

Code Culture Journey

Omer Talmi, Orbotech
November, 2018





WIIFM

WHAT'S IN IT FOR ME?

Spaghetti Tower Marshmallow Challenge



1

Spaghetti Tower Marshmallow Challenge



1 Meter



1



20



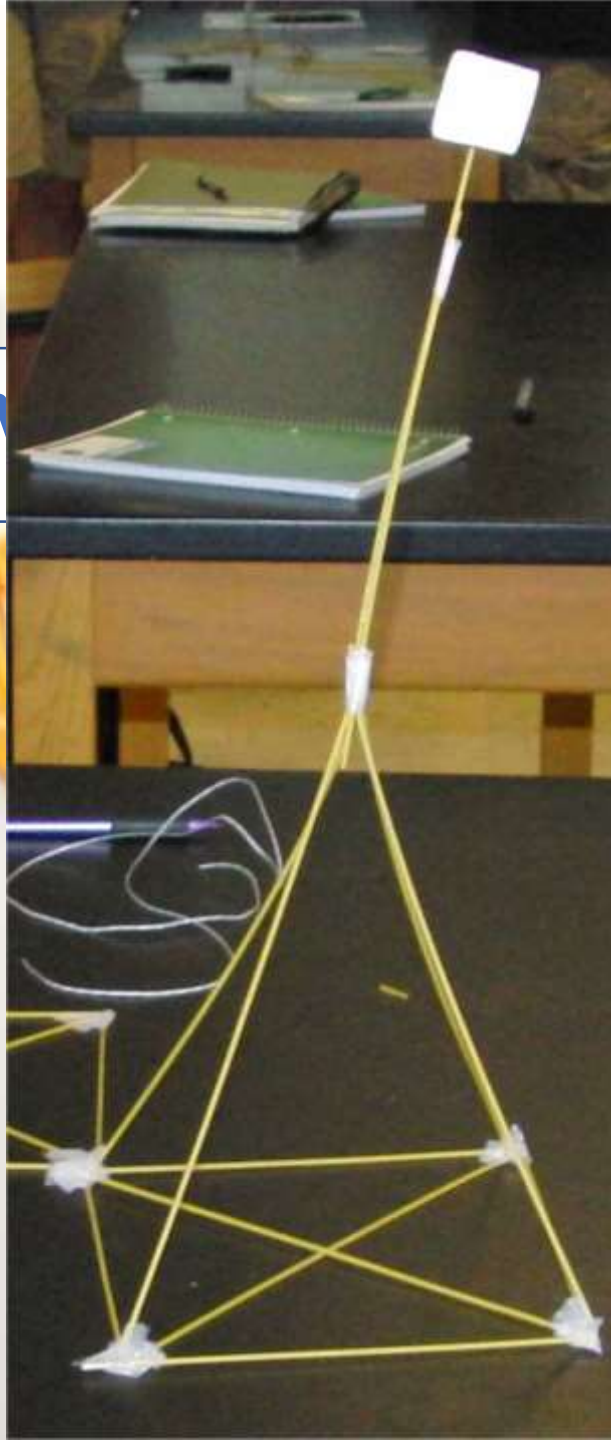
1 Meter

1

Spaghetti Tower Challenge



1 Meter



1 Meter







Talk

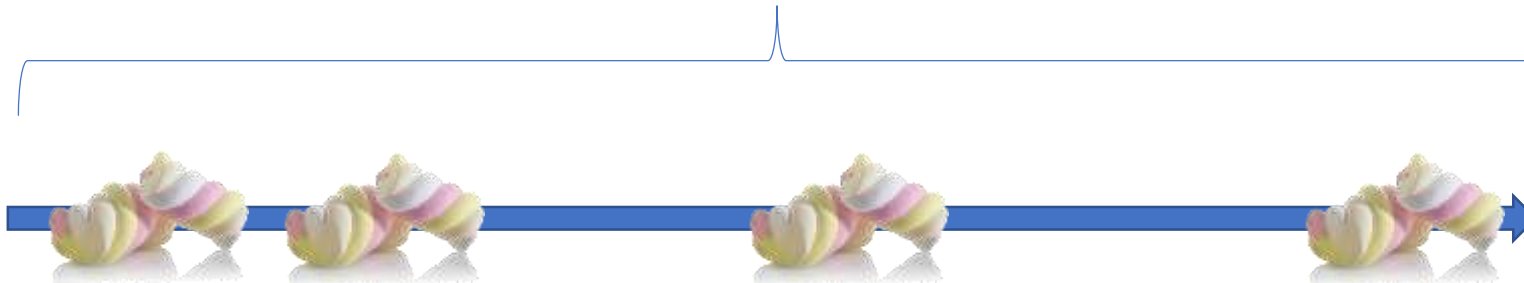
Plan

Building



18 minutes

Building + Learning

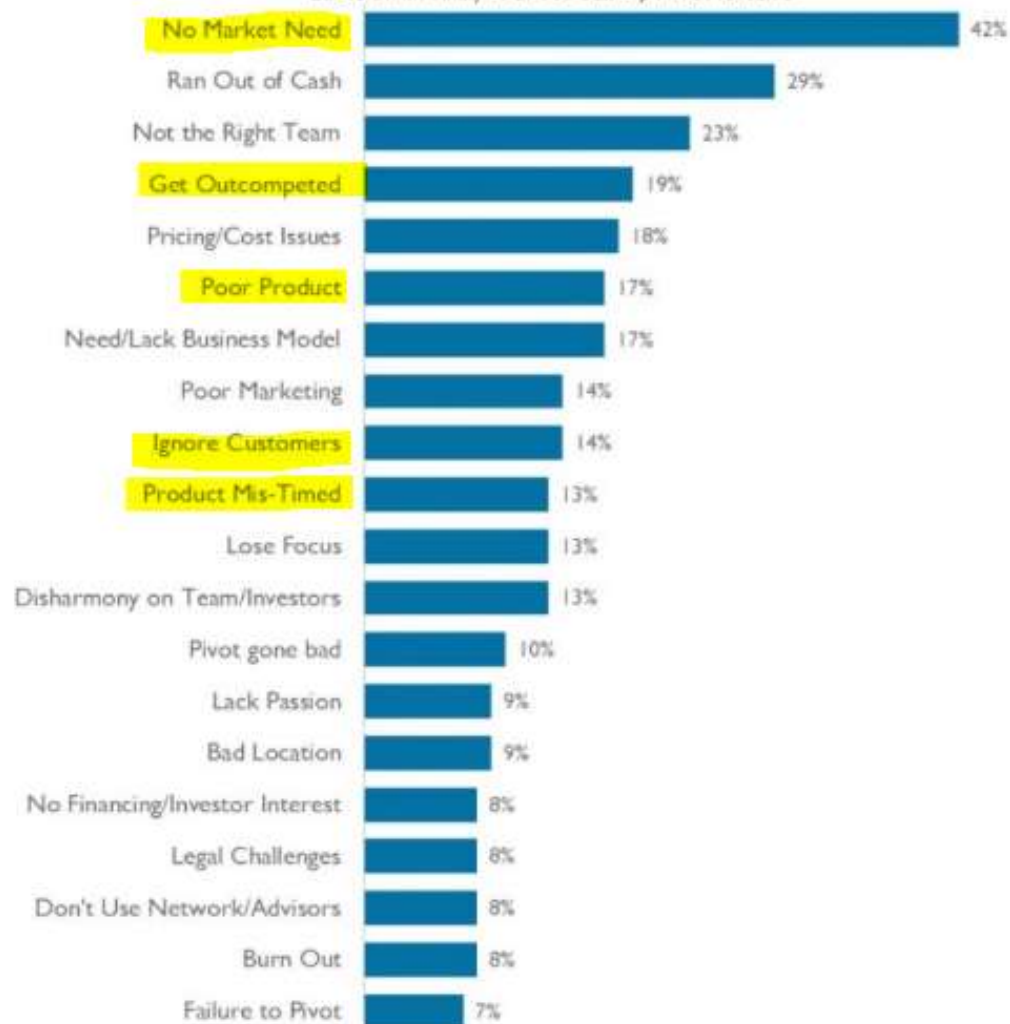


18 minutes



Top 20 Reasons Startups Fail

Based on an Analysis of 101 Startup Post-Mortems



Customer Satisfaction



“We must learn what customers really want, not what they say they want or what we think they should want.””

Eric Ries – “The Lean Startup”

MVP

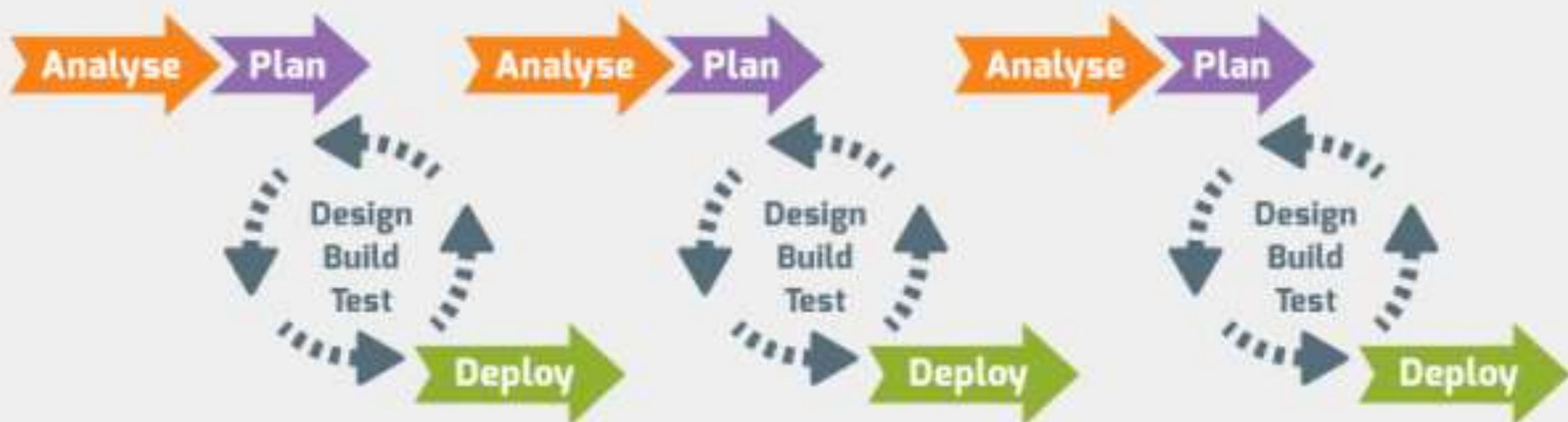
(Minimum Viable Product)



Method (Waterfall)



Framework (Agile)



INDIVIDUALS AND INTERACTIONS

OVER PROCESSES AND TOOLS

THE
AGILE
MANIFESTO

WORKING SOFTWARE

OVER COMPREHENSIVE DOCUMENTATION

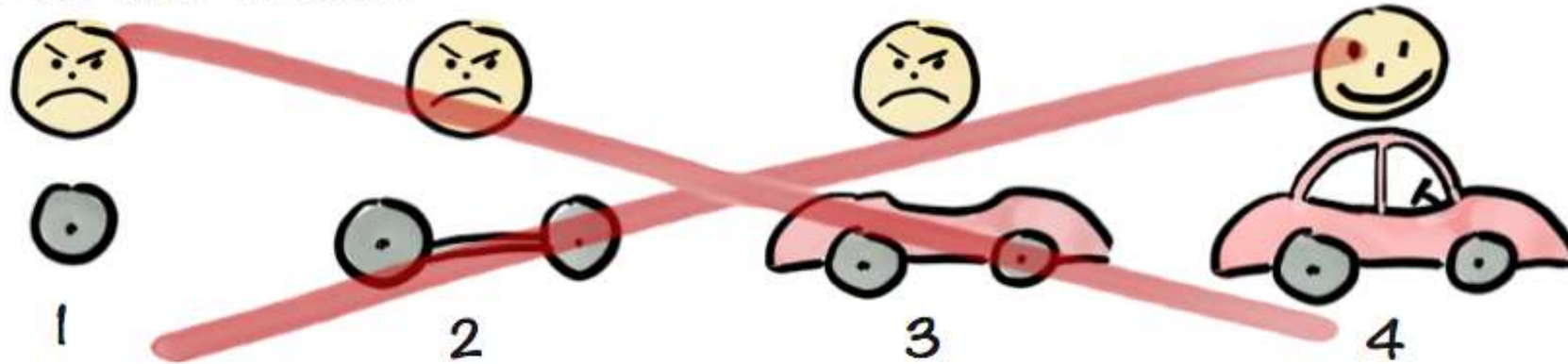
CUSTOMER COLLABORATION

OVER CONTRACT NEGOTIATION

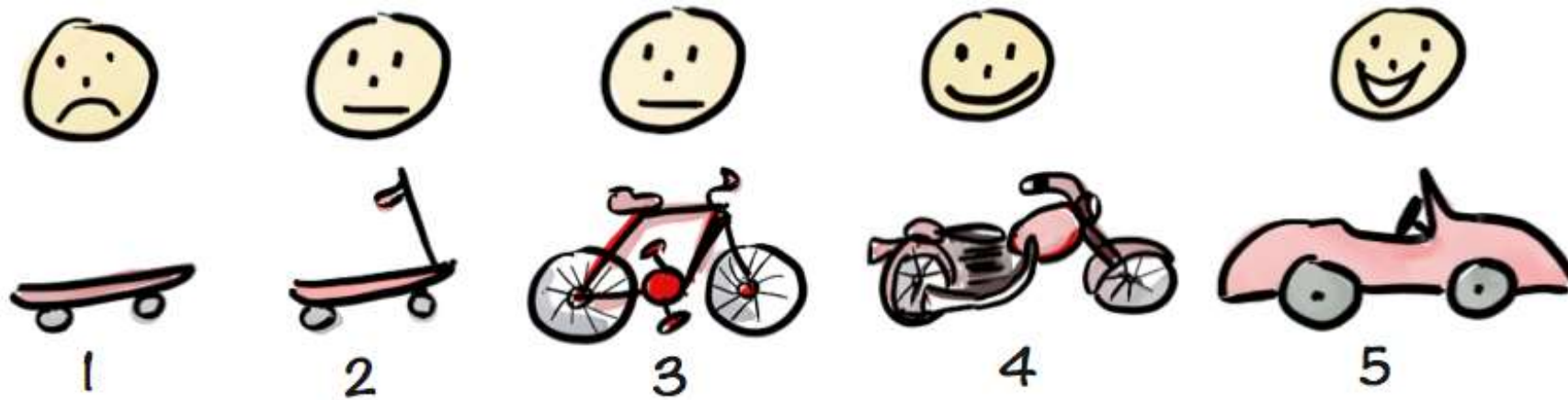
RESPONDING TO CHANGE

OVER FOLLOWING A PLAN

Not like this....



Like this!



by Henrik Kniberg

Popularity of the different Agile methodologies





SCRUM



The Scrum board



Product Owner



Scrum Master



Delivery Team



Product Owner



Product Owner:

- ✓ Set a vision
- ✓ Understands PM and Business needs
- ✓ Create the product backlog
- ✓ Set priorities



Delivery Team



Product Owner



Scrum Master



Scrum master:

- ✓ Ensure scrum practices
- ✓ They remove impediments (Machine time)
- ✓ Work closely to PO
- ✓ Protects the team



Product Owner

Scrum Master

Scrum Team:

- ✓ Performing tasks
- ✓ Are committed together
- ✓ Estimate tasks for the sprint



Delivery Team



Product Owner



Scrum Master



Delivery Team



The Sprint:

- ✓ 2-4 weeks
- ✓ Deliverable
- ✓ Priorities are kept
- ✓ Concentrate on velocity

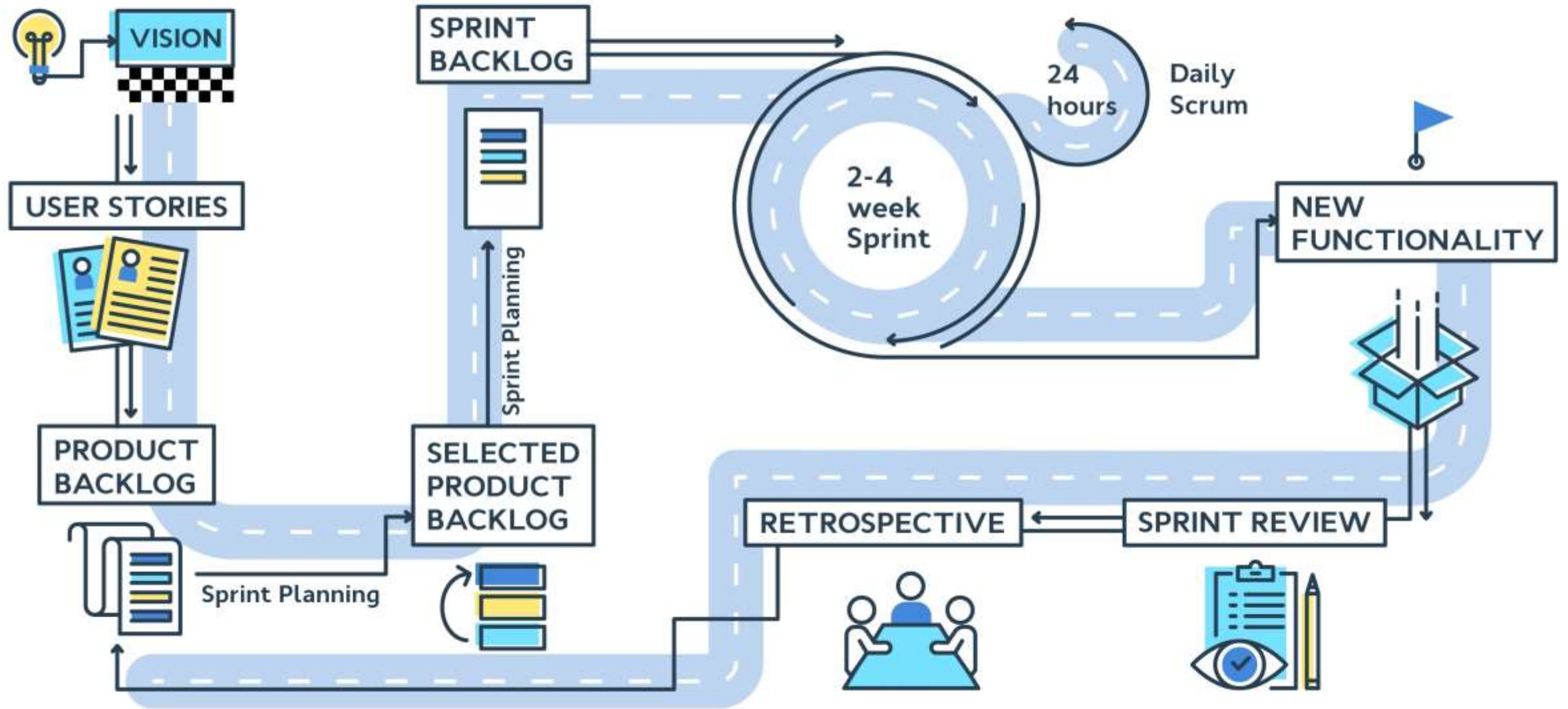


The Scrum Ceremonies:

- ✓ Sprint planning
- ✓ Daily standup meeting
- ✓ Sprint demo/review
- ✓ Retrospective



SCRUM PROCESS



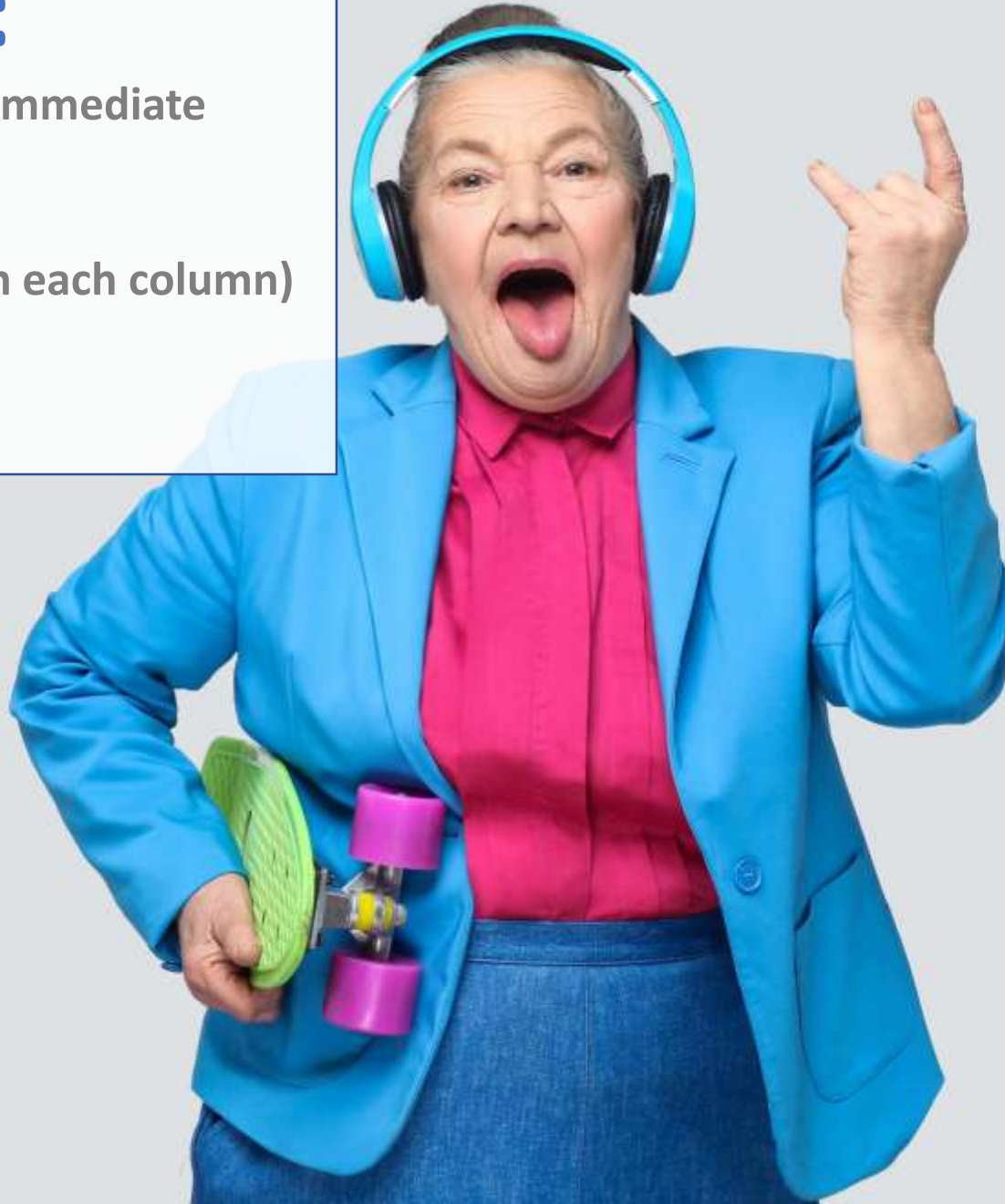
KANBAN





Basic principles:

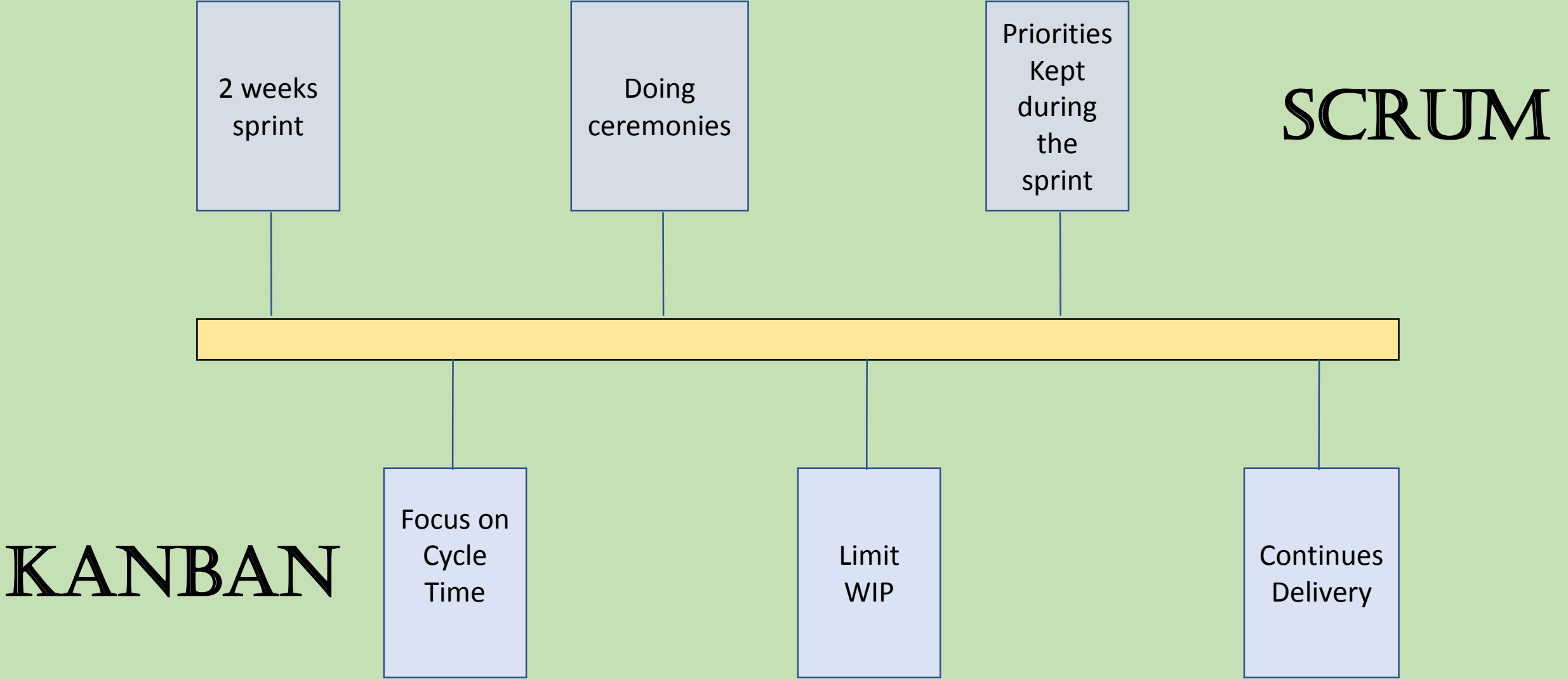
- ✓ Planning flexibility – can make immediate changes
- ✓ Everything should be visible
- ✓ Fewer bottlenecks (limit WIP on each column)
- ✓ Continuous delivery
- ✓ Concentrate on cycle time



**How are we doing it
at Orbotech?**







Sprint Planning - Orbotech

	9	Yossi day off; Yossi Rottenstreich	
08		000	
09			
10		Flex sprint - open session; ISL - PCB - Green <ISL-PCB-Green@orbotech.com>; Omer Talmi	Flex c
		SW Stories review high level; ISL - FPD VC; Omer Talmi	
11		RTC update - Tasks @ Omer Talmi	
12		Lunch	
13		SW Go Over DOD's; ISL - Marketing - SFB; Omer Talmi	
		alignment on sprint planning and DOD; ISL - FPD-SFB {Bldg 2 2 floor West 9}; Omer Talmi	
14		Hanukkah Activity with Kadima kids	

Sprint Summary - Orbotech

	6
	← From 2 next
08	ooo
09	
10	Next sprint tasks and priorities ISL - PCB Mngt VC; Omer Talmi
11	"Dev-QA Feature Delivery" protocol; ISL - VC4; Noga Lipschuetz Quality team - Sprint summary; ISL - Maintenance meeting room {12} {bldg 5 2 floor Center
12	Lunch
13	Initial SSRD review - FLC ISL - PCB Mngt VC Iftach Danciger
14	Sprint Review & retrospective ISL - PCB - Green Omer Talmi

What it actually looks like

Product Backlog - Stori... +	Stretch Goal +	To-do (1-2 days tasks) +	In progress 4 / 8 +	Done +
Support center + 2.12	App side implementation of new configurations (xsd + cpp) 🕒 0h / 12h	REDI 84365 - B7_RIV image missing issue	IJP - Graph flow Research 🕒 0h / 12h TG	EDO - TOKI init isn't working (No RED!) 🕒 0h / 6h
FLC in ET	Machine Builder + Installation	REDI 85998 - GVO D2 QTM VIDEO cannot cover whole glass	Inspection is stuck and cannot be stopped by user: bug 86529 OG	
IJP Circular mura detection	Support FLC operation in ET, support FLC time - Concept 🕒 0h / 6h SA	QLA - VIP	merging AMS leftovers from 2.11.2 stable to main OG	
Multi Glass Thickness	FLC ET (without Alg interface) DR 🕒 0h / 12h SA	Flow Research + Abnormals 🕒 0h / 12h	GVO Check AMOS quality	
Swift3D Taking Master		Meetings of SPII + Diagnostic interfaces 🕒 0h / 6h		
QLA		implementation of SPII interface 🕒 0h / 6h		
Swift3D CATP support		implementation of diagnostic file interface 🕒 0h / 12h		
Video X50 support		SW Tests		
Auto Actuator mapping				
Frit measurements UI support				

**What can make you a
better “Programmer” ?**



Tips for FREE

- ✓ Always look for the bigger picture – See the business
- ✓ Be Accountable from end to end.
- ✓ Always give people more than they expect to get.
- ✓ Listen to others
- ✓ Leave the comfort zone at every opportunity

Last one:

- ✓ Always share your ambitions



Questions?





SAY AGILE

Thanks! (Agile)

ONE MORE TIME