

# REACHING YOUR DESTINATION

What is the ultimate goal of your development project:

- A new product launch?
- Develop a functional prototype?
- Resolve an existing product issue?

Whatever your goal, it can always be defined through a series of key deliverables which form the building blocks for a successful final

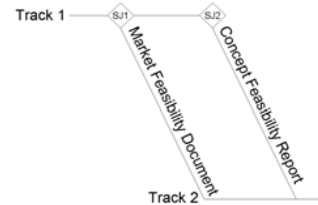


**Which way is your project headed?**

product. With over 24 years of experience in product development and manufacturing, Groesanoak Product Development, Inc., knows that the quality of the deliverables truly defines the success of the project. Therefore, we focus our project management philosophy on the project deliverables. We take the time to identify the deliverables needed to ensure the successful completion of the project. The project plan is then developed around those deliverables and implemented by our engineering staff. This method ensures that when the project is completed, the related deliverables meet the customers needs and are within the time and budget expectations.

## CHARTING THE COURSE

The On-Track product development process identifies the key deliverables and their interactions in order to optimize the project timeline. Instead of generating a serial view of the process,



**On-Track Deliverable Connection Example**

the On-Track process creates parallel activities or tracks with multiple connections between each track. These connections are referred to as switch junctions and they allow deliverables to be transferred to the next track as they are completed and needed. The basic tracks and key deliverables of the project are:

- Track 1: Concept Development/Feasibility
  - Concept Feasibility Report
  - Market Feasibility Report
- Track 2: Project Planning
  - Project Schedule
  - Project Plan
  - Product Requirements Document
- Track 3: Detailed Development
  - Product Drawings and Specifications
  - Assembly Procedures
- Track 4: Prototyping and Test
  - Engineering Prototype
  - Prototype Device History Record
- Track 5: Pilot Production
  - Process Capability Study
  - Process Validation Report
  - Product Market Evaluation Study
- Track 6: Full Production
  - Production Product

**GROESANOAK PRODUCT DEVELOPMENT, INC.**

## MANAGING THE OBSTACLES

The On-Track process provides multiple tools for managing the obstacles that are inevitable in any product development project.



**Planning for the obstacles around the bend.**

First, Innovation Ignition Workshops provide a series of tools to define the project and keep it moving forward. These tools include Problem Statement Evolution, System Function Analysis, Directed Problem Resolution and Sustainable Product Design. Second, the Switch Junctions are a key tool used as a means for evaluating the progress of the project and ensuring that the deliverables are properly completed. Switch Junctions provide frequent review of deliverables through the use of design, document and management reviews. These frequent reviews can provide a means of determining a path to resolve project issues before they become problems.

## DELIVERING THE PRODUCT

When your project goal is a new product launch, the Design Transfer Switch Junction is critical. This junction combines all three types of junctions; management, design and document reviews. The deliverables are finalized and the entire team brought to agreement for the production launch.