at DRIVEN-4, believe that an integrated IoT approach within your Validation and Verification processes, will deliver a substantial value and benefit to your organization and your ability to deliver new products to the marketplace faster with better quality. We have the expertise and experience to help your company achieve these results!

Give us a call at 269-281-7567 or email us at info@driven-4.com to discuss!

Coming in August: Integrating your New Product Introduction Processes into PLM