

# Consultancy and Training Services: Enterprise R&D, Engineering and Manufacturing



**Consultancy and Training Leader:** Mr. Has Patel is President of Infologic; Inc. Before founding Infologic, he also worked for Bell Laboratories, Glaxo Smith-Kline Pharmaceuticals, and BP Chemicals.

He has over twenty five years of experience in High-tech venture development, R&D Planning, Business Development, Product Management, and R&D efforts to develop Innovation Management methodologies & tools. Industry expertise includes Aerospace & Defense, Pharmaceuticals, and Software.

His research interests include Innovation Management, Analytics, Technology Transition, and STEM. He holds BS in Mechanical Engineering, and MS in Production Engineering.



**INFOLOGIC**

The logical approach to harness Innovation

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## Issues Addressed

It is widely accepted that there is a high degree of risk moving R&D projects and emerging technologies to commercial products. This results into wasted R&D investments, unmet Product technology needs, and substantial increases in the Product development budget and time to market.

These problems can be attributed to (a) Undefined or poorly defined processes and relationships between the R&D, Engineering and manufacturing processes, (b) Lack of effective metrics to measure R&D portfolio and the emerging technologies, (c) Managing the Product innovations only; but not managing related innovations in to the Processes and Execution strategies, and (d) Not leveraging federal, academic and global R&D programs..

To address these issues, Infologic has developed three Innovation Management methodologies. These are (a) **iModel™** – Innovation Management Model, (b) **TechIP™** – Technology & Innovation Plan, and (c) **InnovaTE™** – Innovative Technology Environment. Using these methodologies, Infologic has developed a consultancy and training program for the corporate R&D, Engineering and Manufacturing organizations.

## Program Topics

This program consists of the following seven modules:

1. **A boarder notion of Innovation:** An enterprise-wide innovation management framework, I=P2E, meaning Innovation is a *function of* (Product, Process, and Execution).
2. **Global Innovation directions & Public Sector Policies:** United States Innovation Agenda and Federal R&D Funding; Global R&D Directions and R&D funding; Leveraging United States federal and academic R&D programs.
3. **Technology Transition: R&D Labs to Commercial Products:** Emerging commercial and federal government R&D Management best practices
4. **Multi-Dimension Product Risk Analysis:** A comprehensive product risk reduction model
5. **Technology Readiness Analysis (TRA):** A nine-step Technology risk reduction maturity Analysis
6. **Manufacturing Readiness Levels (MRLs):** A manufacturing risk reduction analysis
7. **Product Life-Cycle Management and Knowledge-based Gate Process:** An enhanced Innovation Management Gate process.

## How to Leverage Infologic Expertise

Infologic concentrates exclusively on Innovation Management thru research, consultancy, and training. Based on the above seven modules, we can offer:

- **Innovation Assessment and consultancy:** (a) Discuss your specific Innovation, R&D and technology management issues; (b) Prepare an assessment & recommendations report, and (c) Provide customized consultancy services which are based on the above Infologic-developed methodologies.
- **Training:** (a) Develop and deliver customized R&D and Innovation Management training to the R&D, Engineering and Manufacturing organizations, (b) Develop and deliver learning asset to enable the STEM workforce to innovative by teaching them the 21<sup>st</sup> century innovation-enabling skills.