



**DYNAMIC INNOVATIONS** is a full service engineering firm specializing in new product design and development. The D-Inno team

has the expertise and resources to take projects from concept through production on time and within budget. We develop products from the ground up and are capable of completing most projects, from start to finish, all under one roof.

## OUR SERVICES

### PROJECT MANAGEMENT

Our Project Managers work with our clients to

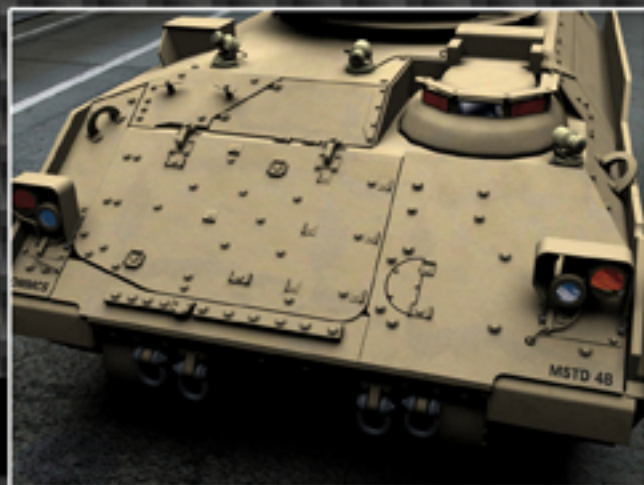
- Define the scope of the project
- Create a project budget
- Prepare detailed schedules and task lists using MS Project



This process allows us to manage our resources, ensuring that the project is completed within the defined scope, quality, time and cost constraints.

### INDUSTRIAL DESIGN

Our team of designers will bring your product specifications to life. Using rapid sketching and computer modeling we will illustrate various alternatives, which can then be evaluated for aesthetics, functionality and ergonomics. Upon choosing a concept, our designers begin refining the design in Pro/E and rendering it in 3D Studio Max. Both still images and animations are used to give a realistic and accurate depiction of the product in its target environment. Full motion video animations of the product may also be provided to the client for in-house presentations and training purposes. We complete the process by providing a full range of model-making services from simple mock-ups to fully functional CNC machined and fused deposition prototypes.



### MECHANICAL ENGINEERING

Our highly trained staff of mechanical engineers has extensive experience working with Pro/E, 3-D solid modeling software. At D-Inno there are no walls within our design/engineering studio in order to facilitate a collaborative environment. This enables our team to take the product from concept to production in a synchronized effort.

### ELECTRICAL ENGINEERING

Our electrical engineering capabilities include:

- System architecture, including x86 and ARM architecture for embedded systems
- Schematic capture
- PCB layout and routing including high speed digital, multi-layer designs
- Testing and debugging
- Micro-controller firmware
- CPLA/FPGA programming
- Power supply design
- Membrane keypad design
- Operating system configuration and integration
- Support for Windows XP Embedded, Windows CE and others

### SOFTWARE ENGINEERING

In addition to our substantial electrical engineering capabilities we also boast the ability to work with embedded programming for micro-controllers and PC BIOS customization. We develop utility applications for Windows based systems. Languages utilized include Assembler, C, C++, C#, and Visual Basic.

### PROTOTYPING

In order to ensure functionality of a design prior to production, we provide our clients with high-quality prototypes. Using fused deposition modeling, RTV molding and CNC machining, our design and engineering departments work together to model, print, program, machine, and assemble your prototype all under one roof.

