

Manufacturing	Pharmaceutical	Healthcare	Portfolio	Logistics	Financial	Government	Business
Case Study	Project Review	White Paper	Value Proposition				

## Six Sigma Implementation Challenges

Six Sigma is a disciplined program or methodology for improving quality in all aspects of a company's products and processes. The primary concept is to define quality metrics CTQ's (Critical to Quality) that are important to a customer and then understand the relationships between the inputs to the product or process and the outputs (metrics).

ProModel's knowledge of the Six Sigma Methodologies (DMAIC, DMADV, DFSS) combined with our expertise in simulation technology and broad industry consulting experience allows us to provide clients with a capability to help them get the most value from their Six Sigma programs in the least amount of time.

### ProModel Simulation Solutions Complement and Enhance Six Sigma Initiatives

Simulation is just one of the many software tools used in a Six-Sigma initiative; however it is one of the most important. Within the analyze and improve stages of the DMAIC methodology, or the analyze and design stages of the DMADV methodology, simulation is a powerful software tool because of the following value and benefits it provides:

- Simulation takes into account process variances, uncertainties and interdependencies
- Simulation can test many alternative solutions quickly and easily
- Models can be developed with little risk and no disruption to existing processes
- Simulation takes the subjectivity and emotion out of decision making
- Animation features make simulation a good tool to help sell others on the best solutions
- Reusable models encourage continuous improvement
- Impact on upstream or downstream customers/operations/processes can be considered

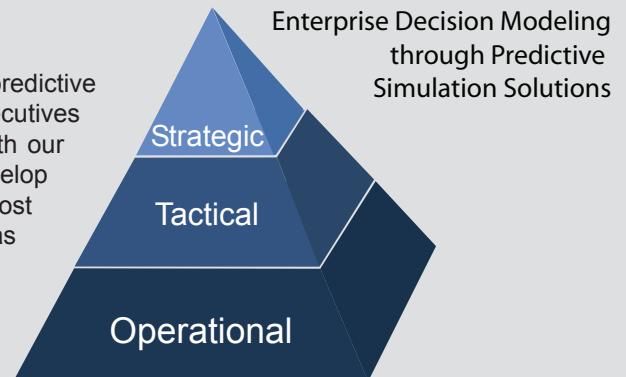
# DMAIC

Experiment to **ANALYZE** how the system responds within the model

Develop total continuous **IMPROVEMENT** strategy in a risk free, dynamic environment

## ProModel Solution Methodology

ProModel Corporation excels at delivering enterprise predictive analysis solutions that empower managers and executives to make better decisions—faster. We work closely with our customers to understand their business, then jointly develop a customized solution for their specific situation. Most customer engagements resolve an immediate issue, as well as provide a tool which the client can use to solve future problems.

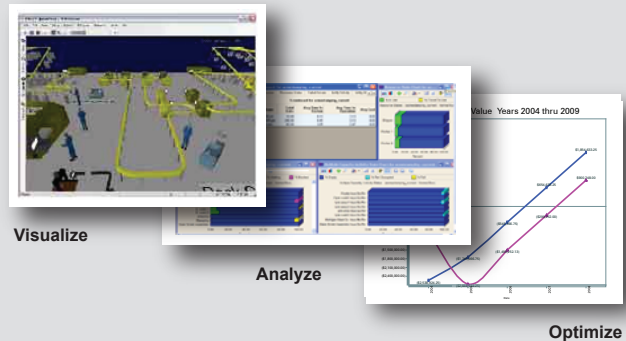


## ProModel People

ProModel's people are what really make us unique to our customers. Our teams consist of experienced people in all facets of the company from our customer account managers to our technology development and consultant teams. Virtually our entire consulting staff is either Six Sigma Black Belt or Green Belt certified in addition to being certified simulationists.

## ProModel VAO Technology

ProModel's VAO (Visualize, Analyze, Optimize) technology began with a solid simulation software product that was the result of three and a half years of development and field testing to carefully align software capability with user needs. During the initial stages of product development, customers using ProModel for modeling healthcare and service systems began requesting features specifically tailored toward their needs such as user friendly terminology, industry specific modeling constructs, and icon libraries. These comments led to the parallel development of three distinct yet similar products that would run under the Windows operating system, namely, ProModel, MedModel, and ServiceModel.



**Better Decisions—Faster**

ProModel Corporation continues to listen to our customer resulting in a continuous expansion of simulation technology offerings including.

- **Process Simulator** - Microsoft Visio ® based flow chart plug-in
- **Project Simulator** – Microsoft Project® based project planning plug-in
- **Portfolio Simulator** – R&D, Strategic & Portfolio Planning application
- **Ed Simulator** – Emergency Department Planning and Improvement application
- **AST** (ARFORGEN Synchronization Tool) – Army Forces Planning application

## ProModel Brief History

ProModel Corporation's journey began on August 4, 1988, in Orem, Utah, when it was founded by Charles Harrell for the purpose of providing easy-to-use, powerful, and affordable simulation software products and related services to industrial simulation users. In the mid-1990's ProModel added a consulting team to help provide simulation solutions for customers who did not want to develop simulation modeling as a core competency.

In December 2002, Pfizer Inc., a major customer, joined us on our journey as an investor in ProModel. They (along with Safeguard Scientifics, PA Early Stage, and our other board members) continue to take an active role in the direction that we travel as a company.

Today ProModel continues its journey as a leader in advanced simulation technology solutions. We combine professional services and innovative technology to deliver business process optimization and decision support solutions to the government, pharmaceutical, healthcare, and manufacturing & logistics industries.