

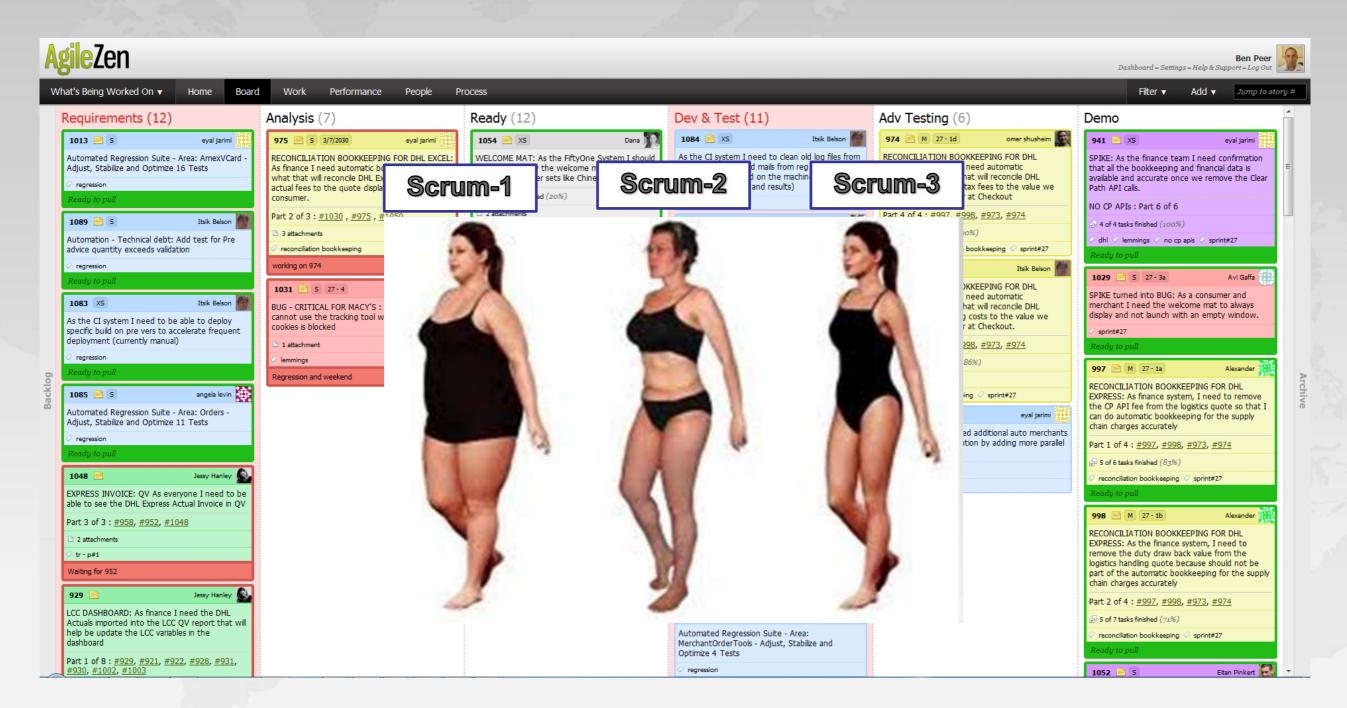
From Scrum level 0 to 3 in one year

FiftyOne's Case Study

Ben Peer



From Scrum level 0 to 3 in one year





ABOUT US

SaaS - Internet ecommerce Distributed Teams (TA/NY)





WHY CHANGE?



WHY CHANGE?

Quarterly releases were <u>too slow</u> for us





WHY CHANGE?

Reaction to requirement changes were too difficult





WHY CHANGE?

Heard of <u>better ways</u> to develop software!



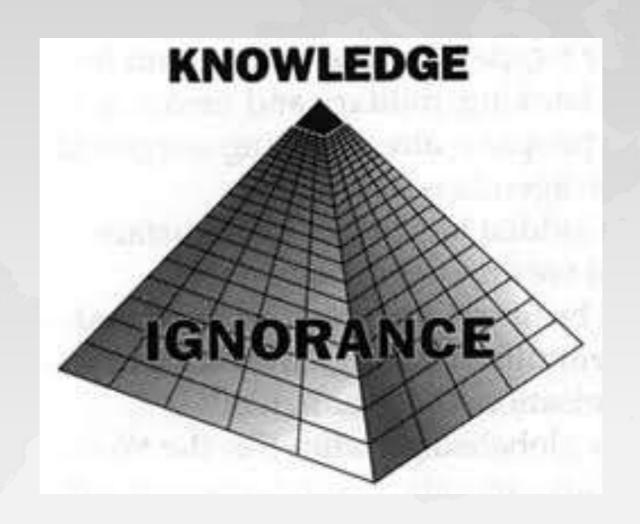


BEFORE AGILE...

Scrum Level 0



No Agile knowledge





Quarterly releases with 2 weeks of regression testing (2/12)





Build every few days by QA









Had 3 Teams: Infra, UI and QA









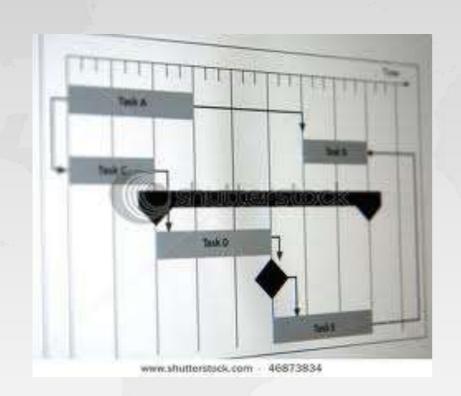
Automatic Testing – coded by QA and weeks after the feature was coded

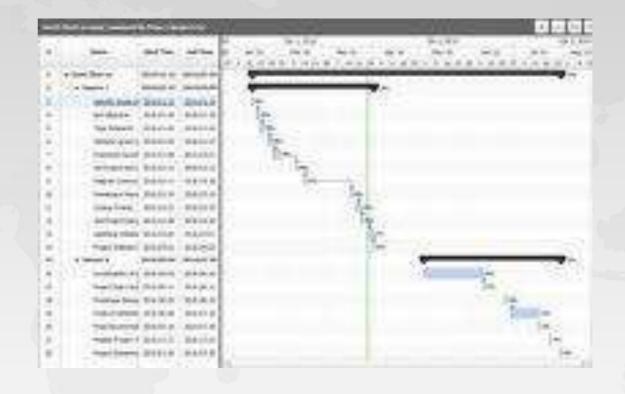






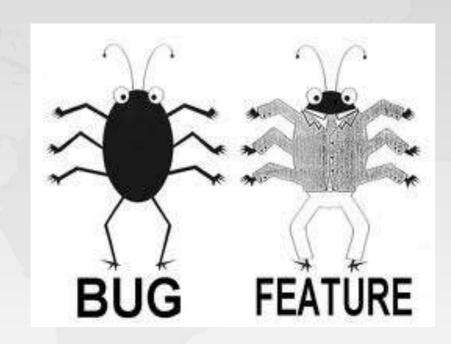
Heavy weight work Gantts

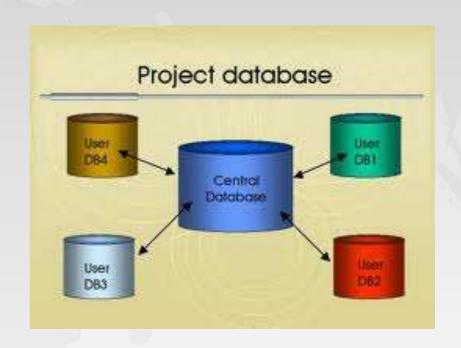






Bugs Database with hundreds of defects









Mindset - Scrum workshop







Reorganization - New Multi-Functional Team Formation











Sprint length - 2 weeks With 2/10 days for regression







New Ceremonies - Dailies





New Ceremonies - Planning



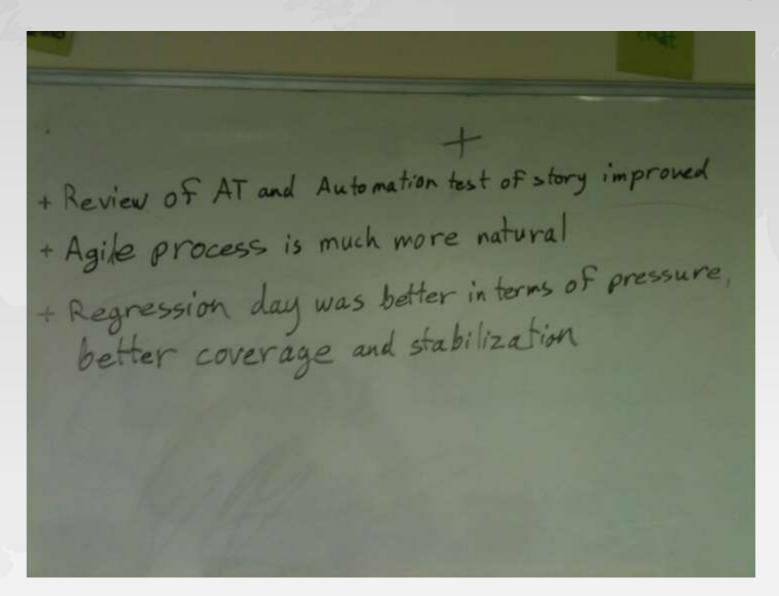


New Ceremonies - Sprint Review



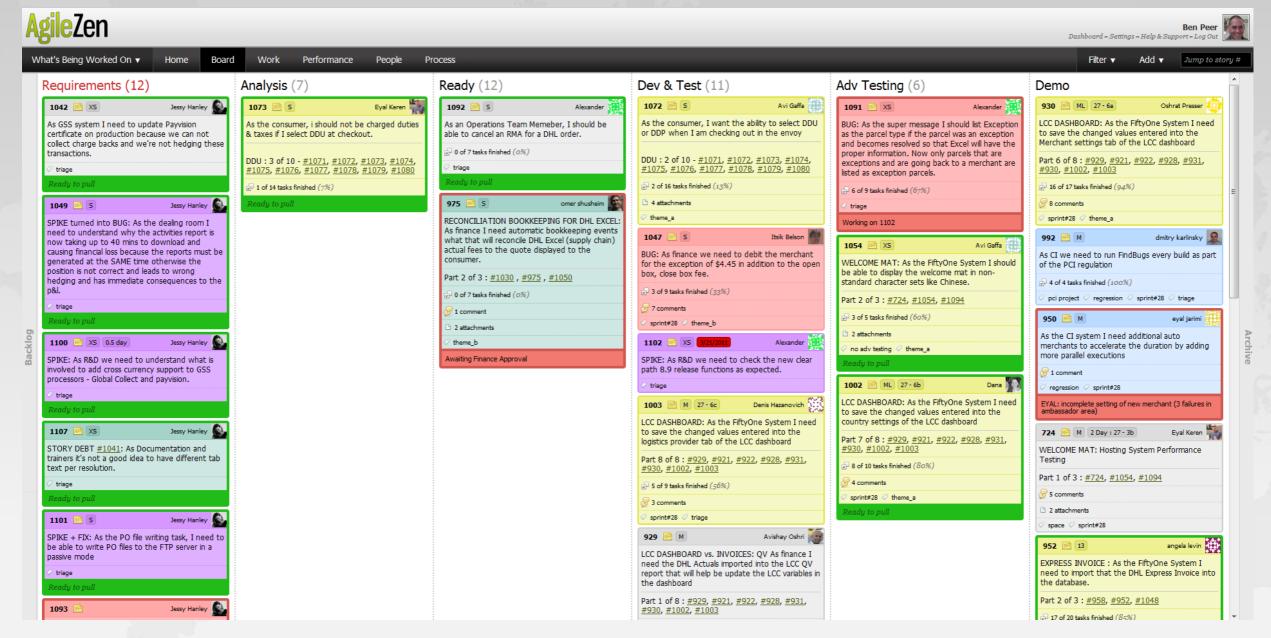


New Ceremonies - Retrospective



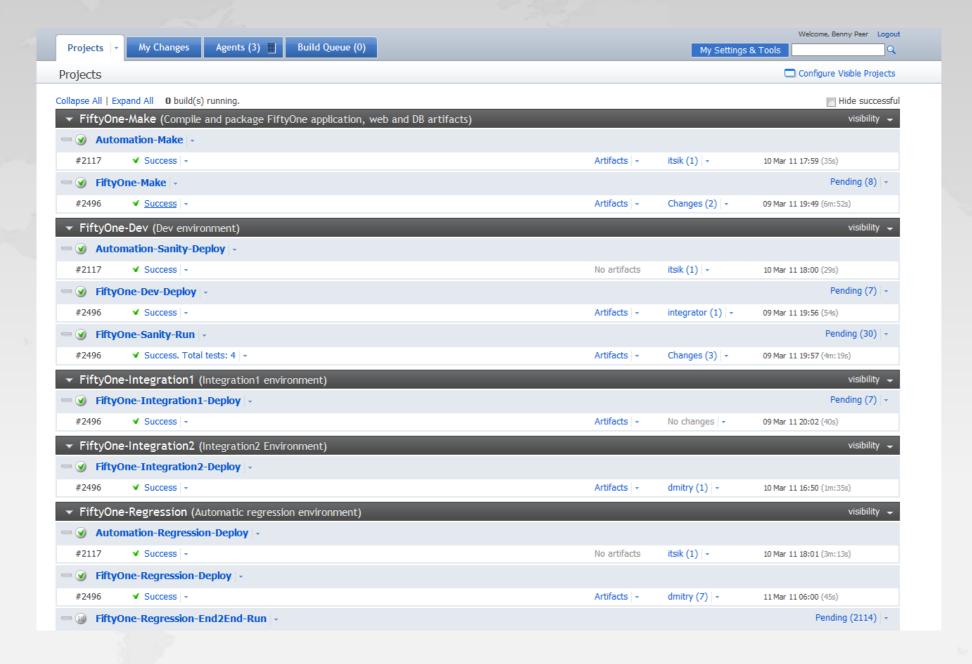


KANBAN Board





Continuous Integration





Multiple Integration Testing Environments

INTEGRATION 1

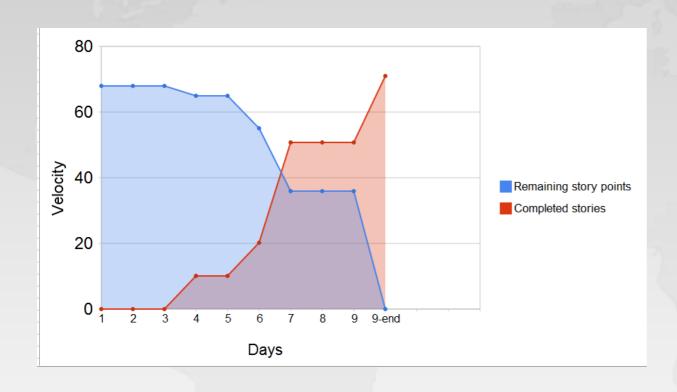
INTEGRATION 2

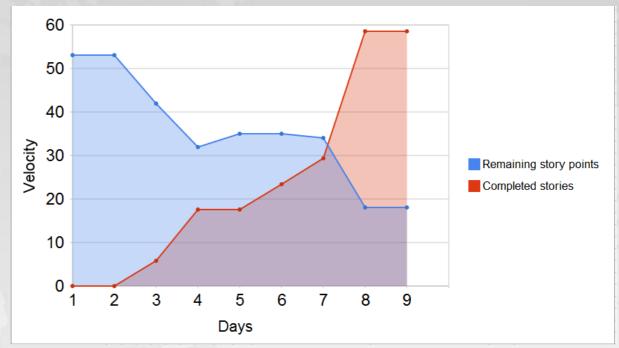
Regression (Slow Build)

Sanity (Fast Build)



Burn Down & Up Charts







OK, time to JUMP...





Sprints 1 – 10 Scrum Level 1

(Feb 2010 – June 2010)



10/10 in Production on Time!









Sprint Commitment - a killer



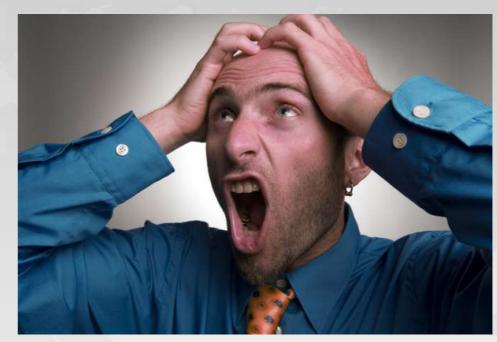






Test Automation -> Nightmare



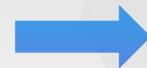






Planning & Estimation > Painful & Wasteful







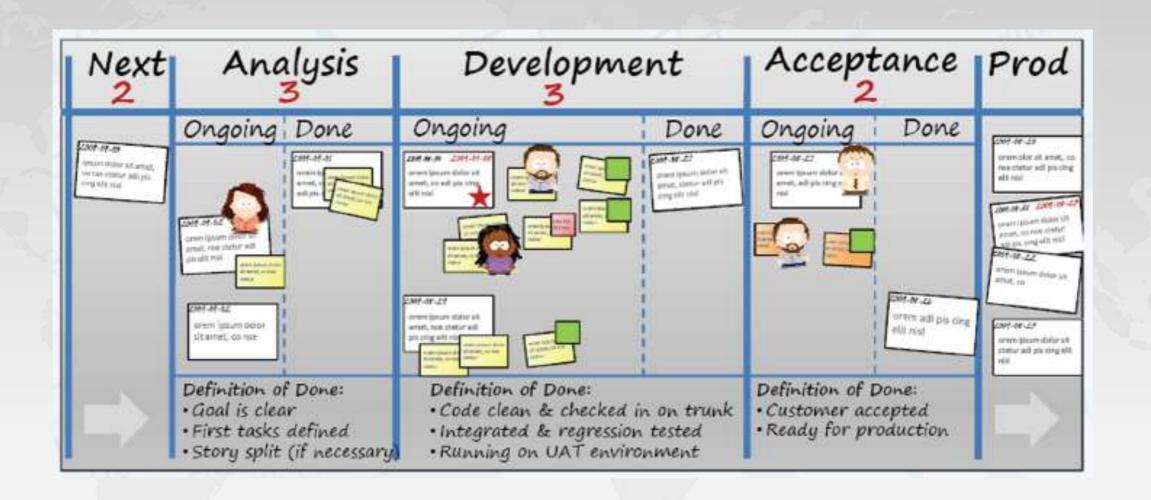




GETTING READY#2 To Scrum Level 2



Mindset – Kanban workshop





WIP Limits

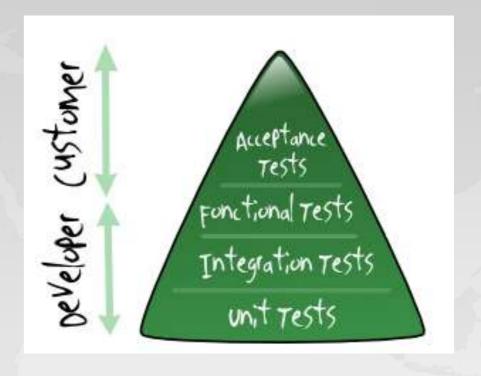




GETTING READY #2

ATDD new tool



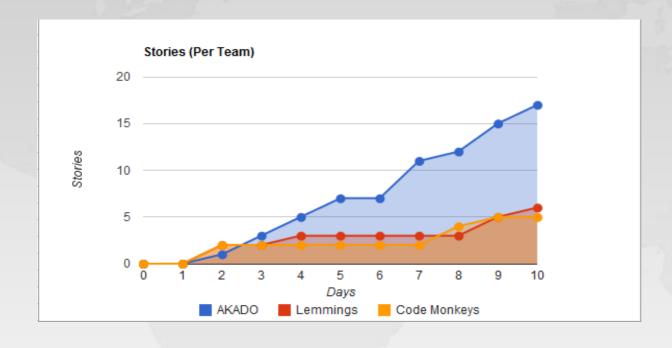


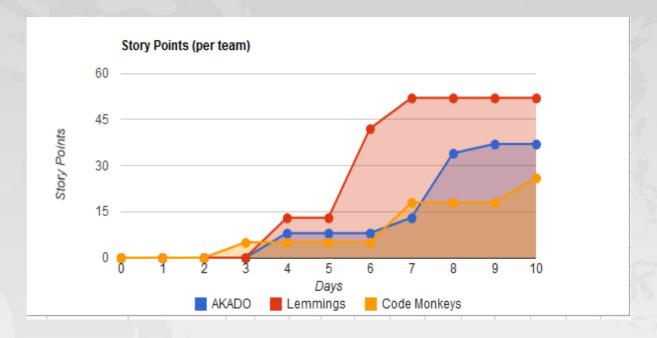




GETTING READY

Only Burn Up Charts







GETTING READY #2

Code Freeze EOD 9/10







OK, time to JUMP again!



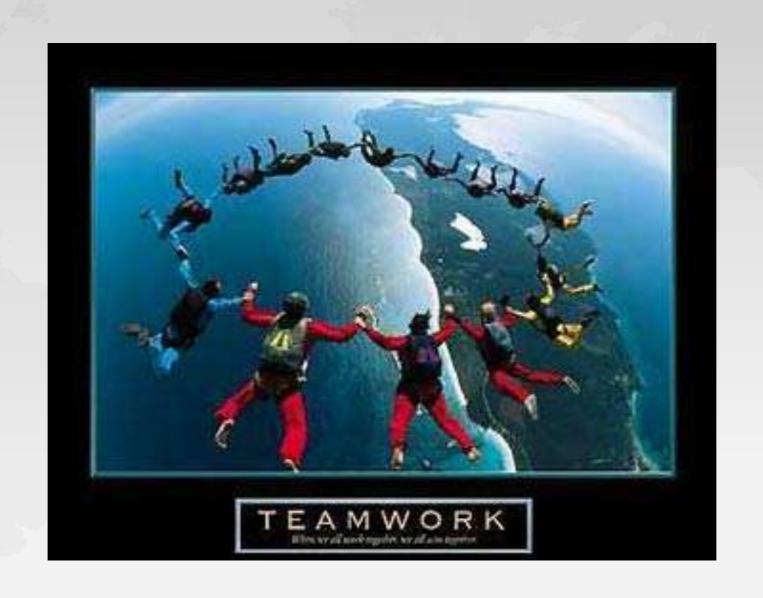


Sprints 11 – 20 From Scrum Level 1 2

(July 2010 - Nov 2010)



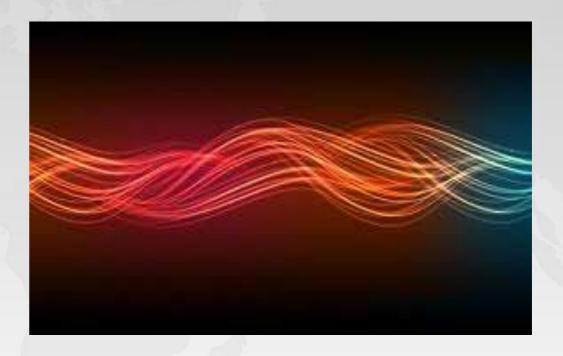
20/20 in Production on Time!





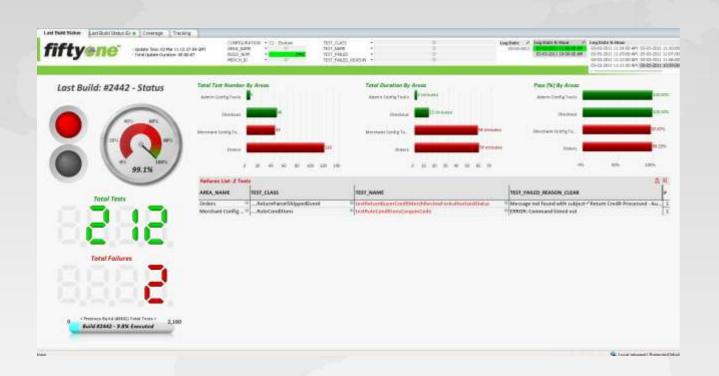
No Sprint Commitment!







Test Automation Regression Suite Better







Story Estimation → t-shirt by product







Regression day 9/10
mostly invested in automation







GETTING READY #3?

GETTING READY #3 ??

JUMP #3 ??

NO NEED!

CONTINUOUS IMPROVMENT

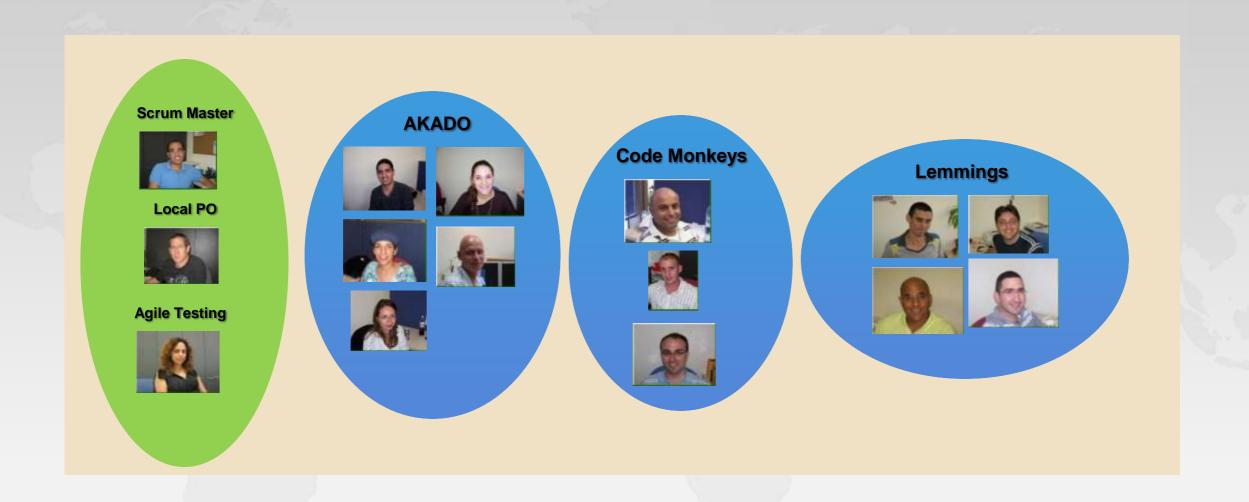


Sprints 21 - 30 From Scrum Level 2 3

(Dec 2010 – Apr 2011)

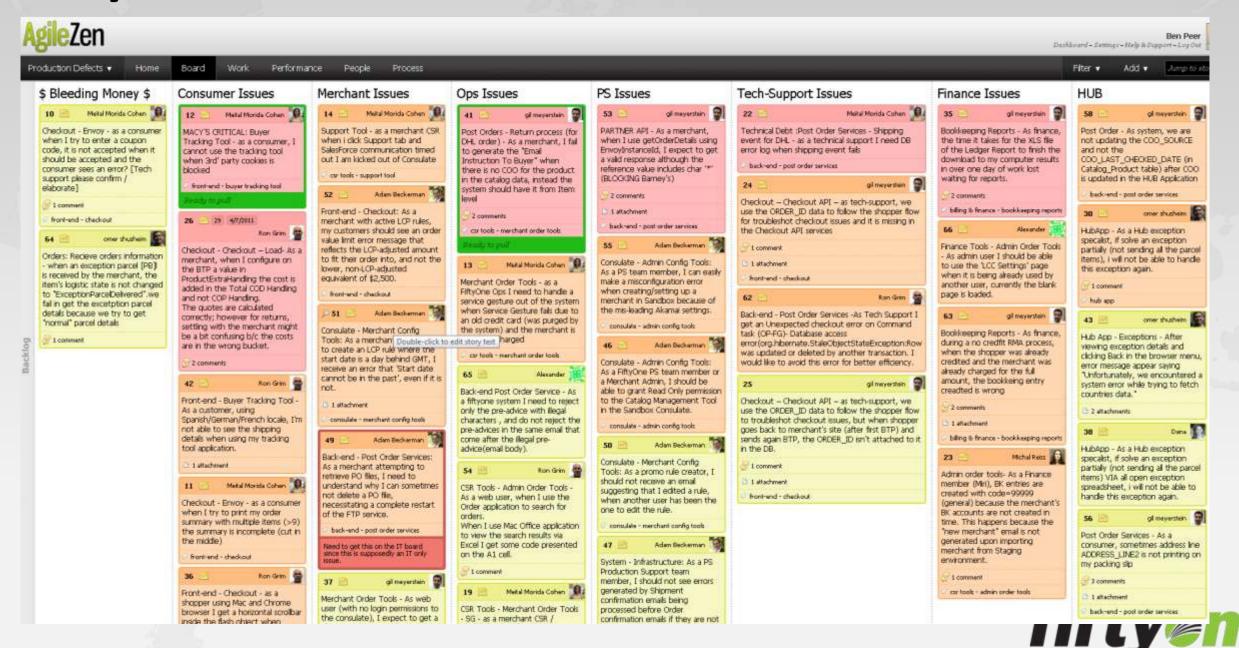


Smaller Scrum Teams





Bye BUG DB, Hello Defects Board



Test Automation - Victory!

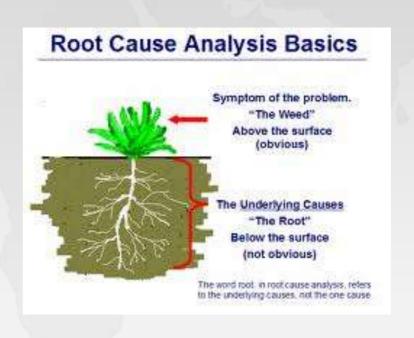






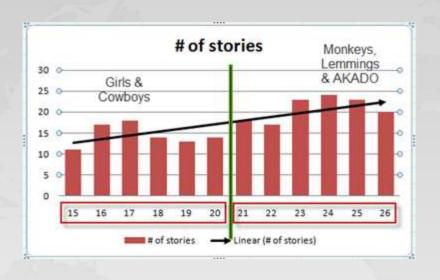
Root Cause Analysis – every production escaped defect

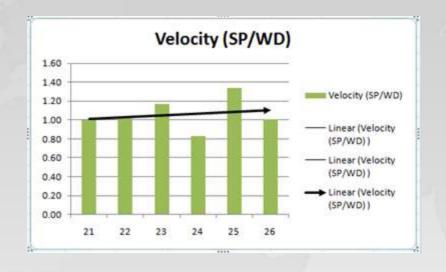


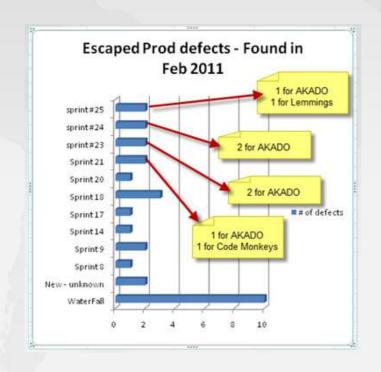


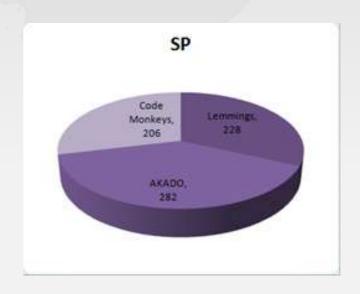


Operations Review













SPEED – Prod Release Every 2 Weeks





FLEXIBILITY – very easy to react to requirement changes







VISIBILITY - Major Improvement in Project Management







Continuous Improvement Infrastructure!







QUALITY- remained the same









Senior Management Support – Both Business & R&D







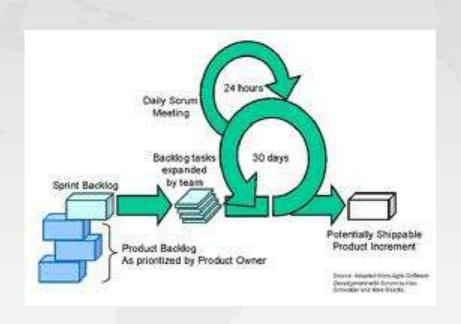
Help from Experts
Guidelines & Support from our
Coach

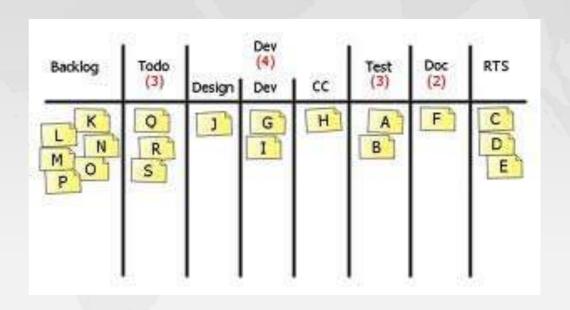






Scrum and Kanban – Simple methods that make sense







Agile Engineering Practices & Tools





Invested heavily in Automation







Q&A

Q&A

