

# Infologic Research Overview: TechIP™ – Technology and Innovation Plan



## Issues Addressed

The White House report, titled: “A National Strategic Plan for Advanced Manufacturing” states that “.....The acceleration of innovation for advanced manufacturing requires bridging a number of gaps in the present U.S. innovation system, particularly the gap between research and development (R&D) activities and the deployment of technological innovations in domestic production of goods.....”.

To address these issues, Infologic conducted research to develop a model which may help the advanced manufacturing enterprises to develop an Innovation and Technology plan.

## Overview - TechIP™

The model has four components – (a) Requirements Manager (**rManager**): Review user needs and technology opportunities; (b) Selection Manager (**sManager**): Select Critical Elements (Research and Technology); Maturity Manager (**mManager**): Conduct maturity analysis, and (d) Manage Open Innovations (**oiManager**): Manage and Integrate internal and external R&D and emerging technologies.

**Principal Investigator:** 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

### Infologic Inc.

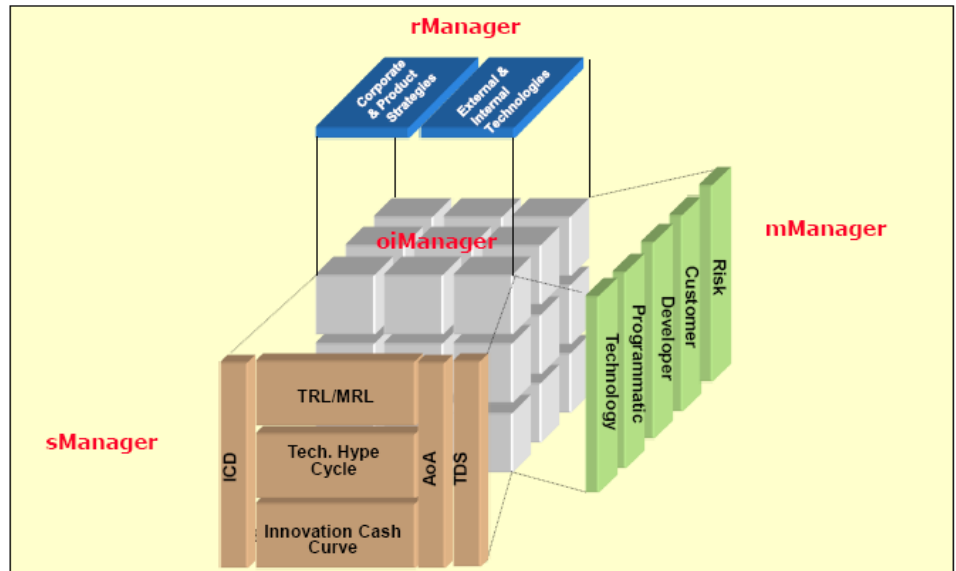
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**rManager** deals with identifying the R&D and technology needs based on an enterprise’s strategies, mission, and operational needs.

**sManager** incorporates a number of federal government, academia and corporate developed processes, including ICD (Initial Capabilities Document), TRL/MRL (Technology Readiness Levels/Manufacturing Readiness Levels), AoA (Analysis of Alternatives), TDS (Technology Development Strategies), Technology Hype Cycle, and Innovation Cash Curve.

**mManager** is a comprehensive maturity analysis which is designed to help the enterprise’s to reduce the risk of R&D and product development, by conducting various analyses. A number of R&D organizations use a range of methodologies, tools and processes to conduct such analysis; however, these are not integrated; hence do not produce desired outcomes. This recommended integrated approach is divided into five categories, namely Technology, Programmatic, Developer, Customer and Risk.

**OiManager** is a collection of enterprise’s software systems which provides the necessary tools, repository and reporting mechanism.