

Moonshine in a Healthcare Environment

Lessons from the Trenches

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Objectives

- Define purpose and intent of moonshine
- Recognize opportunities for moonshine application within your organization
- Apply high-level steps of the moonshine process to a project











Moonshine Defined

Prototyping when a supply or piece of equipment doesn't exist that meets our unique needs or is not cost effective

- > Fast and inexpensive
- >Uses available materials
- ➤ Involves 'try-storming'
- > Requires creative, unstructured environment



Key Concepts

>Try it before you buy it

> The learning is in the doing

> No money spent = creativity at a new level

➤ "Building to think" (IDEO)



The Problems We Faced...

Staff ideas would get stuck

Work arounds

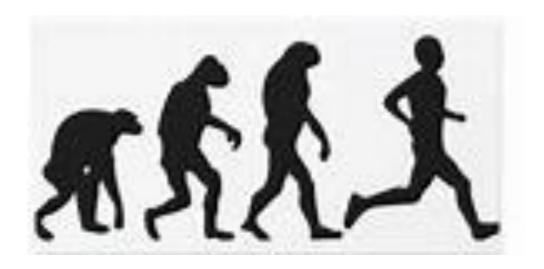
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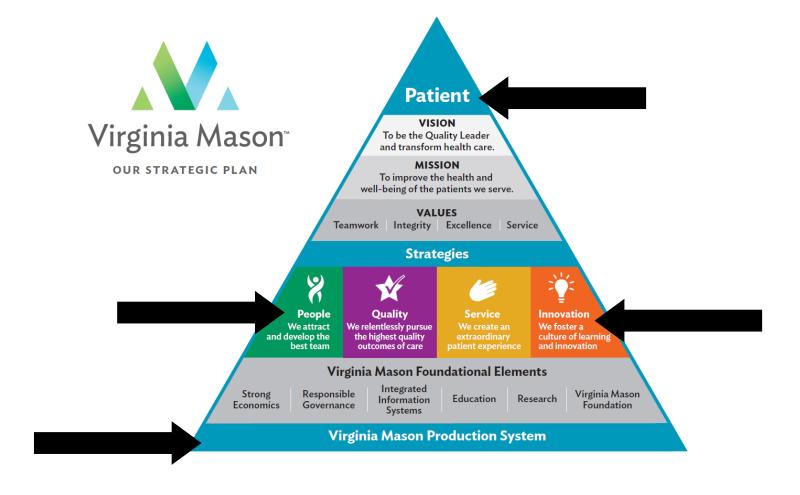
How We Evolved Into Moonshine

Exposure through manufacturing field trips
Studying/adopting lean practice
Deliberate focus on innovation R&D/prototyping





How It Fits Strategically





We Rely on Staff and Customer Creativity



- Skills & knowledge extend beyond day jobs
- Involve staff,
 patients, families,
 board members,
 business partners—
 the sky's the limit



Benefits to Healthcare

- Helps with resource constraints, cost containment
- > Can fix burdensome or unsafe work arounds
- > Forces understanding of critical function(s)
- Means for the actual user to create ideal product
- > Can help improve patient safety and flow



Examples









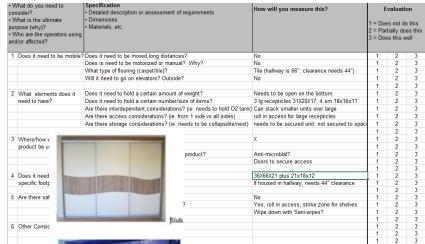
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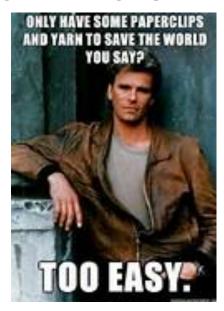








How About Back at Home?

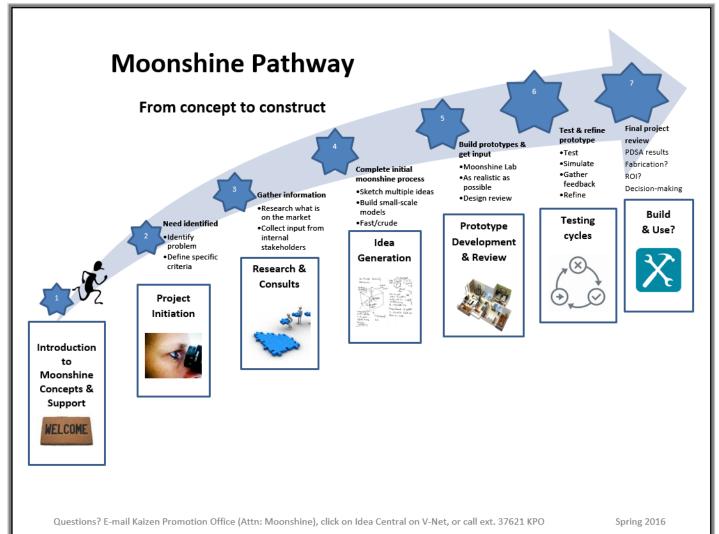


- Any current moonshine examples?
- Possible issues that could be solved by moonshine?
- ➤ Who are your MacGyvers?





Steps of Moonshine





Is Moonshine the Right Thing? 👺



- Do you understand the impact of the product (or lack of) on operators and flow 🥝
- Do you need a product that does not exist in the marketplace?
- Does a product exist but it does not meet your unique needs?
- Is it cost effective to buy it?
- Do you need test an idea before you purchase?



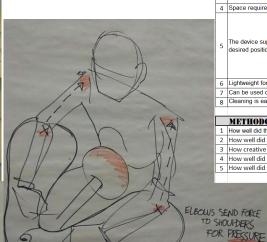


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PIVOT POINT

MOTH FOLDING IT'S WINGS





	EVALUATION - HOW SPECIFICATIONS?	1 = Does not do this 2 = Partially does this 3 = Does this well			
	FUNCTIONAL SPECIFICAT	TIONS	Score for Model #1	Score for Model #2	Score for Model #3
1	Device is stable independently	No assistance is required to secure the device while in use	WIOGEI #1	WIOGEI #2	Wiodel #3
2	Device is easily adjustable and supportive of all body types (ht, wt, girth)	Takes ≤ 5 secs per adjustment in it's final form			
		No more than 5 adjustments			
3	Line management	Separate flows for monitor lines and IV lines to secure and allow access by provider			
4	Space requirements	Limit footprint to 2' x 1'			
	The device supports the patient in the desired position	Patient's hips initial 90 degrees adjustable forward to 60 degrees			
		Visibly reverse curve out of lower back from convex to concave			
		Back has to comfortably sustain a reverse arched position			
5		Arms supported in a neutral position preventing forward slippage			
		Feet must be supported			
		Head must be supported			
		Face is visible and can accommodate an O2 mask or nasa cannula			
6	Lightweight for mobility	Could weigh < 15 pounds in it's final state			
7	Can be used on any bed or stretcher	Can be placed and patient positioned within 90 secs			
8	Cleaning is easy	< 15 seconds to complete			
_		Total Score			
METHODOLOGY					
1	How well did they use the 11 steps of moonshine/3P process to tell their story (see attached)?				
2	How well did they rise to the level of change requested?				
3	How creative is the prototype compared to current state?				
4	How well did they use available resources to meet the functional specifications?				
5	low well did the prototype meet the functional specifications?				
		Total Score			







Seahawks Team













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Team Seahawks Roster

Captain: Debbie Cutchin

Adam Lefebvre

Jacqui Owen

Michael Kimball

Lisa Lingenbrink

Karen Carter (Evergreen)



Mariners Team







Sounders Team



XXX

Team Sounders Roster

Captain: Joleen Bishop

Marla Brown

Carly Magnusson

Lou Lund

Susan Downey



Mariner's Roster

Erik Borgesen

Captain: Val Marquardt Michelle Reesh (Evergreen) Chris Page Matt Liedtke







Step 6







Moonshine Design Review #2 Agenda (typically up to 30')

Goal: Decide whether to proceed with	Agenda			
constructing a testable prototype	☐ Introductions/roles			
-				
	recognition process and whether to initiate alternative kaizen work			

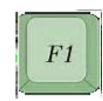




Gift of Learnings

Identify core functions





Connect with nature

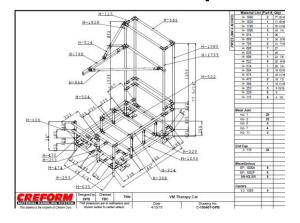




Not all projects are created equal



VS





Struggles

- Project diversity
- System complexities
- Regulatory requirements
- Technical expertise
- > Inertia
- > Prioritizing



Key Messages

- Anyone can do it; just jump in and get your hands dirty
- Recognize and celebrate your team's ideas and efforts
- The faster you try, the faster you learn
- Deny expensive materials to begin with



Purpose-Driven Excellence

- ➤ Build organizational commitment to a lean journey
 - Both process improvement and product improvement
- ➤ Incorporate intentional focus on innovation as part of that lean journey
 - Support team members in being creative and tackling problems/issues in daily work



Discussion



Thank You!

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Session: WP/21

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