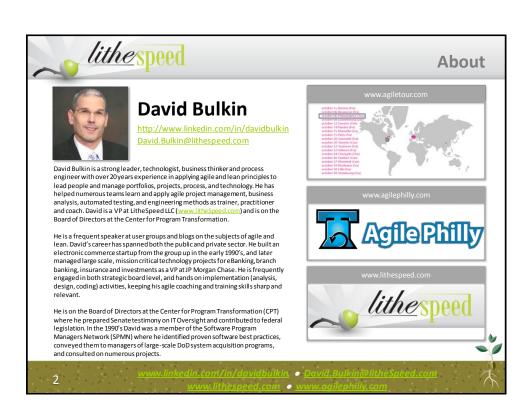


Accelerated Agile Overview Focus on Scrum

Agile Tour 6-October-2009

Facilitated By David Bulkin
http://www.linkedin.com/in/davidbulkin
David.Bulkin@litheSpeed.com

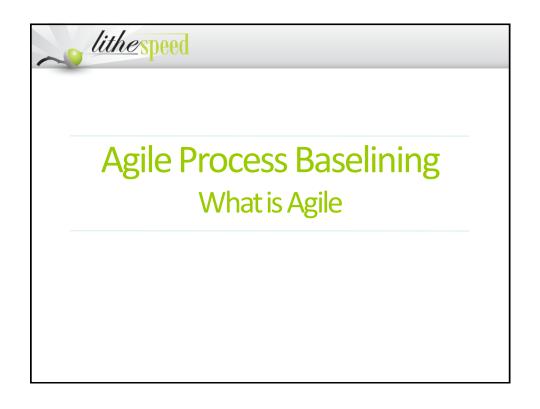




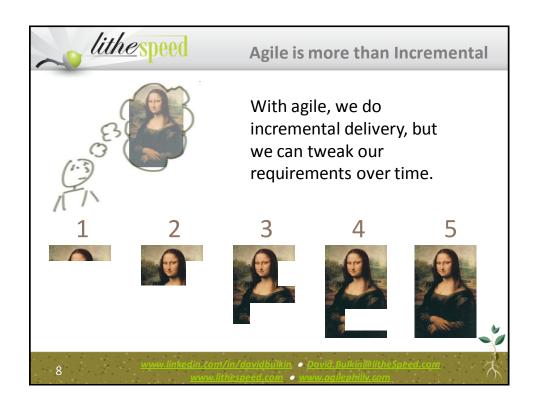
Agile Process Baselining Level Setting

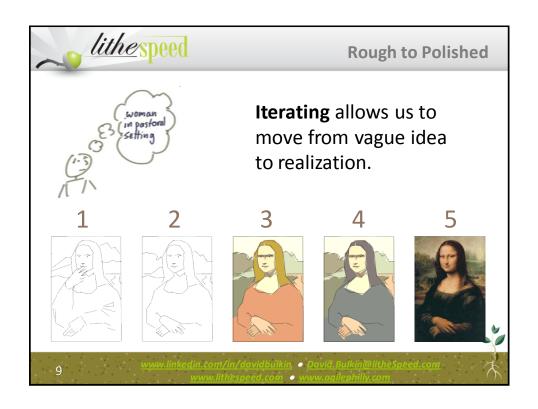










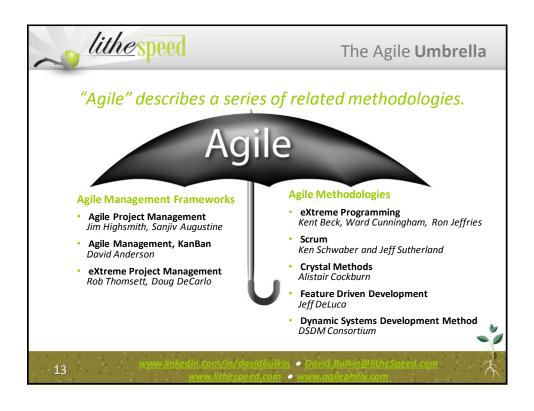


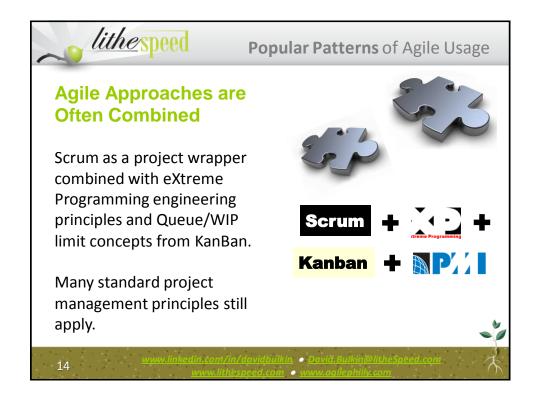




Agile Process Baselining In Context











Traditional Development

Traditional Methods Are Characterized By:

- Firm Requirements Rigorous definition of requirements up front. Can take a long time.
- 2. **Handoffs Across Functions** Analysts hand off to developers who hand off to testers who hand off to production.
- 3. Large and Long Delivery Cycles Can easily be 6 months to deliver any working functionality.
- Everything At the End All working code is delivered at the end of the process. Not much opportunity for early inspection, feedback, and change.





Key Principles of Agility

Key Agile principles are:

- Small Batches Create a flow of value to customers by "chunking" feature delivery into small increments.
- 2. **Responding to Change** Process expects, adapts and thrives with change.
- Iteration and Continuous Flow Regularly scheduled time boxes, working sessions and releases provide points for integration, planning, learning, reflecting and adapting to change; continual learning informs the plan.
- Small, Integrated Teams (Whole Team) Intense collaboration via face-to-face communication, collocation, etc; diversified roles on integrated, self-organizing, self-disciplined teams.
- Focus on Highest Value Align project, product and team visions to deliver better product, faster and cheaper, based on business priority.



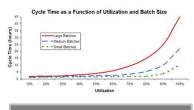
17

lithe speed

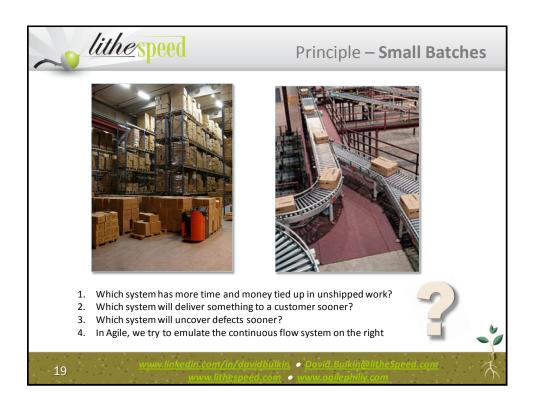
Principle – Small Batches

- Trying to do everything at once results in most things moving in slow motion
- High priority deliveries are slowed down by lower priority deliveries
- A lot of work happening but little is getting delivered, resulting in long cycle times

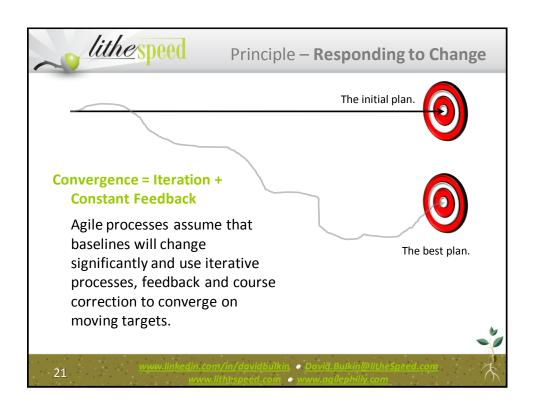


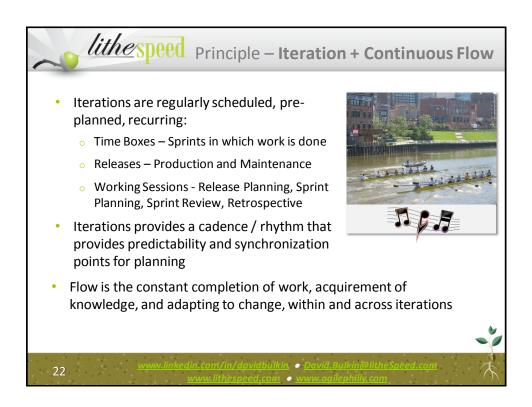


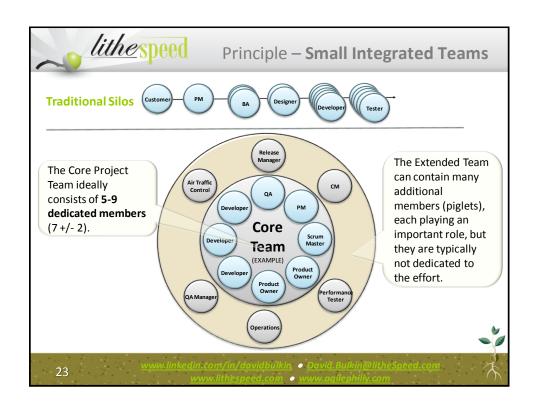
Cycle Time = WIP / Throughput















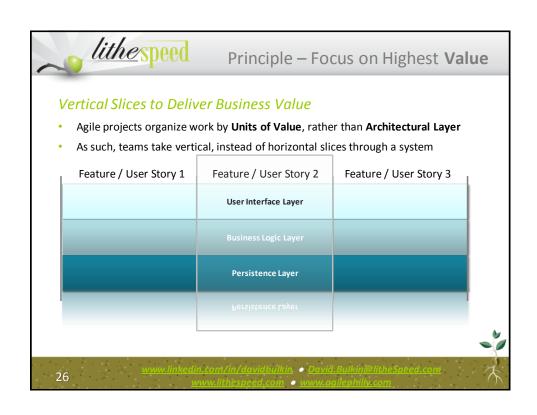
Principle - Small Integrated Teams

- Information transfer maximized through collocation
- Constant face-to-face communication and collaboration
- Self-organization and management facilitated by information radiators

 charts, posters, whiteboards, etc.

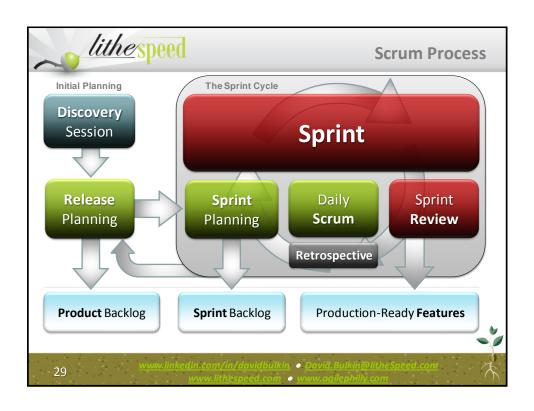


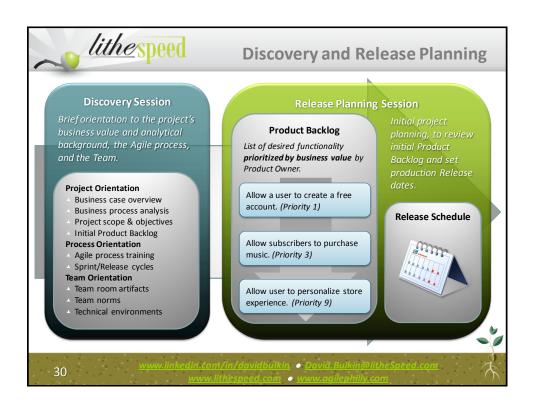




Key Agile Principles	Traditional Waterfall	Ad Hoc
Small Batches	Large Batches	Always changes
Responding to Change	Baseline and Change Limitation	Constant, Uncontrolled Flux
Iteration & Continuous Improvement	Lessons Learned at the End	No Formal Lessons Learned
Small, Integrated Teams	Silo Teams with Handoffs	Uncontrolled Handoffs
Focus on Highest Value First	All or nothing	Who yells the loudest
Bake Quality In, Pay Down Existing Technical Debt	Quality Inspected In	Limited Quality Control
Low Work In Process	High Work in Process	High Work in Process



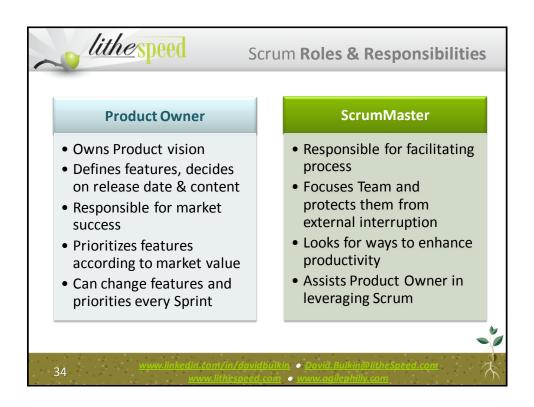


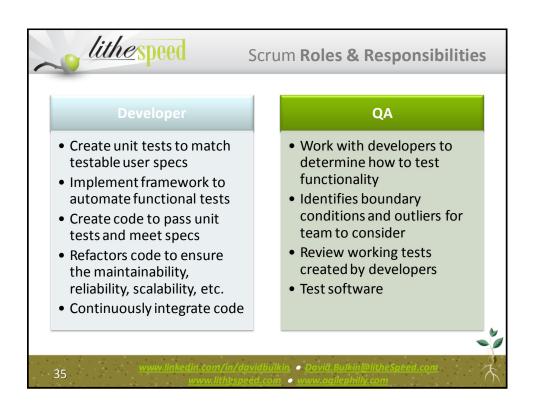






Term	Definition	
Sprint / Iteration	Fixed-length period of time (e.g. two weeks)	
Release	Drop to production	
Release / Sprint Planning	Agile planning meetings	
Product Owner Business representative to project		
Retrospective	"Lessons learned" style meeting	
ScrumMaster	Agile leader / facilitator	
Daily Scrum / Daily Standup	Brief daily status meeting	









Self Organizing Teams

Self-organizing teams:

- Exhibit a high degree of collaboration
- Operate with a high degree of trust and autonomy
- Work towards high performance
- Produce measurably great results
- Are very fulfilling to work on

Characteristics of Self-Organizing Teams

- · Small team size
- Dedicated resources
- Customer value orientation
- Individual competence
- Sustainable self-discipline
- · Intense collaboration
- Easy information transfer
- Low decision feedback time
- Constant learning & interaction

37

<u>lithe speed</u>

Roles of the Team

The Team

- Works cross-functionally (reduce handoffs!)
- Shares roles to get the work done (i.e. (generalizing specialist)
 - A developer may write user documentation
 - A business analyst may perform testing
 - · A tester may create graphics
- Develops the detailed task list and the estimates
- Volunteers for work (is not tasked)
- Raises issues to the ScrumMaster
- Assesses performance and makes process recommendations





Self Organizing Principles

- Self organizing principles guide a team so they can operate without explicit management control
- Examples:
 - As a team member, I will contact the ScrumMaster if I see a tweak that can be made to a feature, that will maintain it's business value, while reducing time, cost or risk associated with implementing that feature
 - As a team member, when I complete my work, on a task, I will either help another team member, or start a new task, depending on what will most likely allow us to deliver the maximum value in a Sprint
 - As a team member, I will provide honest and open feedback to my peers, to the ScrumMaster, to the Project Manager, whenever that feedback will help the performance of the team





