

PLATINUM | EDGE

Development Acceleration





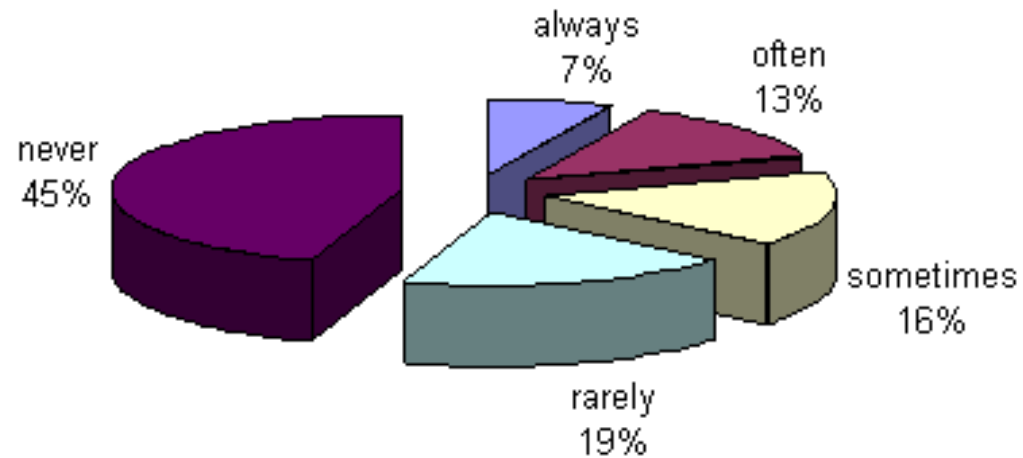
# The Challenge: Performance

- \$451.8 billion spent on application development in 2007
- 2008 Standish Group findings:
  - **24% of projects fail**
  - **44% are challenged**
  - **32% succeed**
- Projects >\$10M have a statistical zero percent chance of success



# The Challenge: Usage

Actual Use of Requested Features



Standish Group (XP 2002)



# Comparative Results

Factor	Improved	No Change	Worsened
Productivity	82%	13%	5%
Quality	77%	14%	9%
Stakeholder Satisfaction	78%	15%	7%
Cost	37%	40%	23%

Scott Ambler, Amblysoft.com

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# Common Agile Methodologies

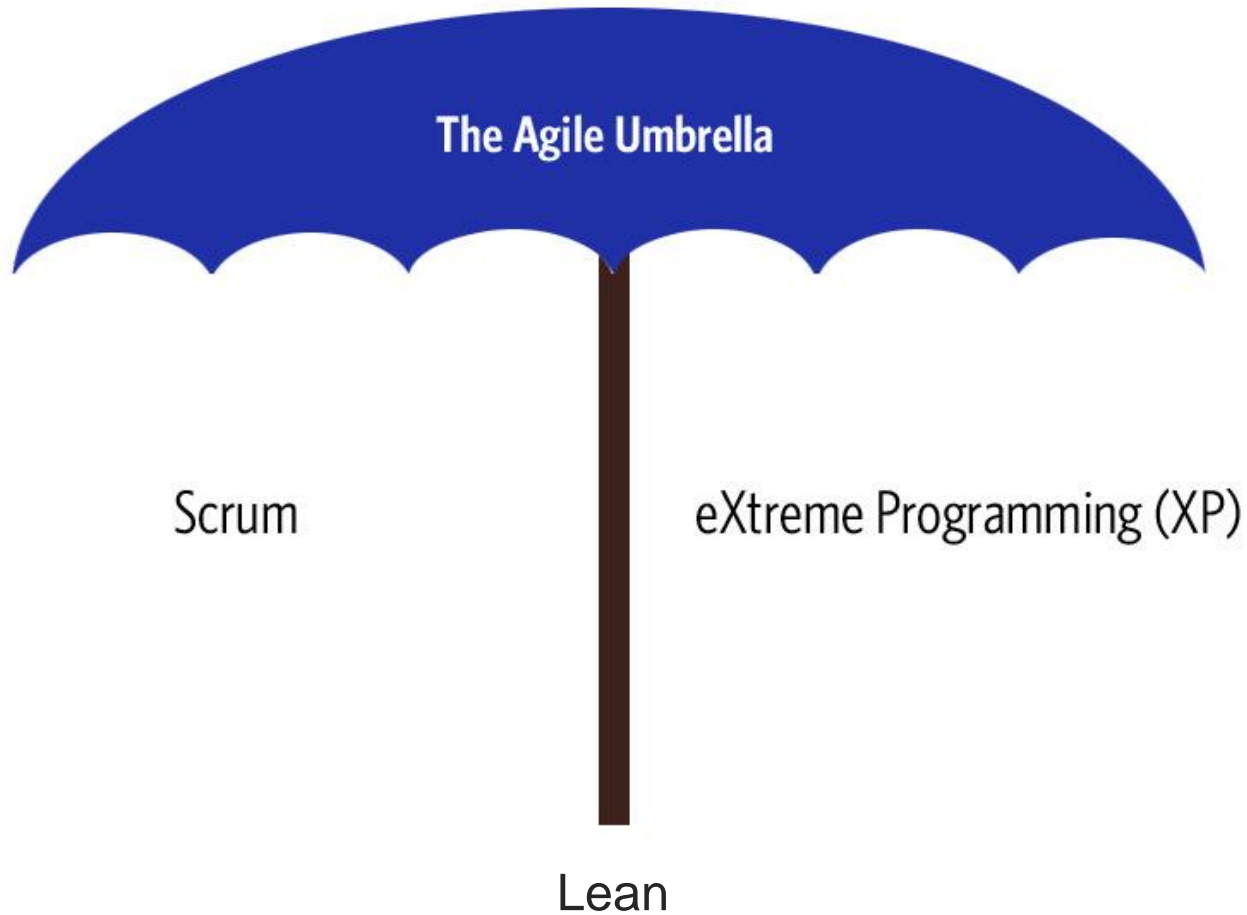


## The Agile Umbrella

- Adaptive Software Development
- Agile Unified Process (AUP)
- Agile Data Method
- Crystal Clear
- DSDM
- Essential Unified Process (EssUP)
- Extreme programming (XP)
- Feature Driven Development (FDD)
- Getting Real
- ICONIX Process
- Lean software development
- Open Unified Process (OpenUP)
- Scrum



# Common Agile Methodologies



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# Agile Manifesto

“We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

- **Individuals and interactions over processes and tools**
- **Working software over comprehensive documentation**
- **Customer collaboration over contract negotiation**
- **Responding to change over following a plan**

That is, while there is value in the items on the right, we value the items on the left more.”

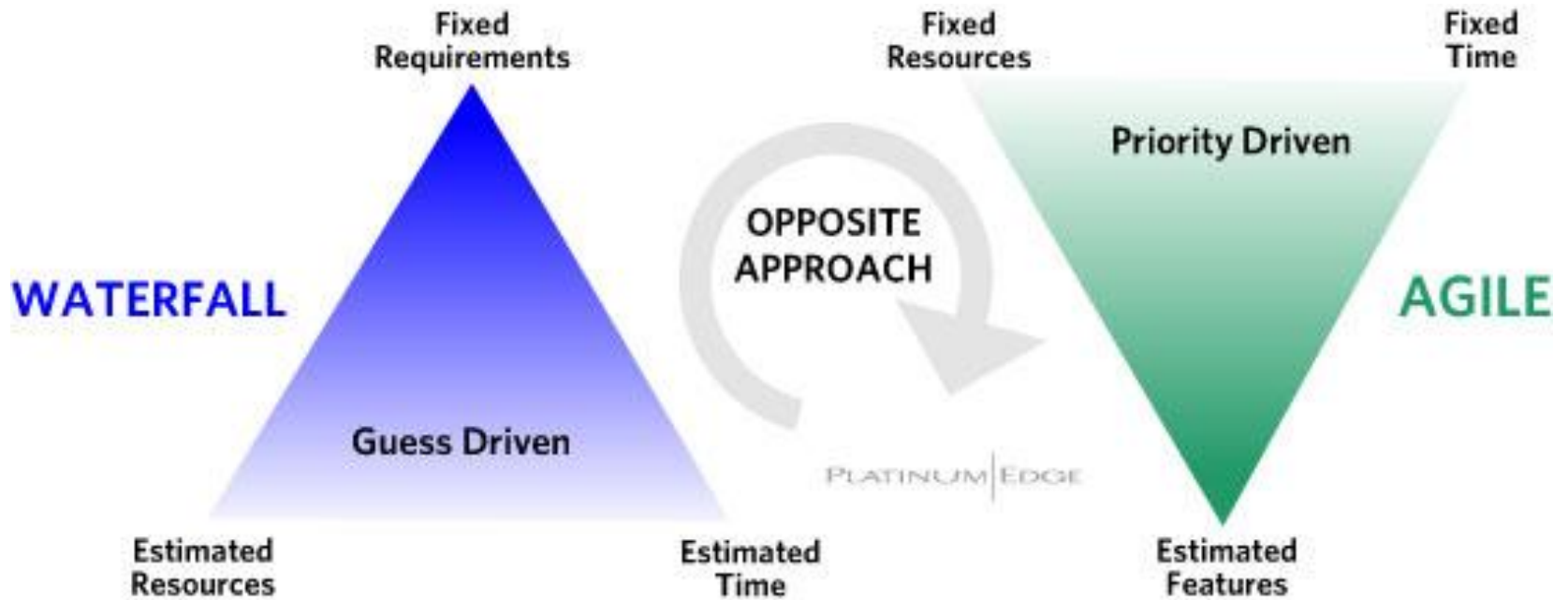


# The 12 Agile Principles

- 1 Our highest priority is to satisfy the customer through early and continuous delivery of valuable software.
- 2 Welcome changing requirements, even late in development. Agile processes harness change for the customer's competitive advantage.
- 3 Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.
- 4 Business people and developers must work together daily throughout the project.
- 5 Build projects around motivated individuals. Give them the environment and support they need, and trust them to get the job done.
- 6 The most efficient and effective method of conveying information to and within a development team is face-to-face conversation.
- 7 Working software is the primary measure of progress.
- 8 Agile processes promote sustainable development. The sponsors, developers, and users should be able to maintain a constant pace indefinitely.
- 9 Continuous attention to technical excellence and good design enhances agility.
- 10 Simplicity--the art of maximizing the amount of work not done--is essential.
- 11 The best architectures, requirements, and designs emerge from self-organizing teams.
- 12 At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.



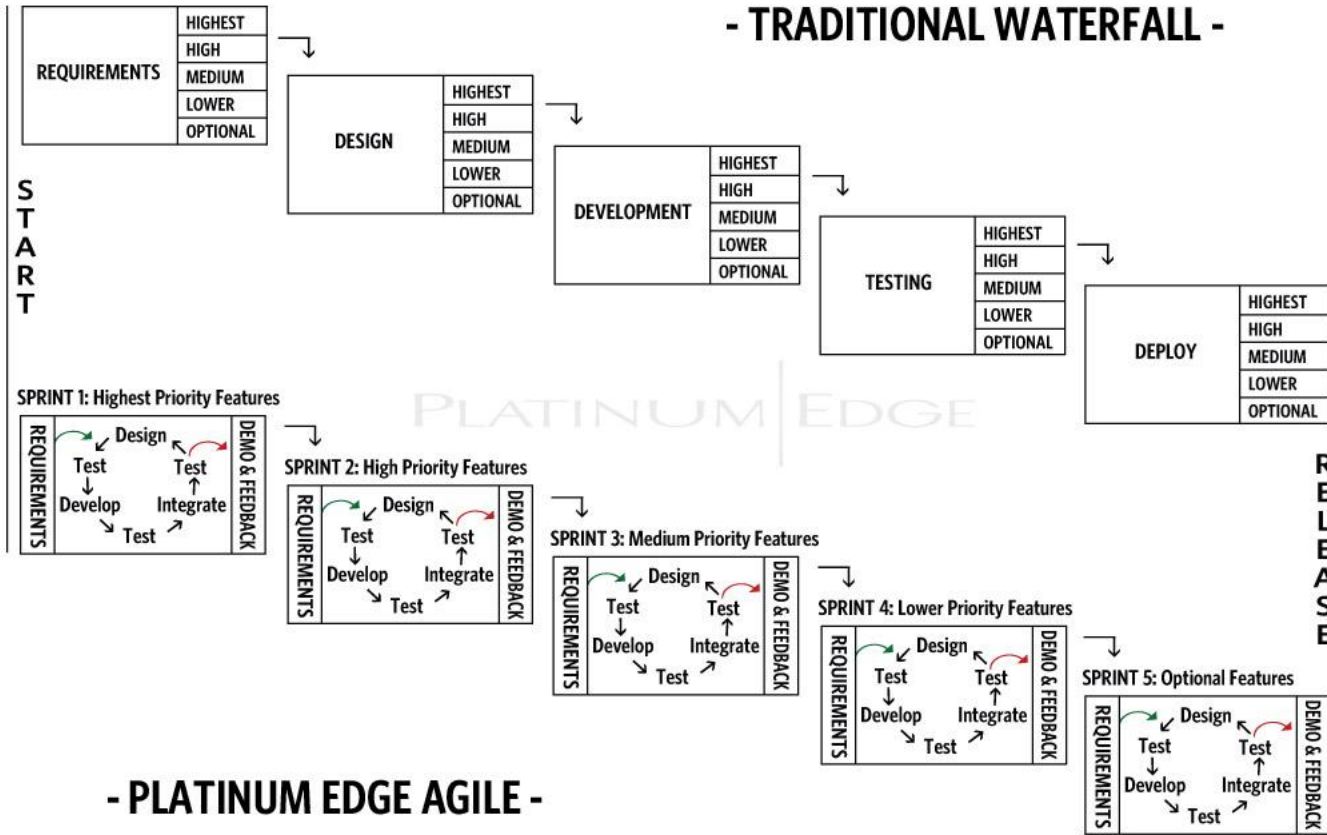
# Fundamental Paradigm Shift



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# Approach Comparison



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# Approach Specifics

## 5 Roles

- Product Owner
- Scrum Master
- Team
- Stakeholders
- Scrum Mentor

## 5 Artifacts

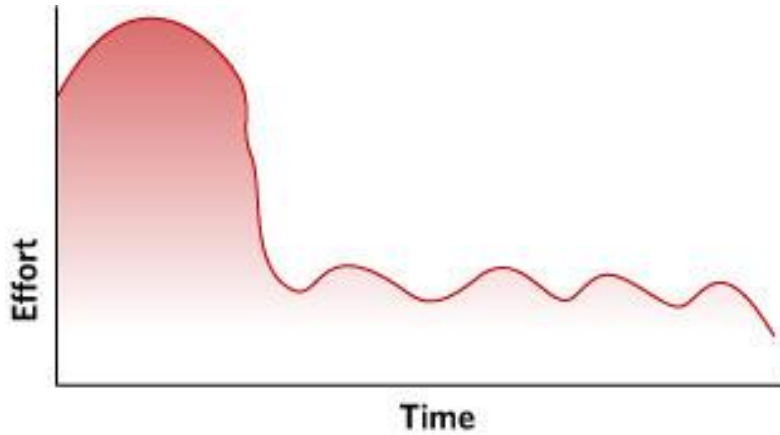
- Product backlog items (user stories)
- Release Plan
- Sprint backlog tasks
- Burndown charts
- Shippable functionality

## 5 Meetings

- Release planning
- Sprint planning
- Daily huddle
- Sprint review
- Sprint retrospective

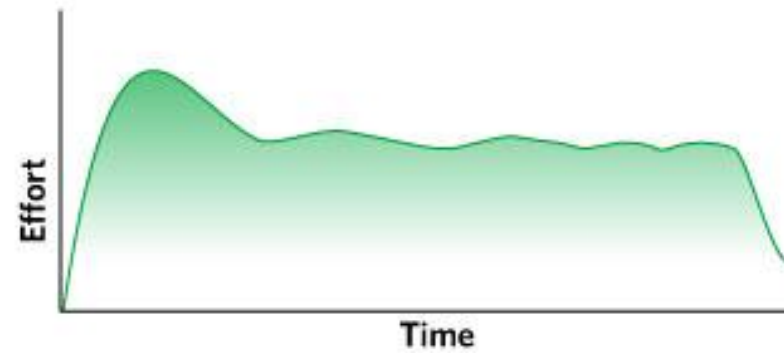


# Agile Planning Model



**WATERFALL PLANNING**

**VS**



**AGILE PLANNING**



# Holistic View

## - THE ROADMAP TO VALUE -

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### Planning Stage 1: VISION

**Description:** The goals for the product and its alignment with the company's strategy.  
**Owner:** Product Owner  
**Frequency:** At least annually



**Release Product**

[Per the Release Plan]

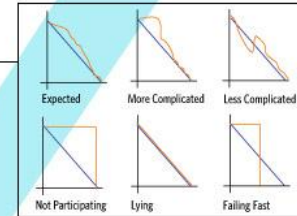
### Planning Stage 2: PRODUCT ROADMAP

**Description:** Release timing for specific product features.  
**Owner:** Product Owner  
**Frequency:** At least biannually



### Planning Stage 6: RETROSPECTIVE

**Description:** Team refinement of environment and processes to optimize efficiency.  
**Owner:** Team  
**Frequency:** At the end of each iteration



### Planning Stage 5: DAILY HUDDLE

24 HOURS

**Description:** Team huddle to coordinate and establish priority for the day.  
**Owner:** Team  
**Frequency:** Daily

### Planning Stage 3: RELEASE PLAN

**Description:** Release timing for specific product functionality.  
**Owner:** Product Owner  
**Frequency:** At least quarterly

Release High Priority Functions



Release Highest Priority Functions

2 - 4 Week

DEMO

### Planning Stage 4: ITERATION PLAN

**Description:** Establish specific iteration goals and tasks.  
**Owner:** Product Owner and Team  
**Frequency:** At the start of each iteration

Preparation

Execution

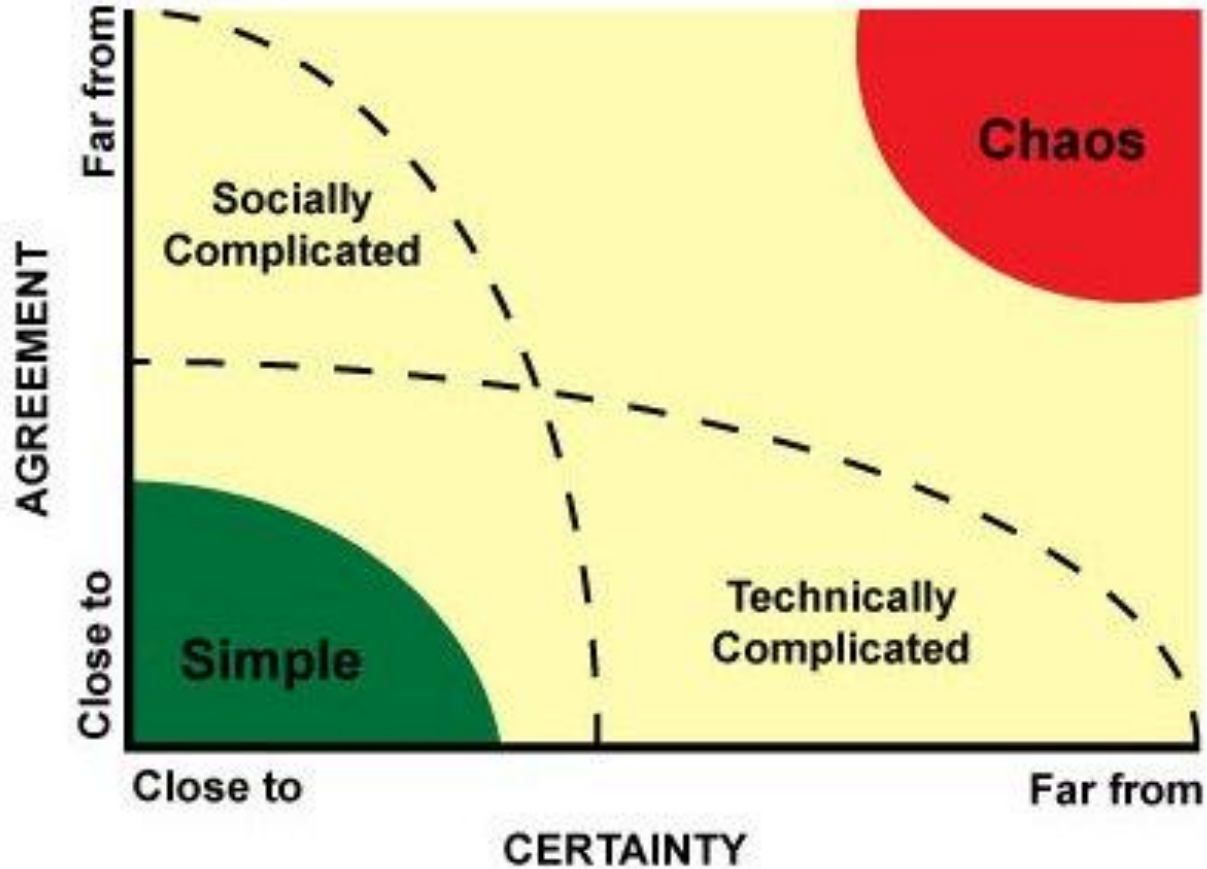



# Why It Works

- Email, process documentation and meetings are dramatically reduced
  - Iterative development, co-location
- Task switching is reduced
  - Dedicated team
- Daily communication of status occurs
  - Daily Scrum, Burndown chart
- Prevent, rather than resolve, defects
  - TDD, Continuous Integration
- Working software is delivered
  - Sprint Review



# When is Agile Best?



 Agile's benefits are most evident in these conditions

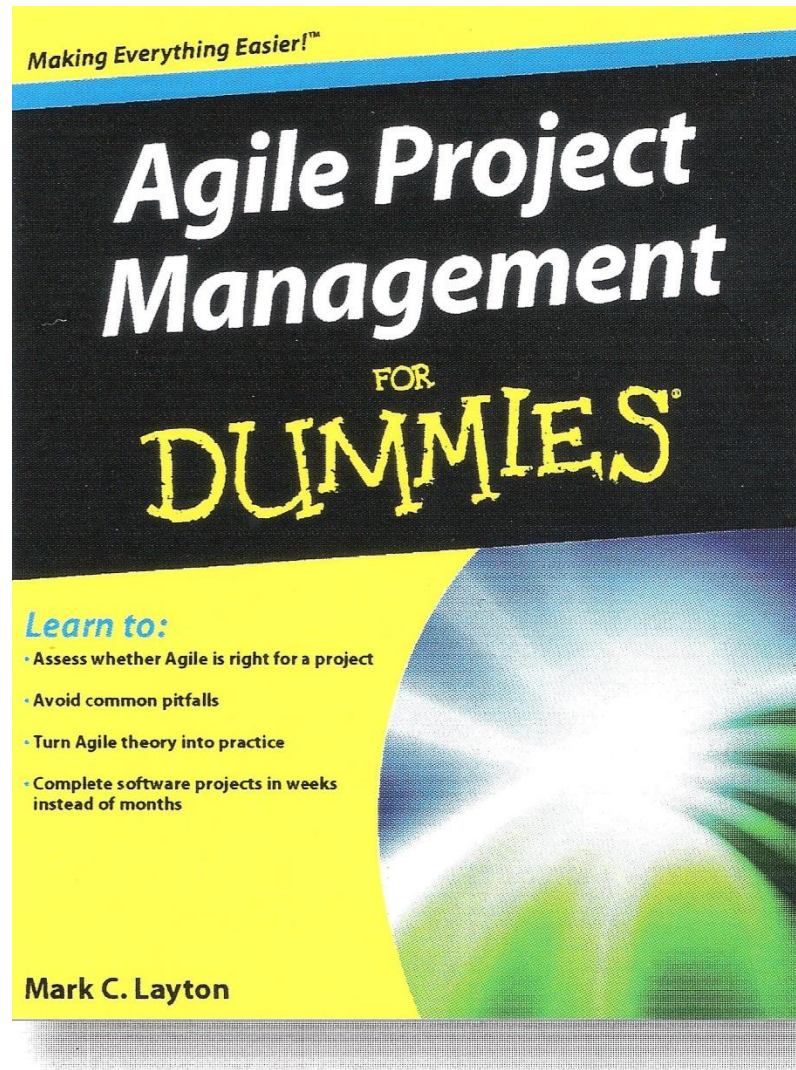


# 10 Steps to Success

1. Conduct implementation strategy
2. Build awareness and excitement
3. Identify pilot project
4. Develop product backlog and estimates
5. Train
6. Identify metrics
7. Run sprint
8. Gather feedback and improve
9. Mature
10. Scale



# For More Information...



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# Questions



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#### Implementation Strategy

Leverage our extensive credentials, experience and professionalism to develop an enterprise Agile strategy that delivers...

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We have seasoned coaches that help organizations learn, adopt and benefit from Agile's inherent advantages...

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Let us take the project management burden off your organization. With our outsourcing solution, you'll reap the benefits of ....

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#### Who We Are

A unique aggregation of *traditional credentials*, *cutting edge approaches* and *international consulting experience*, Platinum Edge is an Agile-focused team of MBAs, Behavioral Science experts, certified Project Managers and experienced Project Coordinators that assist companies wanting to upgrade implementation management to improve project ROI.

- ▶ **Platinum Edge helps companies deliver value faster, with fewer errors, at a lower total cost. If your organization uses the Internet, we can help you.**

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#### Facts

Our clients  
**save ≈ 50%**  
over waterfall methods.

**S M A R T**  
**IMPLEMENTATION IS**  
**THE KEY TO SUCCESS.**

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