

# R&D and Innovation Management Training: Successfully Transitioning Projects from R&D to the Department of Defense Programs of Record



**R&D and Innovation Training Leader:** Mr. Has Patel is President of Infologic; Inc. Before founding Infologic, he worked for AT&T Bell Laboratories and GlaxoSmithKline Pharmaceuticals. He has over twenty five years of experience in product management, R&D planning, and development of Innovation Management methodologies.

He publishes a monthly newsletter - "The Art & Science of Innovation Management" for the Defense community. Patel holds a MS in Production Engineering.

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## Training Objective

This training program concentrates on the challenges that the Department of Defense (DOD) and their prime contractors face in transitioning the Science & Technology (S&T) Portfolio to the Programs of Record. According to a [DOD Report to the Congress on technology transition](#), these challenges include: (a) disconnect between the S&T, Engineering and acquisition organizations, and (b) ever escalating costs, and the time it takes to field the weapons to the war-fighters. To address these challenges, this program introduces methodologies and best practices for the government and industry managers.

## Who Should Attend

This training program is oriented to (a) DOD S&T Laboratories and Acquisition Program Management Offices (PMOs), and (b) DOD prime contractor's Independent R&D (IR&D), Engineering, Product Development, Technology Transition, Business Development and Business Process Re-engineering organizations.

## Training Program Strategic Contents

This program will be tailored to meet your specific requirements, and will derive from an Infologic-developed corporate course for the University of California, Irvine (UCI), titled: "Successfully Transitioning Projects from R&D to Commercial Product Offerings". This program incorporates the following themes.

- **Converting the Art of Innovation Management into a Science:** Why Innovation Management?, Challenges of Innovation Management for Government and Industry, Global Innovation and R&D Management directions, Innovation and R&D maturity analysis using the CMMI® (Capability Maturity Model Integrated) framework.
- **Best Practices to manage R&D and Technology Development:** R&D and Technology Management Challenges, Valley of Death, Stage-Gate Process, Technology Hype Cycle, Technology Adoption Cycle, Innovation Cash Curve, Critical Research Elements (CREs) and links to the DOD/FAR 5000.2 mandated Critical Technology Elements (CTEs)
- **DOD S&T issues, strategies & emerging contractor clauses :** Current DOD Acquisition, Technology & Logistics (AT&L) strategies & issues for S&T and Technology Management, the role DOD contractors to address these issues, current and emerging standards for technology, manufacturing and Systems readiness levels, and GAO recommended Knowledge-based Gate Process.
- **Infologic Methodologies:** Introduction to **iModel™** (Innovation Management **Model**), **TechIP™** (Technology & Innovation Planning), and **InnovaTE™** (Innovative Technology Environment) methodologies. These methodologies were published at a number of technology management conferences, including the 24<sup>th</sup> Army Science Conference, 12<sup>th</sup> Systems Engineering Conference, and a DOD R&D Management Roundtable.

## Course Logistics

We will discuss your organization's challenges and goals and then work with you to customize this training program to meet your needs.

This program may be divided into a number of modules. For example: (a) An executive module to introduce the Innovation Management model, (b) Senior management module to introduce the best practices, and (c) R&D management methodologies module for the project managers, scientists and engineers.