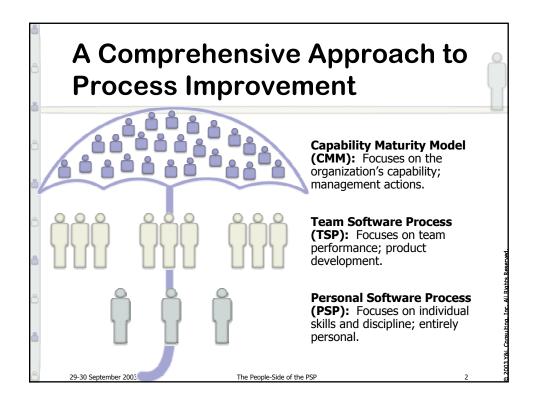
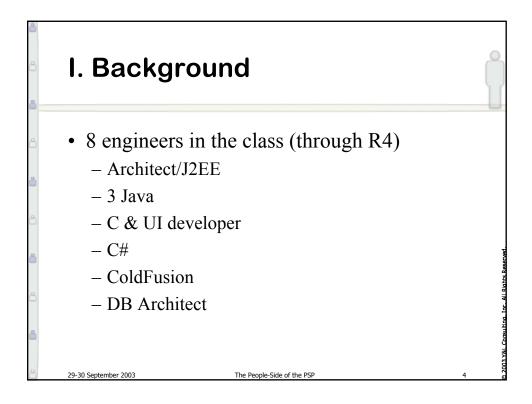


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The People-Side of the PSP I. Background II. Theory & Stories III. Personal Benefits @ Y&L



The *Art & Science* of Software Process

When asked why he gave the title, *The Art of Computer Programming*, to his famous series of books, Donald Knuth said:

"Science is what we understand well enough to explain to a computer and art is everything else."

Knuth, Donald. Computer Programming is an Art. Communications of the ACM. December 1974.

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Three Key Personal Benefits

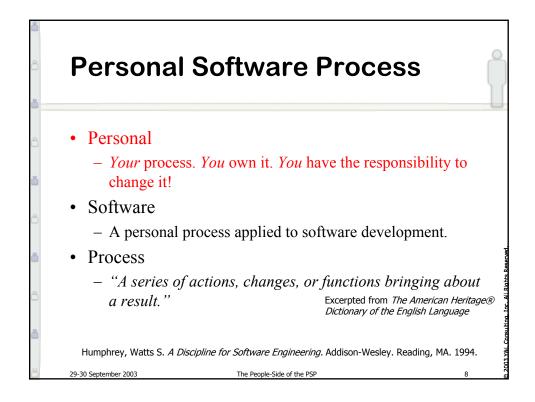
- 1. Self-awareness
- 2. Fact-based Decision Making
- 3. Ownership & Accountability

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Reading Lists: http://pseng.net/

II. Theory & Stories 1. Self-awareness 2. Fact-based Decision Making 3. Ownership & Accountability



Work To Your Talents

- What are your talents?
 - "A talent is a recurring pattern of thought, feeling, or behavior that can be productively applied."
- Every role performed at excellence requires talent.
 - "Michelangelos of housekeeping."

Buckingham, Marcus, Curt Coffman. *First, Break All The Rules.* Simon & Schuster. NY, NY. 1999. Peters, Thomas J. *The Circle of Innovation*. Random House. New York, NY. 1997.

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Q

Make Non-Talents Irrelevant

"People don't change that much. Don't waste time trying to put in what was left out. Try to draw out what was left in. That is hard enough." – wisdom from great managers

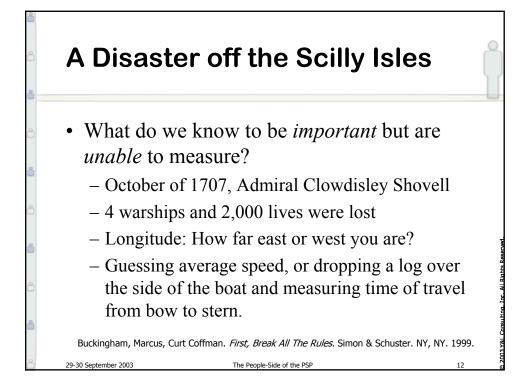
• Team up people with complimentary talents.

Buckingham, Marcus, Curt Coffman. First, Break All The Rules. Simon & Schuster. NY, NY. 1999.

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1. Theory & Stories 1. Self-awareness 2. Fact-based Decision Making 3. Ownership & Accountability



What Is Your Software Development Performance?

- Have you been thinking about it before?
 - Do you know your "batting average?"
- The complexity of all activities that an individual does in order to create software.
- The **understanding** your performance is the basis of making good estimates.

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The Stockdale Paradox

Retain faith that you will prevail in the end, regardless of the difficulties.

AND at the same time

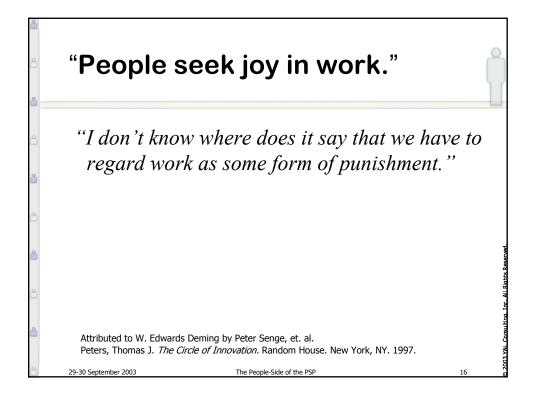
Confront the most brutal facts of your current reality, whatever they might be.

Collins, Jim. Good to Great. Harper Business. NY, NY. 2001.

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"People don't resist change, people resist being changed."

- Focus on the "Why?"
- You don't have to change people.
- Show people how their contribution fits into the overall picture.

Senge, Peter. The Fifth Discipline. Pg. 23. Currency Doubleday. New York, NY. 1990.

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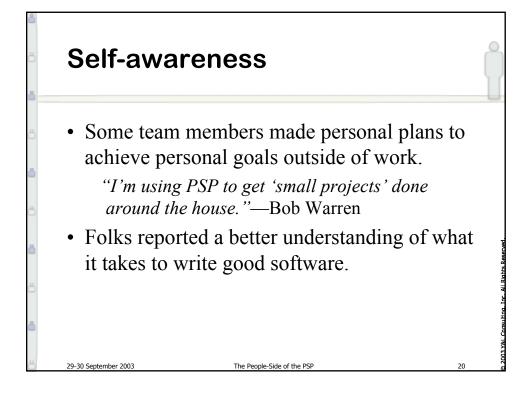
PSP is not about Process

- At it's essence, what the PSP class delivers is not about process.
- The PSP class delivers an **understanding** of your skills and capabilities.

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III. Personal Benefits @ Y&L 1. Self-awareness 2. Fact-based Decision Making 3. Ownership & Accountability



Self-awareness

- "I am logging data about my personal life...

 Since I know a few things about myself I am trying to make time to do things accordingly."

 —Tanay Sengar
- Examples: counting pages, counting calories

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Self-awareness

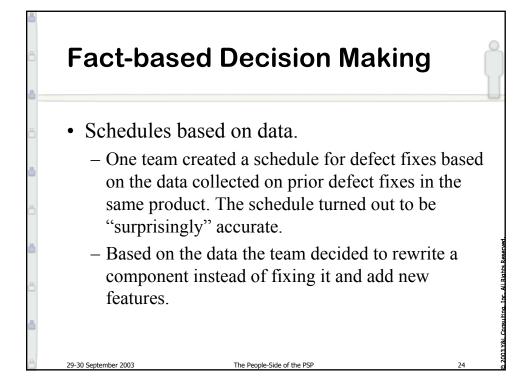
"I used to just do things. PSP helped me do things right." -Vijay Parthasarathy

 The nature of the conversation has changed. Now team members discuss design ideas and debate the merits of various solutions before coding starts.

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1. Self-awareness 2. Fact-based Decision Making 3. Ownership & Accountability



II. Personal Benefits @ Y&L

- 1. Self-awareness
- 2. Fact-based Decision Making
- 3. Ownership & Accountability

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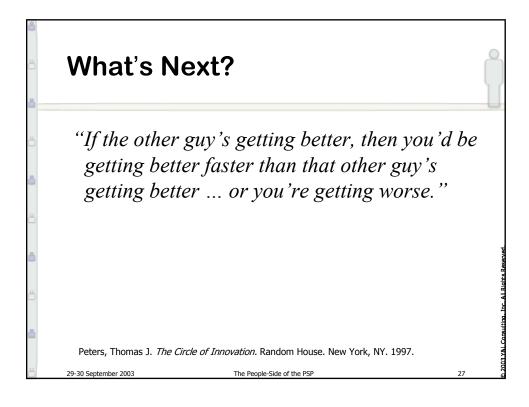
Ownership & Accountability

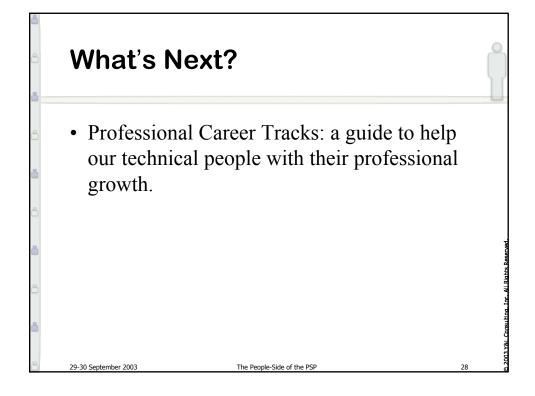
"I used to wait for somebody to tell me what to do, now I feel empowered to do what I need to get the job done."

- The team members now feel that they are responsible for the success of the company.
- A team member spent a weekend rewriting unmaintainable code.

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Summary

- The PSP class has benefits reaching beyond the workplace.
- The PSP develops the raw normative behaviors in engineers that enables them to build strong TSP teams.

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