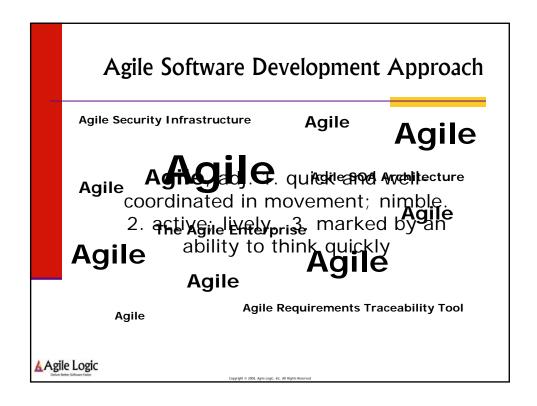


Your Speaker: Paul Hodgetts

- Team coach, trainer, consultant, developer
- Founder and CEO of Agile Logic (based in Fullerton)
- 25 years overall, 10 years agile experience
- Certified Scrum Trainer
- Focus on Enterprise use of agile
- Author (Extreme Programming Perspectives)
- Presenter at conferences (Agile 200x, SD West, JavaOne)
- Agile Alliance Program Director
- Member of CSUF agile advisory board
- Contact info: phodgetts@agilelogic.com

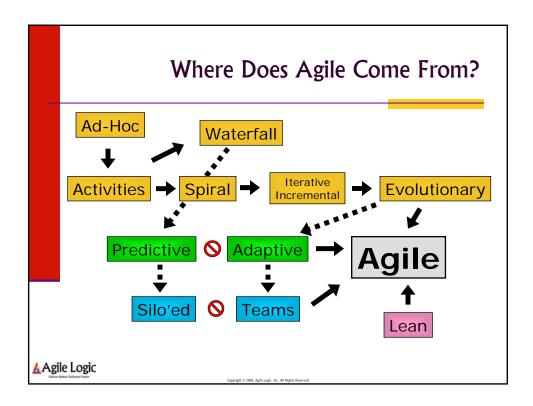
▲Agile Logic











Target Benefits of Agile

- Consistent, sustainable deliveries
- Ability to release in smaller increments
- Adaptation to change & risk management
- Higher release quality
- Engagement & satisfaction of customers
- Energized & positive team environment

If combined with Lean practices...

■ Efficiency & flow of feature delivery

▲Agile Logic



Underlying Agile Values

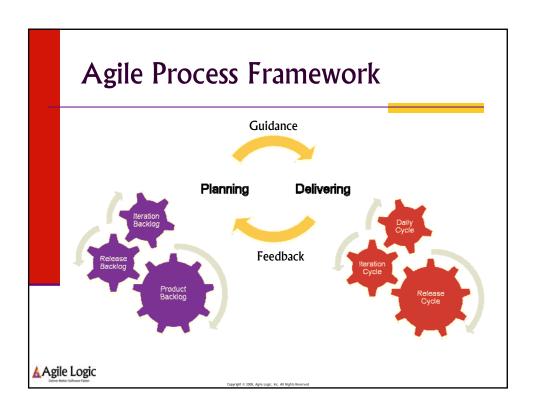
- Delivering stakeholder value is what matters
- Trust people working together
- Change will happen, we must adapt
- Frequent, concrete feedback is the truth
- Delaying risk is... too risky

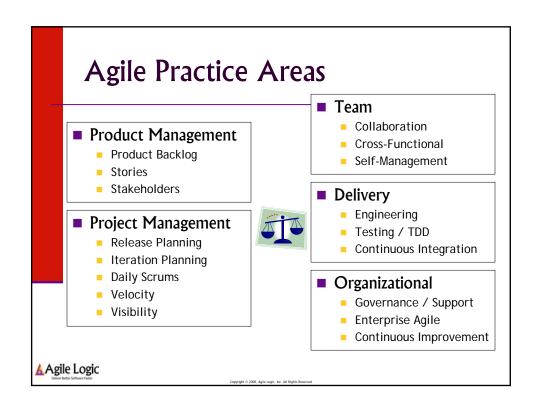
▲Agile Logic

Copyright © 2008, Agile Logic, Inc. All Rights Reserved

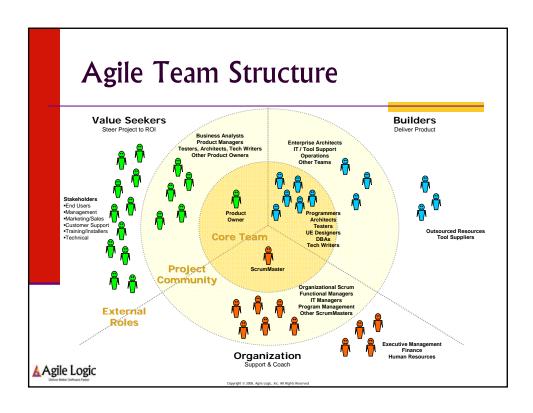
Collaborative Whole Teams Adaptive, Localized Project Management Evolutionary with Frequent Deliveries Value-Focused Clear Objectives Continuous Learning & Improvement

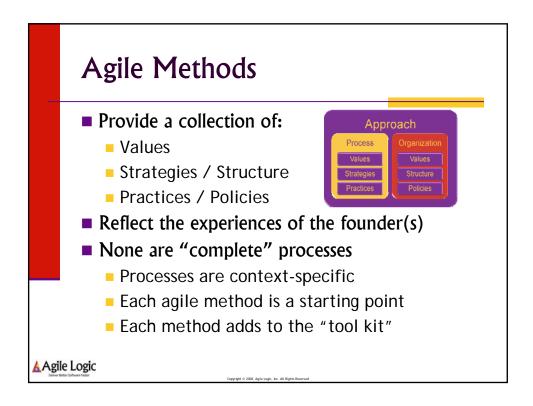




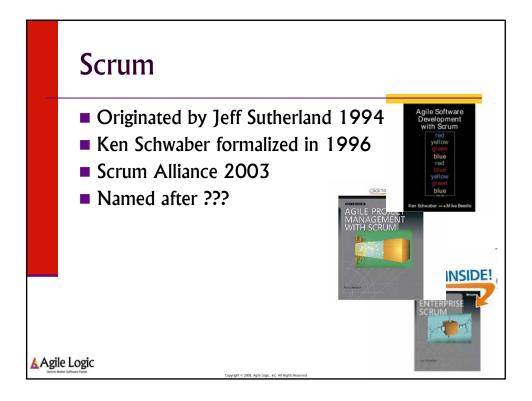












Scrum Approach

- Empirical processes, "inspect and adapt"
- Empowered teams
- Provides a framework to create visibility, focus
 - Not prescriptive about disciplinary practices
- Requires removing impediments
- Scrum values:
 - Commitment
 - Focus
 - Openness
 - Respect
 - Courage





Scrum Practices

- Product Backlog
- (Strategic/Release Planning)
- Sprints (30 days or less)
 - Sprint Planning -> Sprint Backlog
 - Daily Scrum
 - Sprint Review
 - Sprint Retrospective
- Each Sprint must deliver "done" product

▲Agile Logic

Copyright © 2008, Agile Logic, Inc. All Rights Reserved

Scrum Roles

- Scrum Team (~7 team members)
 - Must contain all the needed resources
- Two identified roles in team:
 - ScrumMaster
 - Process implementation and improvement
 - Product Owner
 - Product Backlog and maximizing value
 - Represents Stakeholders

▲Agile Logic



Extreme Programming (XP) 1st ed.

- Kent Beck, Ward Cunningham 1980s
- Chrysler C3 project mid-1990s, Ron Jeffries
- Published 1999
- Named after ???
- Large internet community



Kent Beck

▲Agile Logic

pyright © 2008, Agile Logic, Inc. All Rights Reserv

XP Approach

- **■** Emphasizes:
 - Rapid creation of high-value software
 - Skillful and sustainable techniques
 - Low formality and low ceremony
 - Responsiveness to change
- XP Values:
 - Communication
 - Simplicity
 - Feedback
 - Courage

▲Agile Logic



XP Practices

- Planning Game
- Small Releases
- System Metaphor
- Simple Design
- Testing
- Refactoring

- Pair Programming
- Collective Ownership
- Continuous Integration
- 40-Hour Week
- On-Site Customer
- **■** Coding Standards

▲Agile Logic

pyright © 2008, Agile Logic, Inc. All Rights Reserved

XP Roles

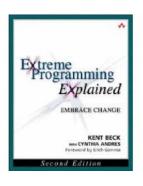
- Separation of technical vs. business decisions
- XP roles:
 - Programmer
 - Customer
 - (Tester)
 - (Tracker)
 - (Coach)
 - (Consultant)
 - (Big Boss)

▲Agile Logic



Extreme Programming (XP) 2nd ed.

- Kent Beck's follow-on 2004
- Did not generate as much interest
- Extensions widely practiced



▲Agile Logic

syright © 2008, Agile Logic, Inc. All Rights Reserved

Changes to Approach

- Not as prescriptive as 1st ed.
- **■** Expanded practices
 - Recognizes tailoring the process
- Additional value:
 - Respect

▲Agile Logic



Primary XP Practices

- Sit Together
- **■** Whole Team
- Informative Workspace
- Energized Work
- Pair Programming
- Stories
- Weekly Cycle

- Quarterly Cycle
- Slack
- Ten-Minute Build
- Continuous Integration
- Test-First Programming
- Incremental Design

▲Agile Logic

Copyright © 2008, Agile Logic, Inc. All Rights Reserve

Corollary XP Practices

- Real Customer Involvement
- Incremental Deployment
- Team Continuity
- Shrinking Teams
- Root-Cause Analysis
- Shared Code

- Code and Tests
- Single Code Base
- Daily Deployment
- Negotiated Scope
- Pay-Per-Use

▲Agile Logic



Expanded XP Roles (Whole Team)

- Testers
- Interaction Designers
- Architects
- Project Managers
- Product Managers
- Executives
- Technical Writers
- Users
- Programmers
- Human Resources

▲Agile Logic

opyright © 2008, Agile Logic, Inc. All Rights Reserved

Crystal (Clear)

- Alistair Cockburn
- From the study of projects while at IBM
- "Surviving Object-Oriented Projects" 1998
- "Agile Software Development" 2002
- "Crystal Clear" 2004



▲Agile Logic



Crystal Approach

- Core strategies:
 - Colocation of the team
 - Frequent delivery
 - Access to expert user
- Method tailored for size and criticality
 - Clear, yellow, orange, red

▲Agile Logic

Copyright © 2008, Agile Logic, Inc. All Rights Reserved

Crystal Properties

- Frequent Delivery
- Reflective Improvement
- Osmotic Communication
- Personal Safety
- Focus
- Easy Access to Expert Users
- Sound Technical Environment
 - Automated testing, config mgmt, integration

▲Agile Logic



Crystal Strategies

- Exploratory 360°
- Early Victory
- Walking Skeleton
- Incremental Re-architecture
- Information Radiators

▲Agile Logic

Copyright © 2008, Agile Logic, Inc. All Rights Reserved

Crystal Techniques

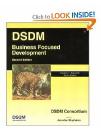
- Methodology Shaping
- Reflection Workshop
- Blitz Planning
- Delphi Estimation
- Daily Stand-Up Meetings
- Essential Interaction Design
- Process Miniature
- Side-By-Side Programming
- Burn Charts

▲Agile Logic



DSDM / Atern

- RAD practices from early 1990s
- Originated in the UK, more popular in Europe
- Name:
 - Dynamic Systems Development Method
 - Dynamic Solutions Delivery Model
- DSDM Consortium
- Atern published 2008 (dsdm.org)



▲Agile Logic

pyright © 2008, Agile Logic, Inc. All Rights Reserved

DSDM Atern Principles

- Focus on the business need
- Deliver on time
- Collaborate
- Never compromise quality
- Build incrementally from firm foundations
- Develop iteratively
- Communicate continuously and clearly
- Demonstrate control

▲Agile Logic



Feature-Driven Development (FDD)

- Jeff De Luca, Peter Coad 1997-1998
- Generated from "Singapore Project"
- "Practical Guide" 2002
- Remains fairly obscure



▲Agile Logic

yright © 2008, Agile Logic, Inc. All Rights Reserved

FDD Practices

- Domain Object Modeling
- Developing by Feature
- Class (Code) Ownership
- **■** Feature Teams
- Inspections
- Regular Build Schedule
- Configuration Management
- Visible Reporting of Results

▲Agile Logic



Evo

- The first agile method? Tom Gilb, 1976
- "Evolutionary Development" 1981
- "Principles of SW Engineering Management"1988 (describes an adaptive process)
- Large influence on other agile methods

▲Agile Logic

opyright © 2008, Agile Logic, Inc. All Rights Reserved

Lean Software Development

- Application of "Lean" to software
- Lean approach originated in manufacturing
- Mary and Tom Poppendieck
 - "Lean Software Development" 2003
 - "Implementing Lean SW Development" 2007





▲Agile Logic



Lean Approach

- **■** Eliminate waste
- Amplify learning, create knowledge
- Decide as late as possible, defer commitment
- Deliver as fast as possible
- Empower the team, respect people
- Build integrity in
- Optimize the whole

▲Agile Logic

Copyright © 2008, Agile Logic, Inc. All Rights Reserved

Other Places Agile Shows Up

- Agile Unified Process
- MSF / Agile
- IBM / Open UP / Eclipse Process Framework

▲Agile Logic



Agile Alliance

- 2001, meeting of agile methodologists
- Formed Agile Alliance
- Published Agile Manifesto
- Agile Alliance continues to run Agile 200x

▲Agile Logic

opyright © 2008, Agile Logic, Inc. All Rights Reserved

Agile Manifesto

- Individuals and interactions
 - Over process and tools
- Working software
 - Over comprehensive documentation
- Customer collaboration
 - Over contract negotiation
- Responding to change
 - Over following a plan
- "While there is value in the items on the right, we value the items on the left more."

▲Agile Logic



Common Principles

- Satisfy the customer via early and frequent delivery of value
- Welcome changing requirements
- Deliver working software frequently
- Business and developers work together throughout the project
- Build project around motivated individuals
- Most effective communication is face-to-face

- Working software is primary progress measurement
- Promote sustainable development
- Be able to maintain a constant pace indefinitely
- Attention to technical excellence and good design
- Simplicity is essential
- The best architectures emerge from self-organizing teams
- Reflect at regular intervals, tune and adjust accordingly

▲Agile Logic

opyright © 2008, Agile Logic, Inc. All Rights Reserve

Questions? SCRUM!! CRIST DAMAGE From Tryckum SCRUM!! CREAR! GRRR! GRRR!! CREAR! GRRR!! CREAR! GRRR!!



Thank You For Attending!

Please grab some of the free stuff I brought.

Paul Hodgetts Agile Logic www.agilelogic.com phodgetts@agilelogic.com (714) 577-5795

▲Agile Logic