The Toyota Way

14 Management Principles

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The Toyota Way session

THE TOYOTA WAY

- 1. The Toyota Way by the book
 - « The Toyota Way » by Jeffrey K. Liker
 - 14 Management principles
 - Our experience with the principles

■ Break



- TOYOTA 2. My Toyota Way
 - Workshop: Your experience with the principles
 - Present and discuss application

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Why Toyota? We don't make cars!

- Let's look at somebody completely different...
- ...and very succesful
- but not perfect...
- The Toyota Way == Management techniques
- We are all managers

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14 Principles in 4 Categories

- Philosophy
- Process
- People & Partners
- Problemsolving & Learning

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2. Process: Flow

- Create continuous process flow to bring problems to the surface
- Eliminate idle time and other waste ("Muda")
- Z.b. Continuous build, small releases

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3. Process: Pull

- Use Pull systems to avoid overproduction
- Minimize inventory and work in process by stocking small amounts and restocking regularly
- Consumption => Production
- Respond to shifts in customer demand, not on computer systems to track schedule and inventory
- Z.b. Stories in planning game, small releases, developers "pull" stories.

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4. Process: Heijunka

- Level out the load
- Avoid overburdening: "Muri"Avoid unevenness: "Mura"
- Z.b. Muri: Sustainable pace,
- Z.b. Mura: small releases, small stories

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5. Process: Stop the production line

- Build a culture of stopping or slowing down to fix problems
- Automate problem detection ("Jidoka")
- Notify leaders of problems ("Andon")
- To get quality right the first time
- Z.b. Automated build with unit and acceptance tests: job #1 is fixing problems

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6. Process: Standardized Tasks

- Standardized tasks are the foundation for continuous improvement and employee empowerment
- Stable & repeatable methods are the basis of flow and pull
- Z.b. (Coding) conventions, automation

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7. Process: Visual Control

- Use simple visual control to help people determine if they are in normal conditions
- Reduce reports to 1 piece of paper, if possible

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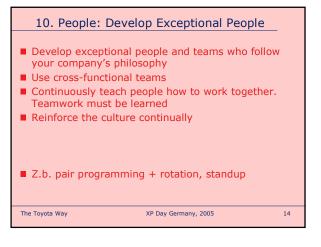
7. Process: Visual Control Burn up/down Red = work TODO Green = value created Watch the flatlines The Toyota Way XP Day Germany, 2005 11

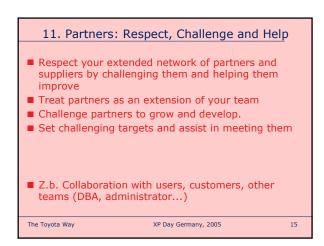
8. Process: Reliable technology

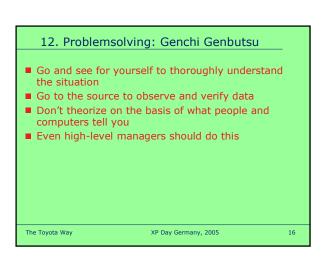
- Use only reliable, thoroughly tested technology that serves your people and process
- Use technology to support people, not replace them
- A proven process is better than new technology
- Encourage people to consider new technology.Quickly adopt if the technology has proven itself.
- Z.b. Story cards vs planning software

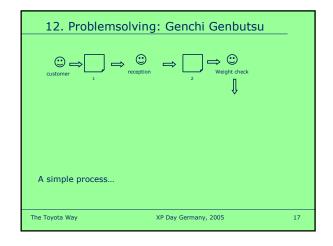
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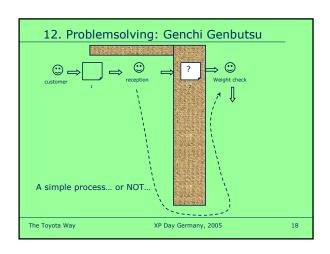
9. People: Grow Leaders Grow leaders who thoroughly understand the work, live the philosophy and teach it to others Grow leaders rather than "buy" them from outside Leaders must be role models A good leader understands the daily work Z.b. Coaching, promote from within the team











13. Problemsolving: Consensus decisions

- Make decisions slowly by consensus, thoroughly considering all options.
- Implement decisions rapidly
- Discuss problems and potential solutions with all involved ("Nemawashi")

■ Z.b.

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14. Learning: Reflection & Improvement

- Become a learning organization through
- Relentless reflection "Hansei"
- Continuous improvement "Kaizen"
- When a problem occurs, ask the "5 WHYs"
- Stable personnel, slow promotion, careful succession
- Z.b. Retrospectives, Systems Thinking, Theory of Constraints

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1. Philosophy: Long Term

- Base your management decisions on a long term philosophy, even at the expense of short-term financial goals.
- Generate value for the customer, society and the economy.
- Align the organisation toward a common goal that is bigger than making money.
- Be responsible.
- Strive to determine your own fate.
- Accept responsibility for your conduct.

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Are we really so different?

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Remarks & Questions

http://www.nayima.be

http://www.piecemealgrowth.org

Book list: http://wiki.systemsthinking.net/