

Lab Quality Confab 2011:

How to Conduct Highly Effective Kaizen Events in Your Lab and Hospital

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Email from Lean Client: Post Kaizen Event

Dear Leslie,

Our LEAN project has significantly improved our TAT, work flow and physician satisfaction. After a year and major cross training, the cost saving is starting to show up in \$.

We are in the top three of the physician satisfaction category in our hospital. The staff from the hospital rated us 4.78 out of 5.00 scale. This is the first in 20 years. Please come visit us when you are at our area.



What is Kaizen?

- Kaizen means "continuous improvement"
 - kai = to take apart
 - zen = to make good
- To take something apart to make it better
- Lean principles are founded on the idea of kaizen or continuous improvement
- The smallest ideas can lead to the greatest results



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What's the Purpose of Kaizen?

To ELIMINATE waste (non-value added activities)

Overproduction

Transportation

Inventory

Processing

Waiting

Motion

Defects



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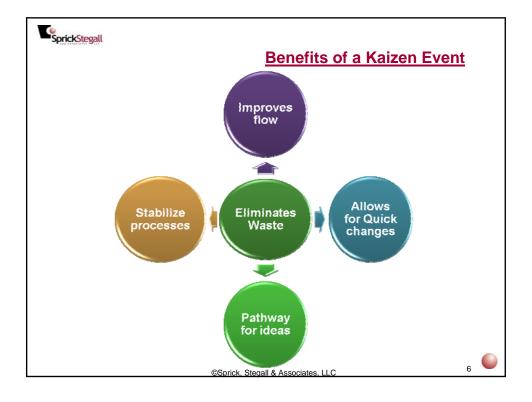


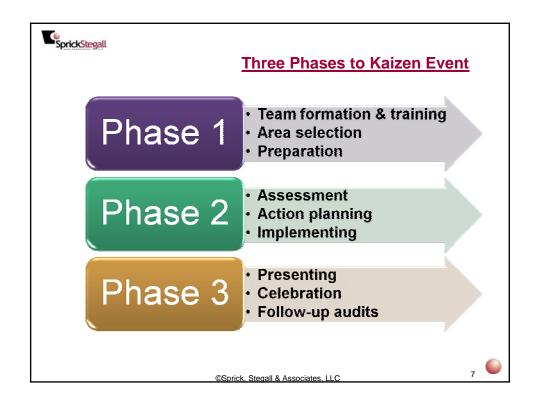
What's the Role of a Kaizen Event?

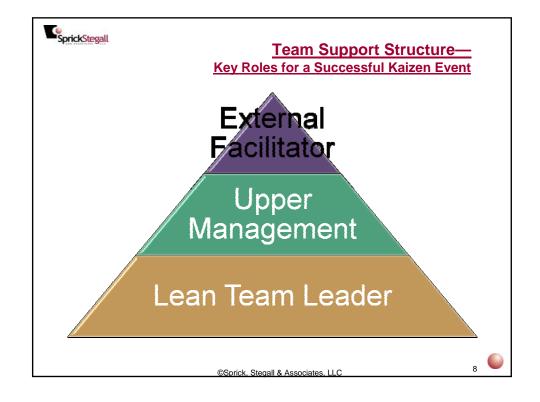
- To make "focused-changes" and involve the whole work team
- A part of production <u>shuts down</u> while the changes are made
- Kaizen events must be carefully planned, rapidly implemented and thoroughly followed up (audits)



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Key Support Roles External Facilitator and/or Internal Lean Team

Purpose

· Help you become skilled at running kaizen events

Goals

- · Learn to conduct kaizen events on your own
- · Begin to train others in your organization

Duties

- · Train team
- · Support team leaders
- Ensures effective communication
- · Serves as the link between top management and the team

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Key Support Roles

Upper Management: (Administrators, Medical Directors and Technical Directors)

Purpose

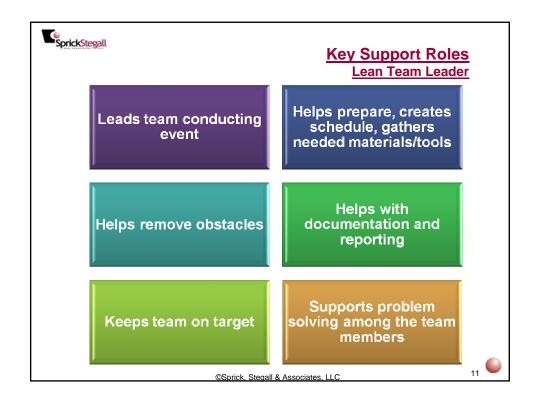
· They lend full support toward a Lean culture

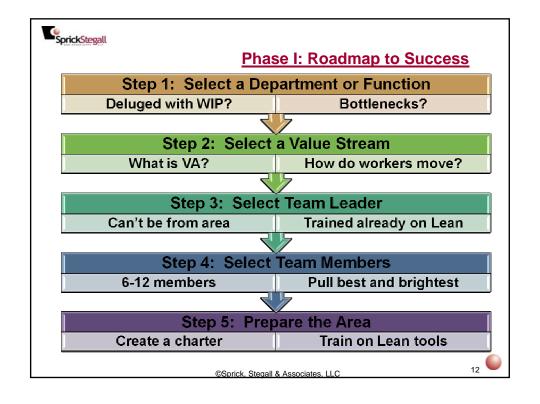
Goals

- · Make it clear that Lean will not endanger anyone's job
- · Become the source of strength
- · Attend presentations of Lean kaizen events

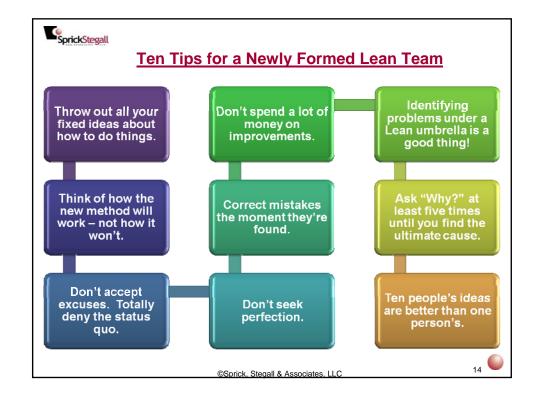
Duties

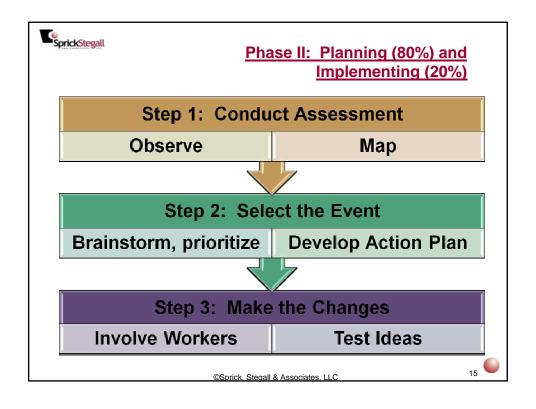
- · Decides which kaizen events are needed/desired
- · Chooses facilitators
- · Select Lean team members

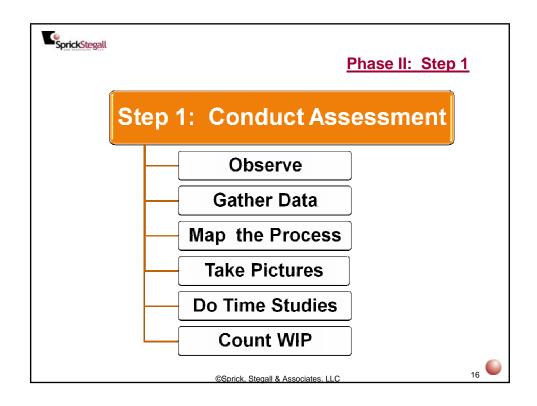










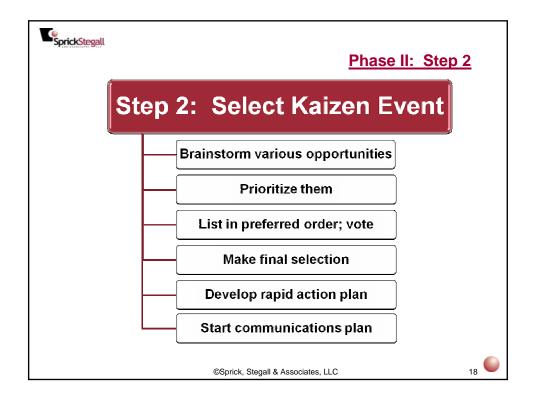




- sequence
- Poor workplace organization
- Inadequate tools
- Difficult work methods
- Little or no support
- Loose or no specifications
- Push vs. pull production flow

- responsibilities
- Incapable processes
- Cycle time/Takt time unclear
- Variability in the workplace
- Poor communication
- Lack of core skills
- Overproduction
- Quality problems

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Step 2: Brainstorming Exercise: New Process Wish List

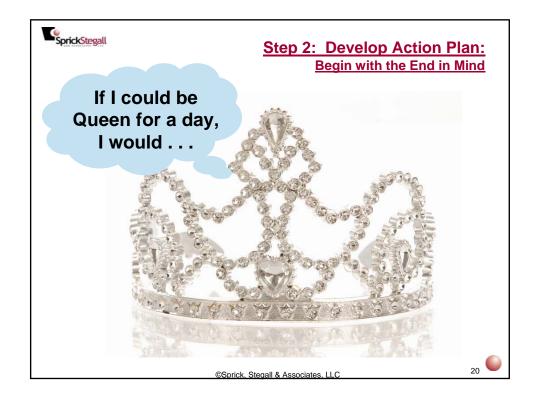
- U-shaped "line" to bring processes closer together
- Team environment (small groups)
- Work station that is "work friendly"
- Support tech role serving work cell and feeding the line
- One room for all staff
- Eliminate bins
- Build QC into the line; neartime; 100%
- Reduce handwriting
- Less walking around by workers

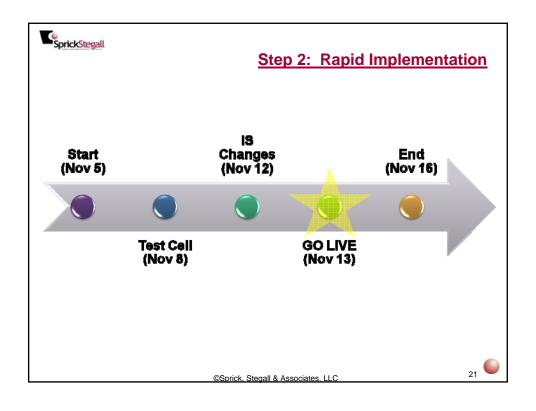
- Logical flow to the space
- FIFO
- Production kanban
- Don't take client calls in area before 5 PM
- Inventory more organized
- Keep workers working (less motion, less personal calls)
- Standardized work
- Better process for stats

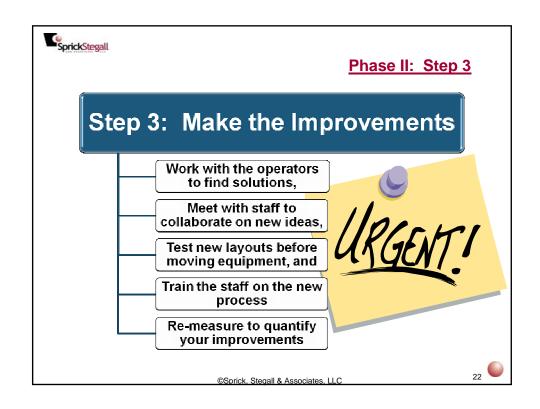
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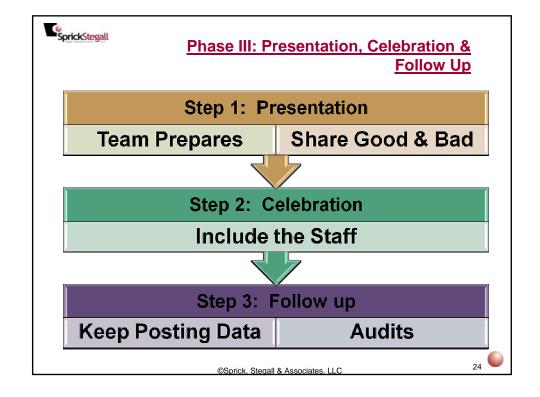














Phase III: Presentation: Sharing Key Learnings

- 1. Do more prep in the space before engagement begins
- 2. Allow more time for communication with staff
- 3. Rapid implementation is intense
- 4. IS has to be an integral part of implementation
- 5. Ask "Why?" five times to uncover root causes
- 6. Changes always have a <u>downstream effect</u> on other departments
- 7. There's <u>real value</u> in rolling Lean throughout the entire lab value stream
- 8. Staff rose to the challenges in an exemplary manner
- We've always known what we wanted to do, <u>now we know how</u> to implement the things that bring real value to the process
- 10.We've become great cheerleaders of Lean



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A Word about Communication

- Makes all the difference in success or failure!
- Announcement from the top communicates serious support.
- Establish a storyboard
- Posting schedule and steps in conducting kaizen events
- Describe what will happen <u>over and over—you</u> <u>cannot over-communicate</u>





Final Key Takeaways

- Do Lean WITH the people, not TO the people
- Understand the <u>importance of preparation and</u> <u>follow up</u>; it takes more time than actual implementation
- Success only comes with a <u>company culture</u> that supports continuous improvement!



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Thank You!



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