

PRESENTS

EDUCATIONAL SEMINAR Lean Product Design

Steve Stucky

Sr. Director of Enterprise Program Management

LEAN PRODUCT DESIGN & DEVELOPMENT PRACTICES AT STARKEY HEARING TECHNOLOGIES

MANUFACTURERS ALLIANCE

May 9, 2019

Steve Stucky

Starkey Hearing Technologies





OUR VISION

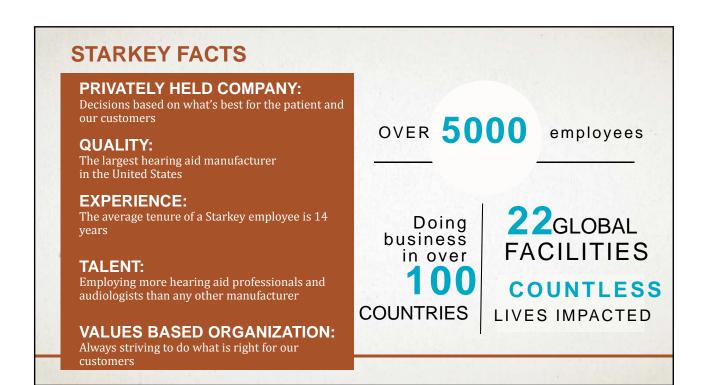
"Better today than yesterday... Better tomorrow than today."

OUR MISSION

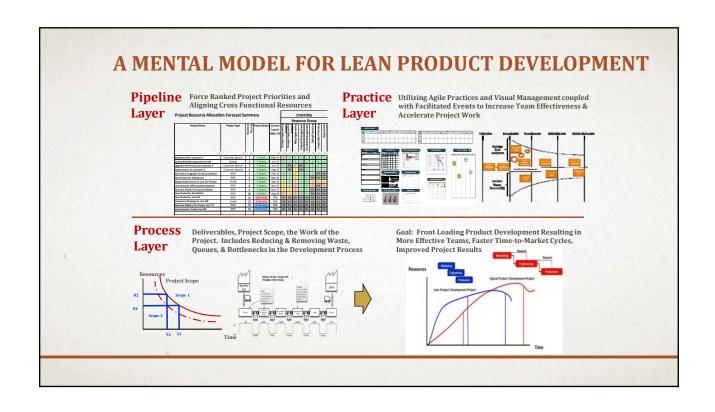
"To serve our customers better than anyone else."

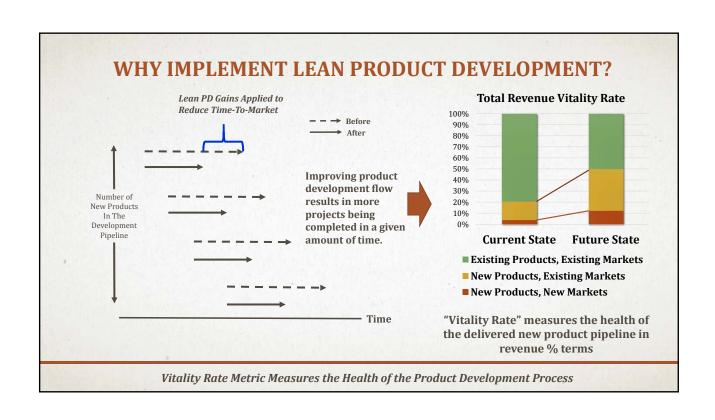
OUR PURPOSE

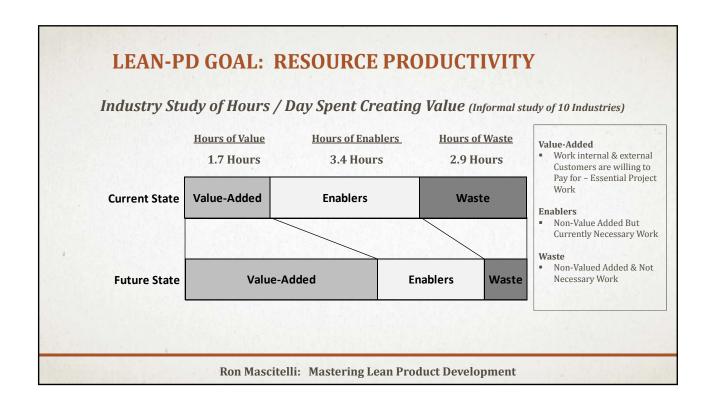
"So the World May Hear"

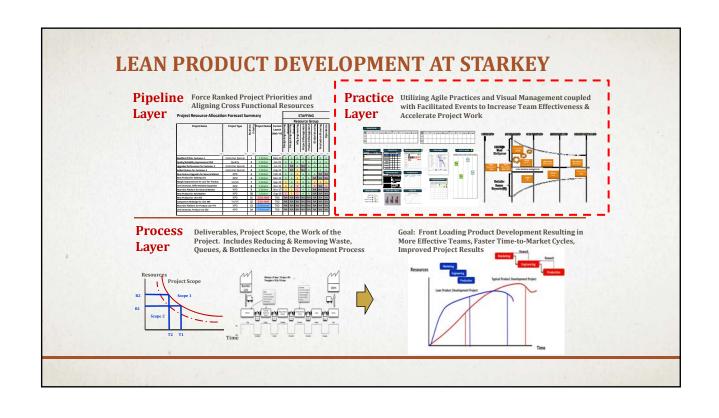


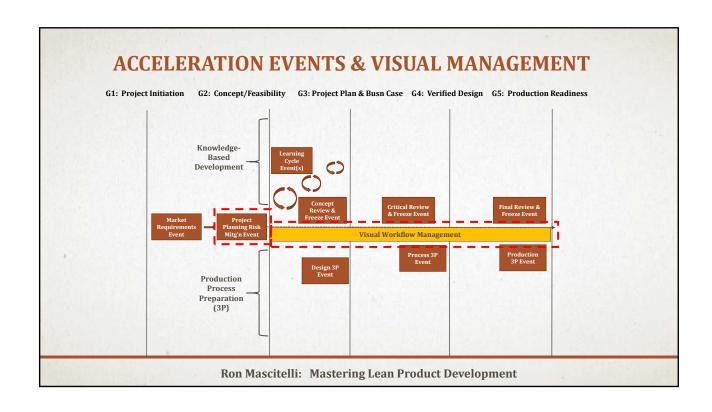


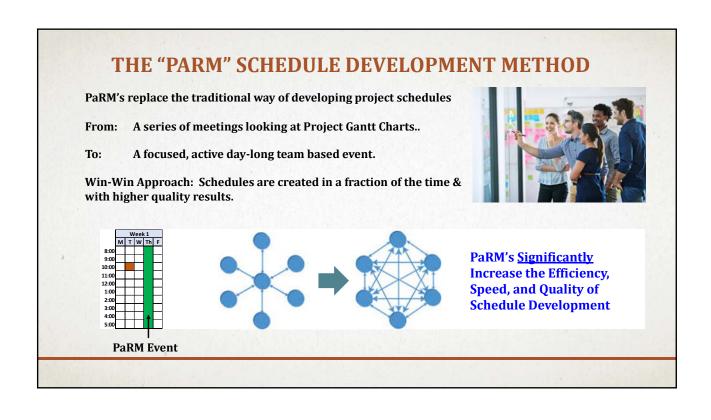


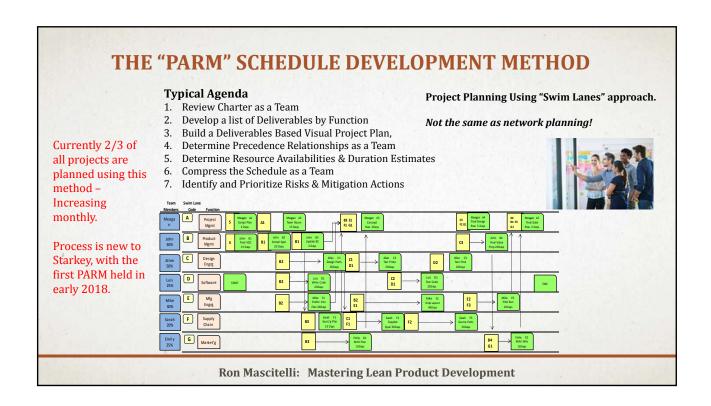




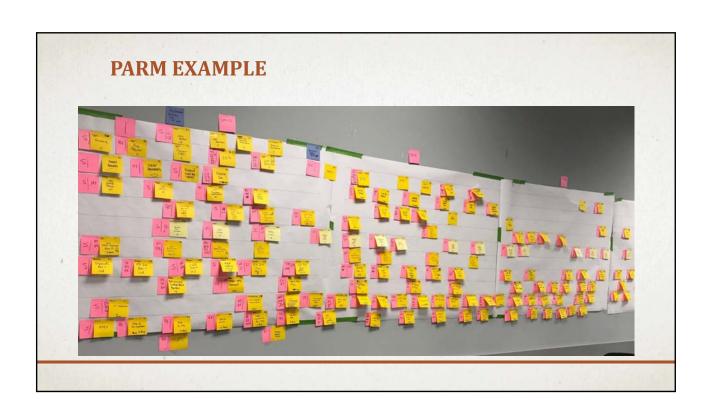












SCHEDULE COMPRESSION

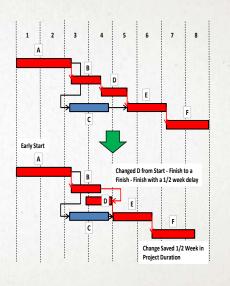
Schedule Compression Process:

- Viewing the Critical Path as a team, discuss opportunities & assumptions and determine ways to reduce schedule
- Capture assumptions & agreed upon schedule changes.
- Update changes in MS Project
- Repeat until compression results are minimal or goal is met.
- Estimate Confidence Interval for compressed project schedule as a team.

Schedule Compression Methods:

- 1. Early Start
- 2. 'Parse' High Duration Activities
- 3. Reduce Duration Estimates

The First Schedule is Never Right.
Compression <u>Must</u> be a part of the Event



SCHEDULE COMPRESSION

During Compression Activity...

• Capture task level changes on white board and all assumptions, especially for duration reductions

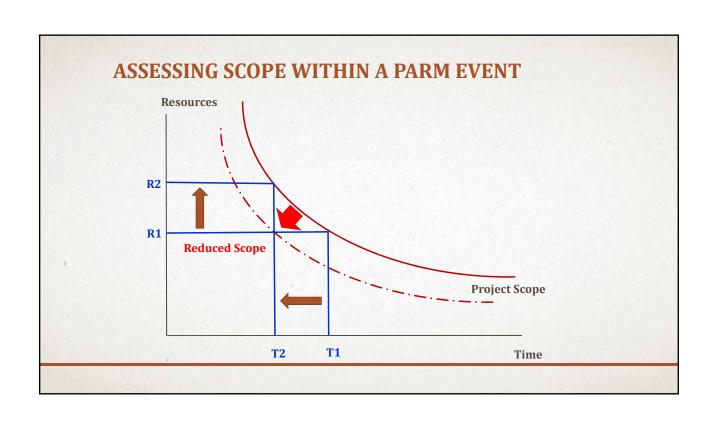
Target Launch Date 1-Nov-19

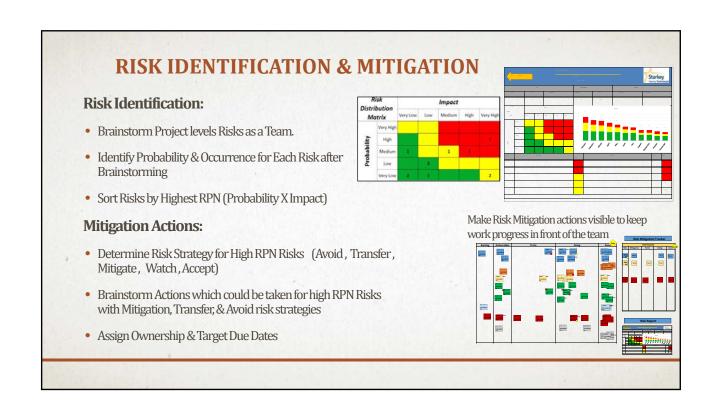
Project Compression Facilitation

		Launch Date before Compression	15-Dec-19
Task #	Change Description	Effect of Change	Launch Date
15	Early Start - Chg to Finish-to-Finish with a 10D Delay	20D to 10D Critical	5-Dec-19
22	Early Start - Removed Predecessor Task 21	Removed from Critical Path - 15D	20-Nov-19
33	Parsed Long Duration Task of Non-Critical activity 8D from 20D activity	Reduction of 8D	12-Nov-19
39	Reduced Duration by 5 Days (Assumption #1)	10D to 5D	7-Nov-19
42	Early Start - Chg to Finish-to-Finish with a 3D Delay	12D to 3D	29-Oct-19
47	Reduced Duration by 7 Days (Assumption #2)	20D to 13D	22-Oct-19

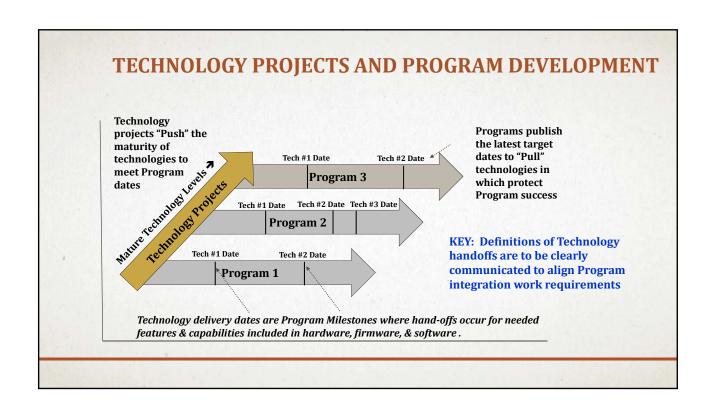
#	Assumptions	Resource	Owner
	Resource availability will be dedicated to this activity for this time frame. Other work will be reallocated	Mfg Engrg	PM
2	Expedite Materials for Production Build from Key Suppliers	Supply Chain	SC

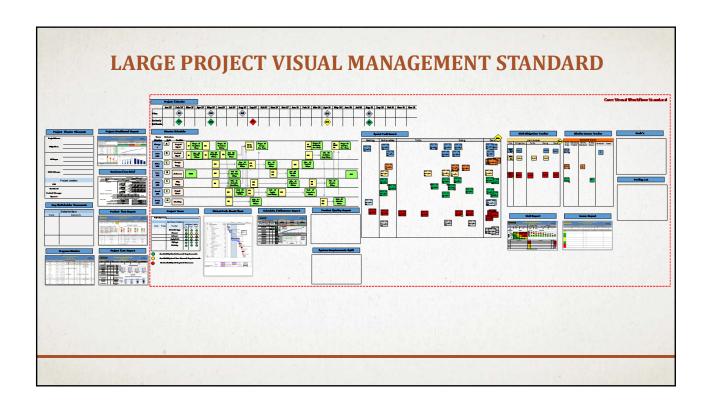
 Get Confidence Interval estimate from team (Generally 50% to 80% depending on the amount of compression)

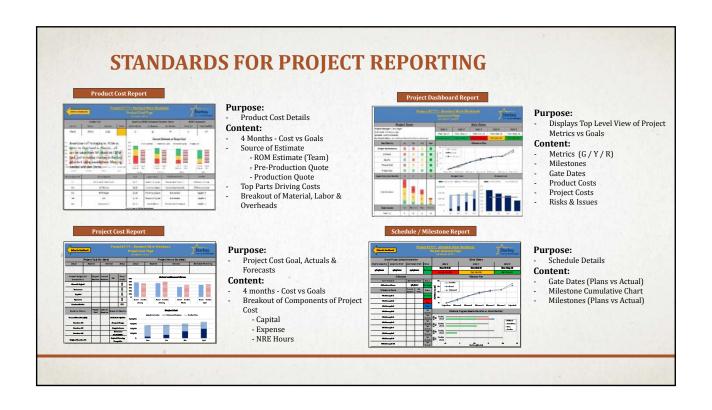


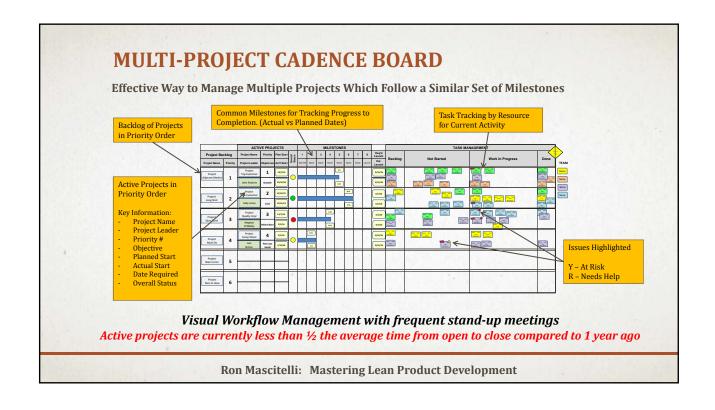


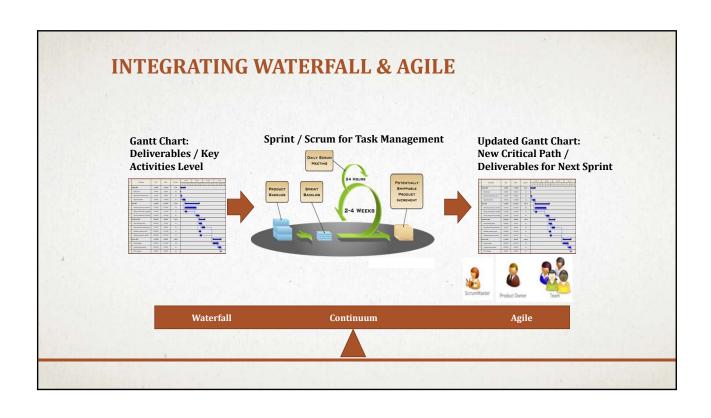
Different Boards for various uses:				
Board Type	Application			
Team Room Visual Wall	Larger Projects / Cross Functional Teams Longer Durations			
Multi-Project Board	Smaller Projects or a Department for tracking work across multiple projects by a team			
Cadence Board	Multiple Smaller Projects in "Swim lanes" with Key Performance Indicators, Project Status, Schedule, and Actions			
Kanban Board	Pull System for Smaller Assignments Ideal for Sustaining Activities			
Pulse Board	Functional Alignment & Reporting Board Excellent for Top Management Reporting of Issues			

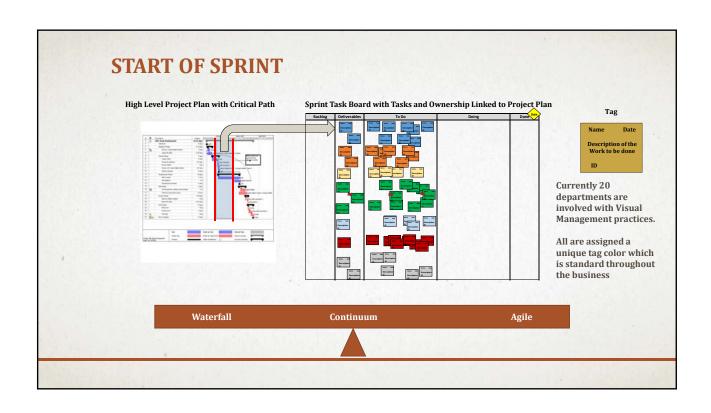


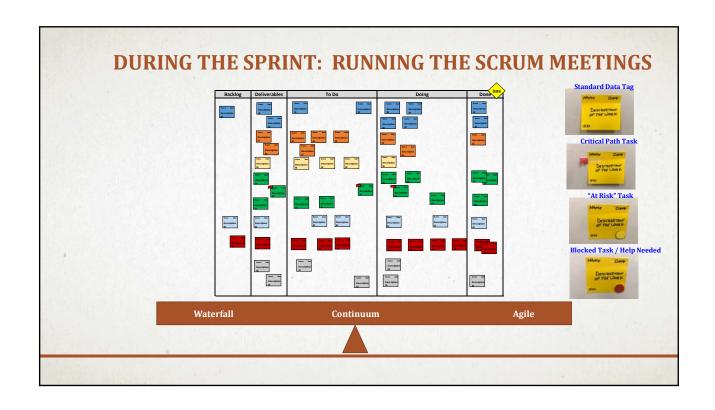


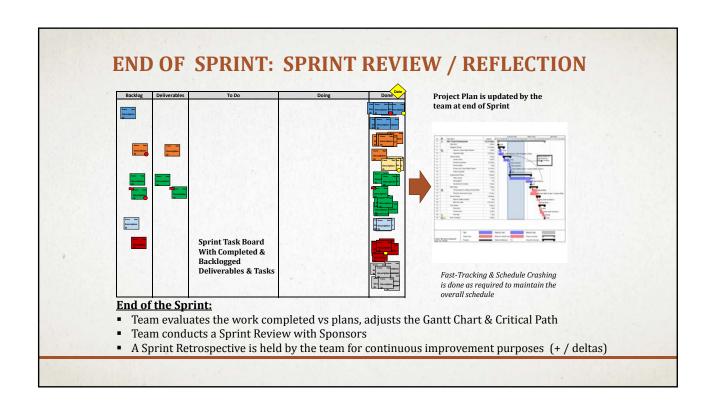












THE STAND-UP MEETING

Short in Duration & Focused... Respecting Peoples Time is Key!

Stand-Up Meeting Agenda

- Critical Path Items / Support Discussion (Red Flag Deliverables)
- Issues Update Who is Blocked / has Issues & not on Critical Path
- Rest of Team Updates (At the Board)
 - o What has been done between this stand-up & previous stand-up?
 - o What will be done between this stand-up & the next stand-up?
 - o Are there any other issues?
- Any Additional Risks / Concerns from any Team Member

Urgency	Frequency	Situation
Critical	2 times per Day	Emergencies, Fire-Fighting, Just prior to Launch
Very High	Every Day	Projects behind schedule and may need a large amount of coordination
High	3 times per Week	Typical projects with high schedule pressure
Low	2 Times per Week	Projects with lower schedule pressure or lower priority

Ron Mascitelli: Mastering Lean Product Development

MY LESSONS LEARNED FROM LEAN PRACTICE IMPLEMENTATION

- Implement changes at the pace the organization can adopt
 - Not "Too Much, Too Soon"
- Focus on the quality & speed of stand-up meetings
 - Value-Add time spent by teams drives adoption
- Continuous Improvement of Visual Management Standards
 - · Identify what's working & what isn't working
 - Benchmark, experiment, iterate, & improve

OPPORTUNITIES AHEAD...

- Broadening adoption of acceleration events beyond PARMs
 - Market Requirements Events / Rapid Learning Cycles
- Utilizing Visual Management for Leadership Updates / Reviews
 - Lean project reporting Value Add for teams & leadership
- Further improvements in Value Add time spent in events & stand-ups
 - "Raising the Bar" through competency development & coaching

THANK YOU

MANUFACTURERS ALLIANCE

STEVE STUCKY

