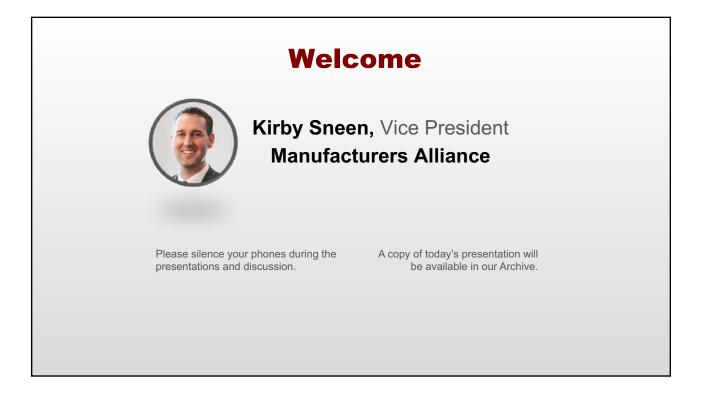


# Manufacturers Alliance Seminar Improvement Cultures that Last

Hear what leaders have done to root their improvements in principles and systems to sustain their lean journey.



# Thank you to our sponsor

Sara Dado MPS Technical



## **Thank you members**

Activar, Inc. All Flex Flexible Circuits, LLC Aqseptence Group, Inc. Artistic Finishes **BTD Manufacturing** Buhler CDI Curbs DDL Inc. **Dedicated Networks** DSTI Eaton Exlar Corporation FAST Global Solutions Gemini General Label **Glamos Wire Products** 

Glen Metalcraft **GN ReSound** Hawkins Helical Anchors Medivators Metal Craft Machine **Mikros Engineering** MOCON Polaris. **Preferred Sands** Prospect Foundry Teleflex Medical **Tennant Company** Unison Comfort Technologies Upsher-Smith Labs Wagner Spray Tech.

Member Companies may **send up to 5 employees** to Educational Seminars and Webinars at no cost.





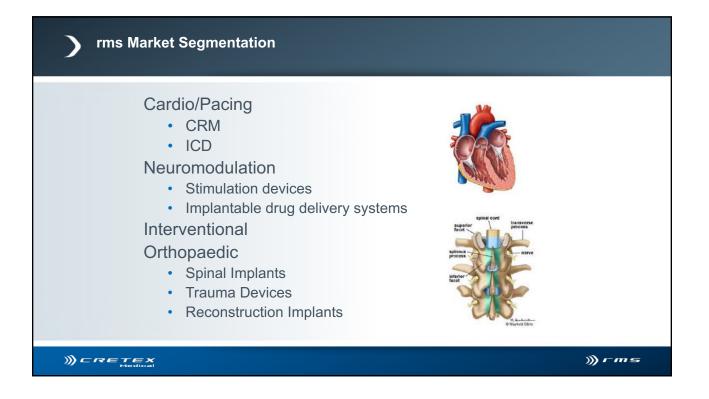
# Lee Zachman

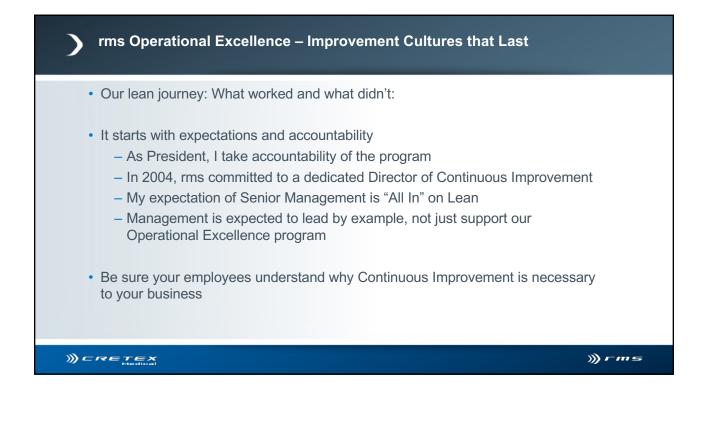
President

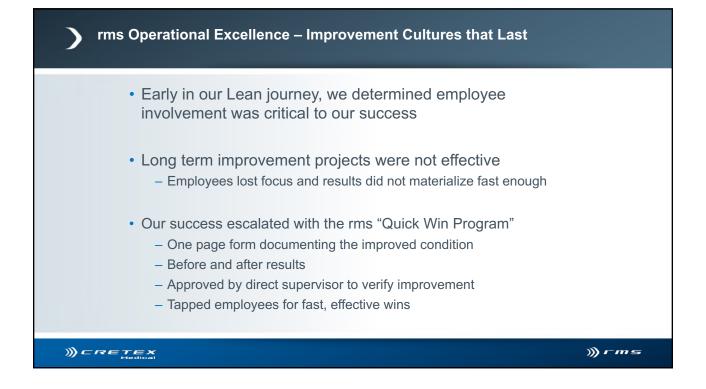




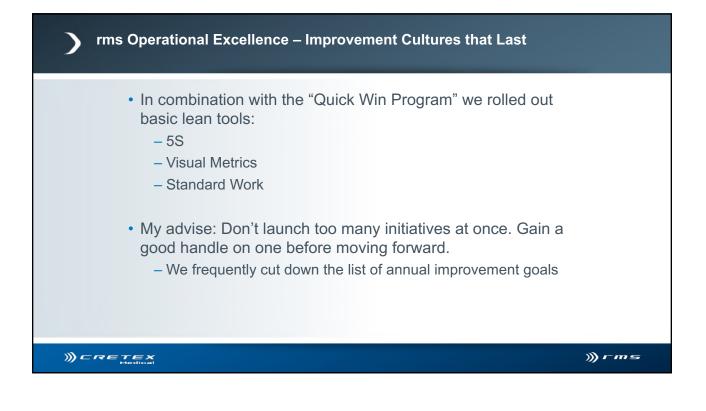










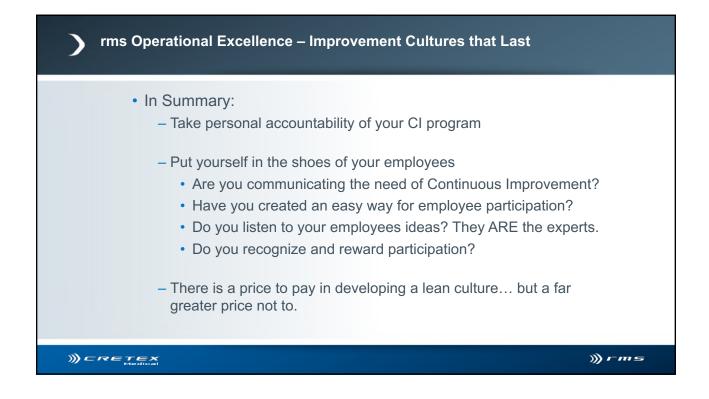


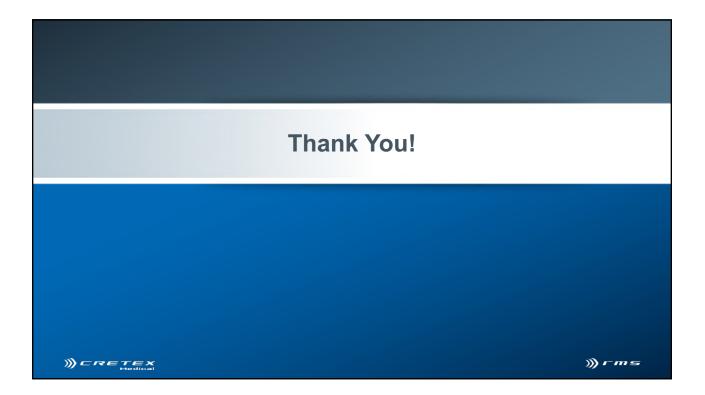












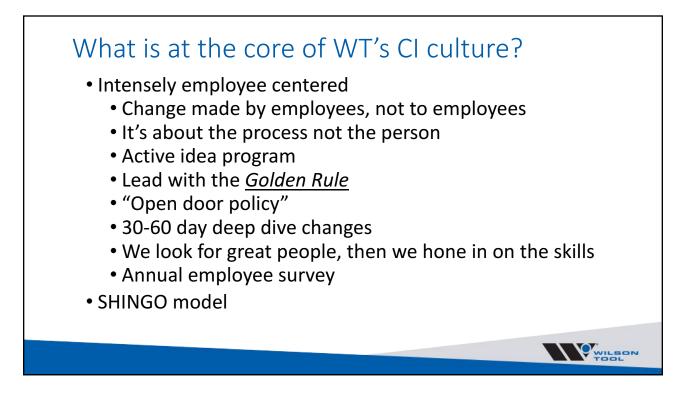


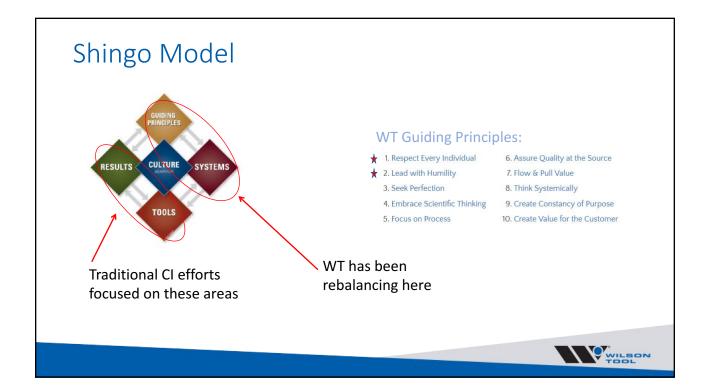


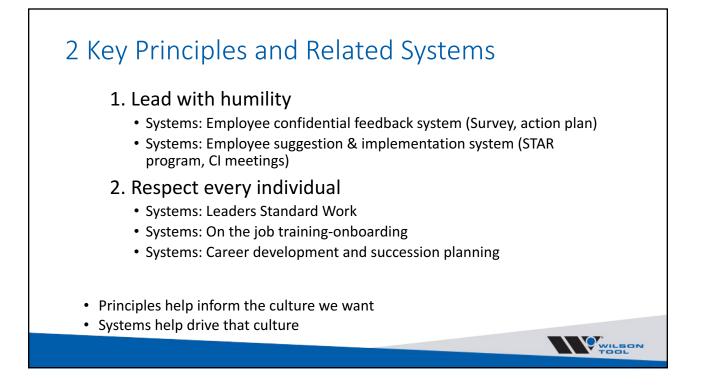


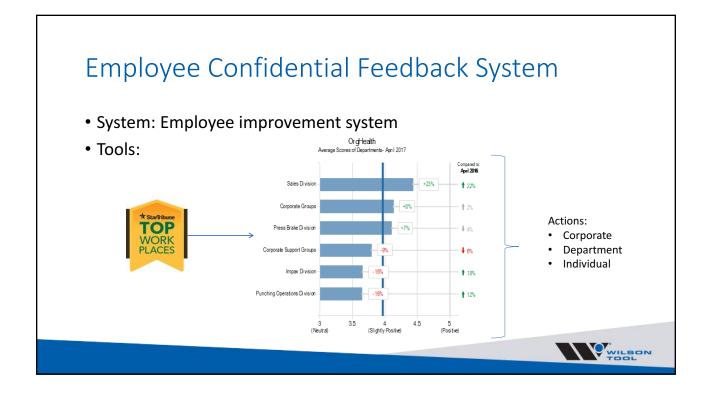
# <section-header><section-header><image><image>

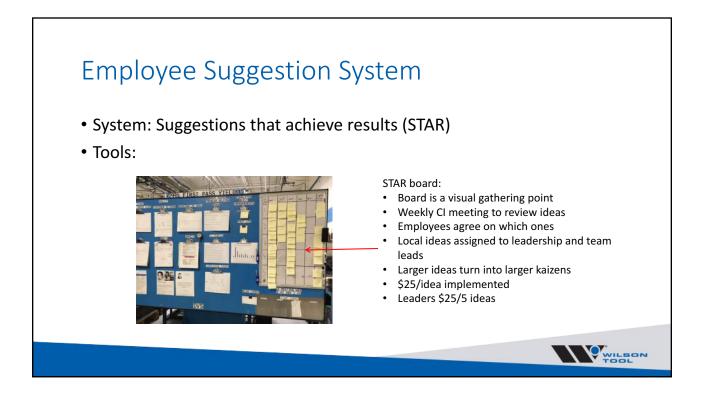














# We've made mistakes!

#### **Mistakes**

- Too focused on tools and the results
- Underestimated change impact on people
- Change done on people, not with people

#### **Changes Made**

- We refocused on our principles and ideal behaviors
- Unless you have a crisis, be aware of change management; We moved away from focusing on 5 day kaizen events
- Leaders began to realize the difference of making change to people vs done with people; employee survey helped

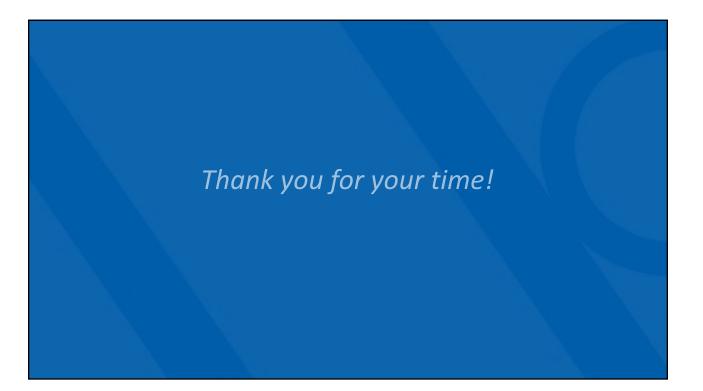
WILSON

We've made mistakes	• =
<u>Mistakes</u>	Changes Made
<ul> <li>Strategic planning was not</li> </ul>	• We now use a simple system-
linking where we were going	Traction; other systems proved
with what we were doing	too complicated
• Employee suggestions were not	• Team leads were a key resource
followed up on quickly	that enabled sustaining
	changes and following up on
	ideas in a timely manner
• We go thru periods of	Benchmark award winning
stagnation	companies yearly

WILSON

# Challenges to maintain our culture as we move forward?

- 2<sup>nd</sup> and 3<sup>rd</sup> generation ownership changes (??), not as risk averse
- Turnover will be higher due to retirements (knowledge out the door)
- Generational challenges
  - Do next generations stay with a company for a career?
  - Work-life balance demands
  - Next generation wants to learn more and move more
- Innovation should be disruptive in what we look like today vs in the future





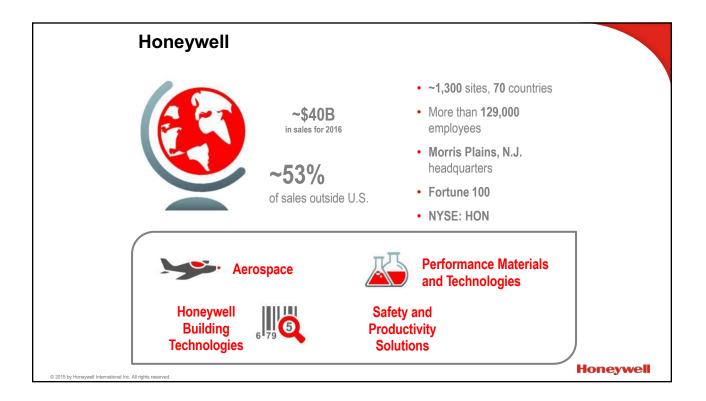


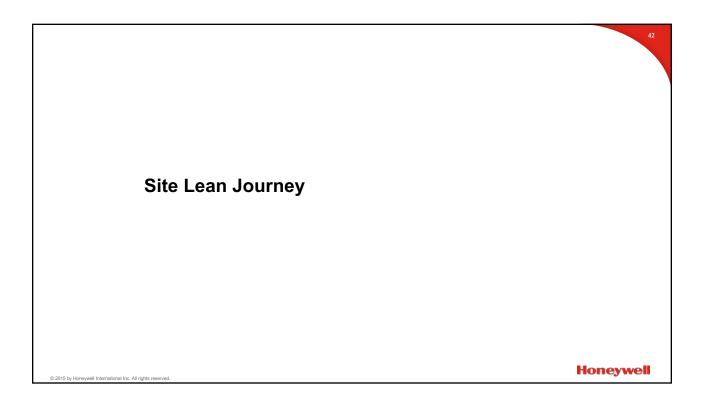


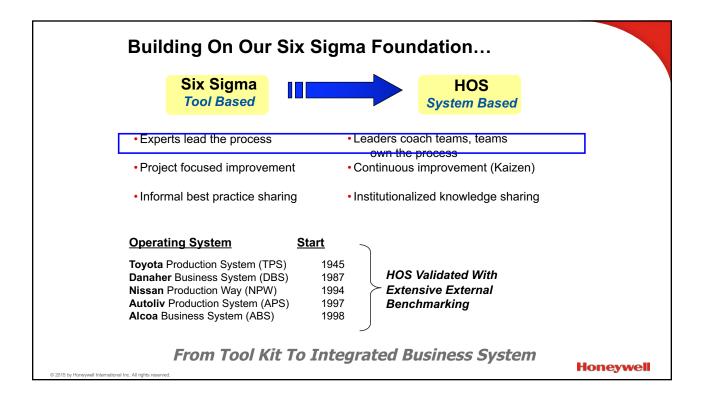
# Leigh Erickson

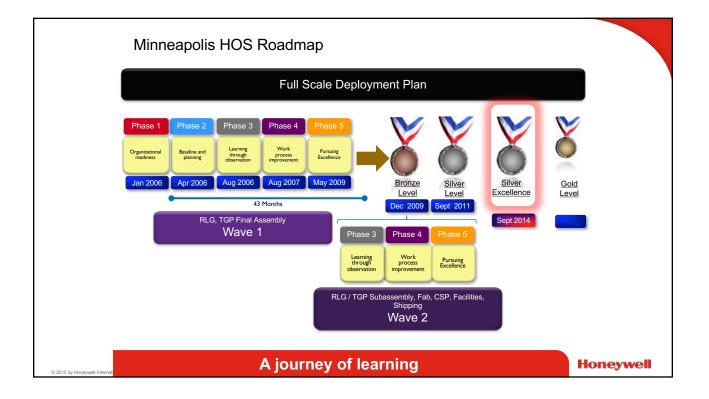
Sr. Operations Manager

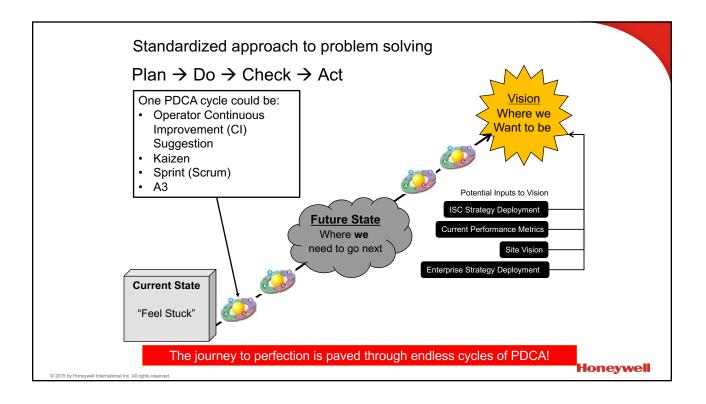


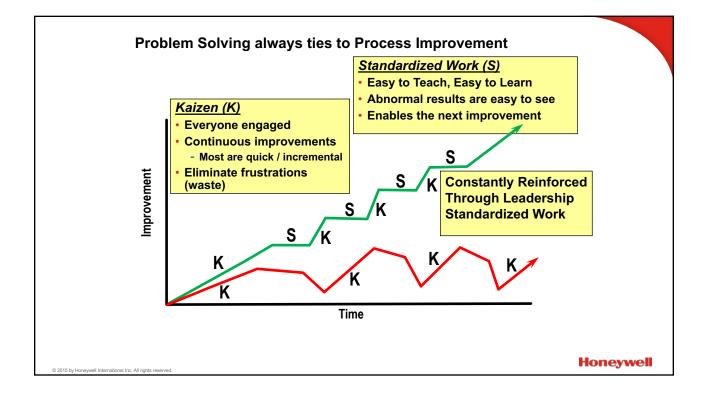


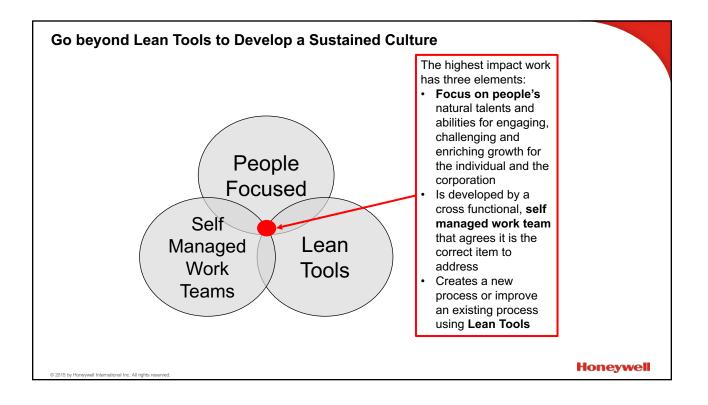


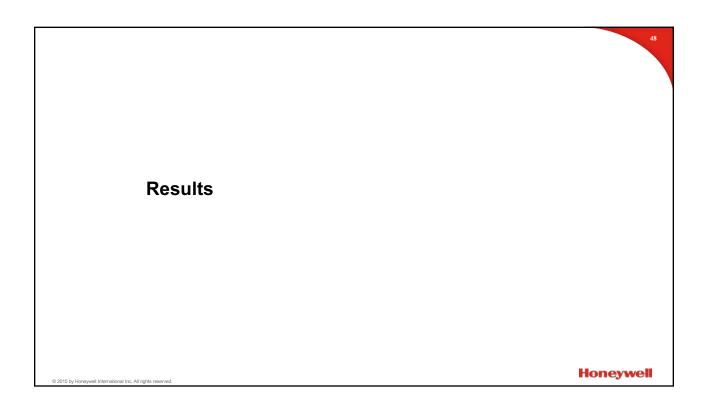






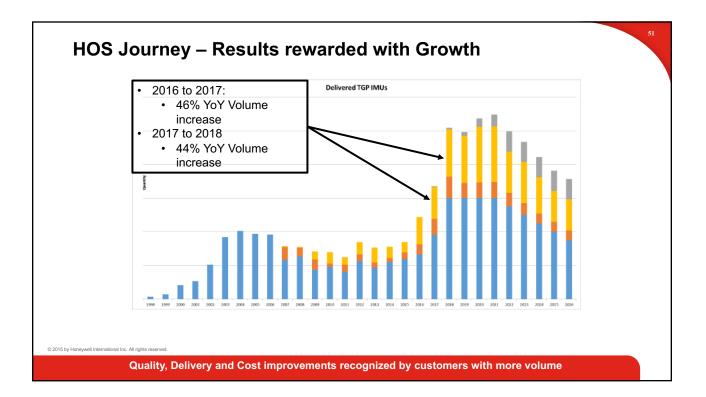








Criteria         2007         2012         Change           Volume         24,385         32,316         32%         Image: Constraint of the second	GG1	320 Ri	ng Lase	r Gyro			
Average WIP (\$000's)\$10,600\$3,90063%•Less cash / Less capital • More capacity • Higher profitAverage WIP Turns5.8021.50270%•Higher profitCycle Time (days)8731.963%••Labor hours/unit (indexed to 2007)1.00.8416%••	Criteria	2007	2012	Change			
Average WIP Turns       5.80       21.50       270%       •       More capacity         Average WIP Turns       5.80       21.50       270%       •       Higher profit         Cycle Time (days)       87       31.9       63%       •       Higher quality         Labor hours/unit (indexed to 2007)       1.00       .84       16%       •       Faster response to demand         •       Enables new markets       •       •       •       •       •	Volume	24,385	32,316	32% 🕇	<u>So</u>	What?	
Average finite land       Code       21:00       21:00       21:00       21:00       100       Higher quality         Cycle Time (days)       87       31.9       63%       Image: Code of the second secon		\$10,600	\$3,900	63% 👃		I I	
Cycle Time (days)       87       31.9       63%       • Opportunity to increase market share         Labor hours/unit (indexed to 2007)       1.00       .84       16%       • Faster response to demand         • Enables new markets	Average WIP Turns	5.80	21.50	270% 🕇	0 1		
(indexed to 2007) 1.00 .84 16% ↓ • Enables new markets	Cycle Time (days)	87	31.9	63% 👢		•	share
Delivery / OTTR % 99% 99.54% 0%		1.00	.84	16% 🦊		•	
	Delivery / OTTR %	99%	99.54%	0% 🔶			









### How did we do?

Please fill out your *feedback sheet* for today's seminar.



Leverage the best practices and lessons learned from a diverse panel of industry peers.



Gemba Walks August 9 at Starkey in Eden Prairie

#### Process Mapping for Improvement

September 14 at Dunwoody College







