

# Success comes easier when you're certain you can achieve it!

Uniquely allowing you to **simply and easily manage the certainty of successful business results with mathematical precision**, our Peak Performance and Alignment Template (PPAT) is a “smart” MS Excel file implementing success-focused dashboards and our powerful “Likelihood of Success” algorithm. **Minutes of use can support months of outcomes.**

**Makes it all so easy:** PPAT simplifies the entire management process by using only three buttons to effectively manage any number of projects and focus each on meeting budget, schedule and quality goals. PPAT is extremely **easy to use, straightforward to follow**, very graphical, and optionally can use your email system to automatically/effortlessly communicate tasking and status. This tool **seamlessly integrates with other systems**, and because it's an Excel file, it's already familiar to use.

**Continuously improves productivity:** PPAT dramatically improves productivity with a feature that helps automatically align a team's capabilities to tasking needs - with mathematical precision. And since learning and on-the-job training are keys to successful results, it **automates and facilitates the team learning process** using insights and results that are represented in easy-to-understand Lessons Learned graphs. This is a **quick and effective way to do continuous improvement.**

**Makes success a certainty:** The tool has another feature that's quite amazing for its three button design: it provides statistical analysis to **assess and increase the certainty that a team will meet their goals**, again using easy to understand graphs. When an issue is proactively identified, PPAT's automation guides the team through a self-directed process to determine an optimal, “perfect fit” solution. This approach eliminates hassles, headaches and anxiety. It quickly brings a team into consensus with identifying **solutions that have the highest degree of certainty in achieving successful results.**

**World class technology:** Combining mathematical precision with a powerful capability, PPAT uniquely allows you to simply and easily manage the certainty of a team's ability to meet budget, schedule and quality goals. Remarkably, this is **all done using only three buttons** - a simple and elegant design to use either as a stand-alone management tool or seamlessly compliment other technologies/processes. **This makes PPAT unequaled in capability, flexibility, ease and simplicity.**

Expected Likelihood of Success - Before Starting 4th Quarter Operations (Oct 2013 to Dec 2013)								
Goal, Project, Initiative or Event	$\lambda$	Initial Likelihood of Success	Improved Likelihood of Success	Potential Cost Reduction from Improving Likelihood of Success	Status of Actions to Improve Likelihood of Success:			Percent Likelihood of Success
					Total	Completed	Overdue	
XYZ Project	6	●	●	345 hrs (+/- 35 hrs)	12	13	1	97%
A Department	6	●	●	299 hrs (+/- 30 hrs)	9	7	0	100%
2T's Proposal	6	●	●	200 hrs (+/- 21 hrs)	6	6	0	100%
LMN Initiative	6	●	●	548 hrs (+/- 47 hrs)	17	14	0	100%

A

B

C

Observed Success - After Completing 4th Quarter Operations (Oct 2013 to Dec 2013)									
Goal, Project, Initiative or Event	$\lambda$	Observed Level of Success	Lambda Level of Success	What Worked	Observed Cost Reduction from Improving Likelihood of Success	Status of Actions to Improve Future Success from Lessons Learned:			Percent Level of Success from Results
						Total	Completed	Overdue	
XYZ Project	6	●	●	89%	349 hrs (+/- 35 hrs)	0	0	0	100%
A Department	6	●	●	95%	305 hrs (+/- 30 hrs)	3	3	0	100%
2T's Proposal	6	●	●	88%	222 hrs (+/- 21 hrs)	0	0	0	100%
LMN Initiative	6	●	●	99%	574 hrs (+/- 47 hrs)	1	1	0	100%

D

E

Column

- A** Initial likelihood of success using the algorithm... ● is dangerously low, ● risky, ● high.
- B** Showing measurable increases in certainty after applying algorithm, before any work begins.
- C** Showing the number of issues that were identified and resolved that affected certainty!
- D** After work completion, measures success level from being exactly on-time and within budget.
- E** After work completion, measures reduction in hours from having increased certainty!

View a demo and prepare to say “Wow!” Call CATALYST TECHNOLOGIES at (310) 476-6899 or...  
[www.catalysttechnologies.com/products\\_PPAT.htm](http://www.catalysttechnologies.com/products_PPAT.htm)

## Does experience make a difference to you? If so, here's our 30 years:

Our thirty years of original, industry leading management products started with a two-year informal study by Bruce Nagy, the founder of Catalyst Technologies. While living in Japan, Bruce took advantage of a unique opportunity to study how "Kaizen" could be better applied to US business environments. "Kaizen" is a "change for the better" philosophy. This research, combined with a Department of Defense (DoD) opportunity, ignited Bruce into his own 30 year "Kaizen." His studies evolved into understanding the affects childhood conditioning had on business change, quality and success. Patterns emerged, becoming the keys to 18 "out-of-the-box" products, supporting a now refined and proven "Likelihood of Success" dashboard and algorithm technology.

Thirty years of accumulated research experience, divided into 3 stages, paved the way to create unprecedented management products. The first stage lasted for 10 years and started with the development of several groundbreaking, "out-of-the-box" products. Our first was a physical 3-D planning suite of building blocks, with over 3000 pieces. It allowed teams to plan and rehearse excellence. Also, we wrote a pair of prose and poetry books to support a unique team building approach involving perception and communication. Since clients expressed feelings of being victimized by changes to scope, we created a 3-panel project management game board with over 100 pieces to teach teams how to overcome and adapt. These innovations were the building blocks to additional technology we would create in the following two stages. DoD was our main sponsor of this first stage of research.

Because of the "seemingly impossible" results achieved by teams using our very unique product solutions, academia got interested. This started the second stage of our research which took another 8 years. The collaboration focused on applying conditional probabilities and confidence factors to the advanced algorithms we were creating. Then, software was developed using our special predicate calculus to create a first-of-its-kind "Likelihood of Success" math construct. Based on this construct alone, we generated over 1000 software business rules. Pinpoint accuracy, speed of forecasting, and root-core mitigation were achieved goals. Project Management Institute showcased four of our articles describing these solutions.

In the last stage, we encapsulated the past twenty years of breakthroughs into our now refined "Likelihood of Success" technology. In a ten year period, our innovation focused on developing "smart template" "plug-ins" to more easily deliver and use the technology. This last stage was focused on economics, speed and ease-of-use.

Up to three teams per year from various business environments, including project, operations and manufacturing, used our first-of-its-kind, unique management products to create unprecedented results (see below) over this thirty year period. It took our staff eighteen creative innovations, learning from observations and refinements, to produce the "Likelihood of Success" technology in an easy, cost effective form.

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### Result In 1 Year: Increased Production Line Throughput by 600%

- Department of Defense (United States Navy) - Space Technologies, MIL-STD Hardware and Software Test and Evaluation Environment

### Result In 6 Months: Decreased Cost Overrun from 35% to 3%

- Hughes Corporation Spin-Off Division (Palomar Products) - Air Traffic Control Systems, NATO Hardware and Software Research and Development Environment

### Result In 6 Months: Improved Time-to-Market from 120 to 60 days

- SCOUR, Inc. (Internet Portal Company) - Peer-to-Peer (P2P) File Sharing Software Company, Commercial Internet Research and Development Environment

### Result In 6 Months: Reduced Schedule from 18 months to 10 months

- Capacity Technologies, Inc. (AOL Time Warner Investment) - Advanced Networking Servers, Commercial IT Research and Development Environment

Naval Research  
Laboratories (NRL)

SAIC

Naval Surface  
Warfare Centers  
(NSWC)

CACI

NATO

Hughes

Aerospace Corp

Toyota Motor Sales,  
USA

Dow

Whittaker  
Communications

CSC

UNISYS

Navy Program  
Executive Offices  
(PEOs)

SCOUR

Capacity  
Technologies

Rockwell-Collins