

We'll start rocking together ~1:15pm.

scruminc.

the way teams work

www.ScrumInc.com



Joe Justice
Justice@ScrumInc.com

#Agile #Scrum
@WIKISPEED

MY NEXT CAR GETS 100 MPG. U.S. EPA

WIKISPEED

158 IMPERIAL. 2.5 l / 100KM. DE (est)



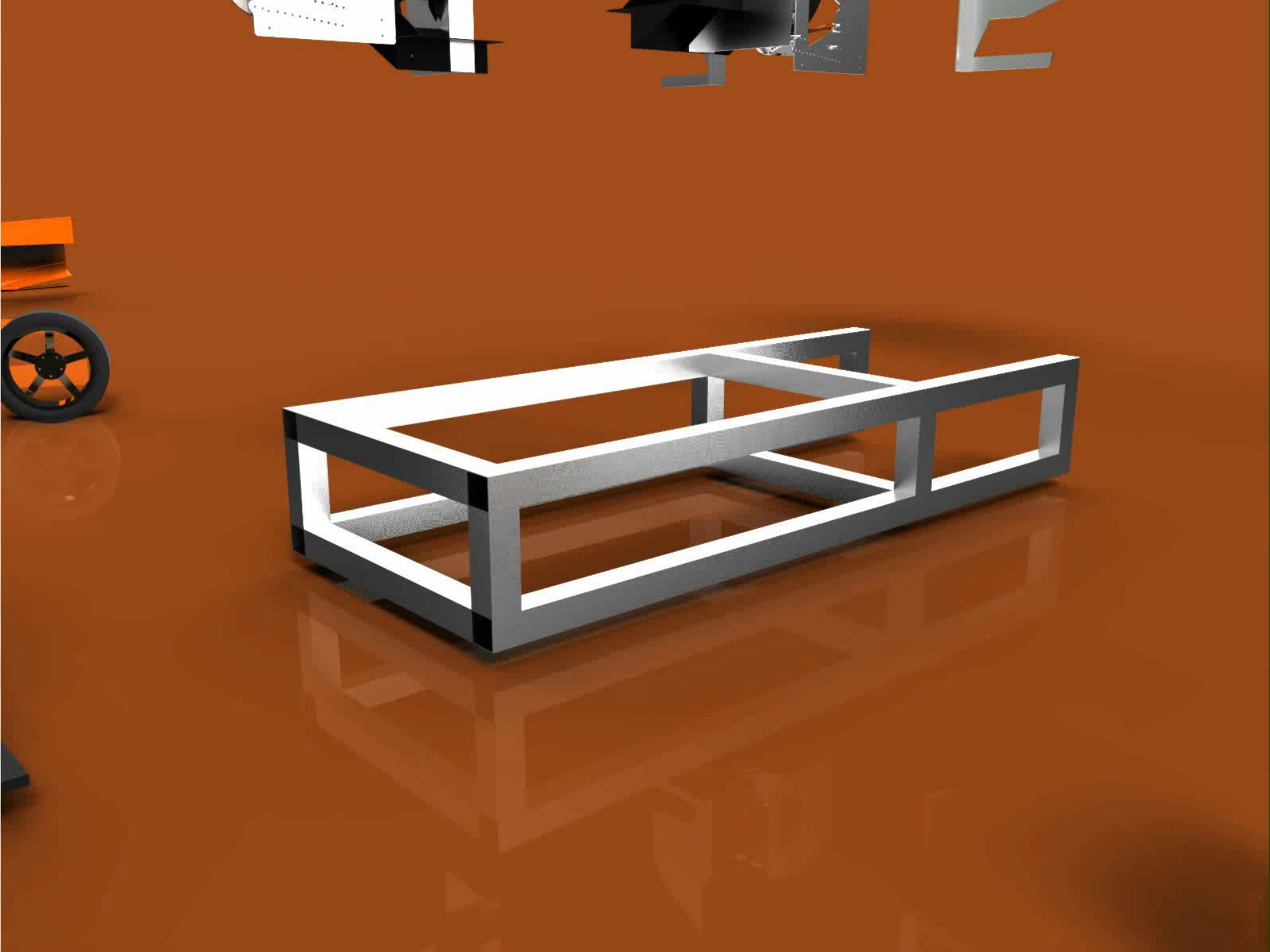
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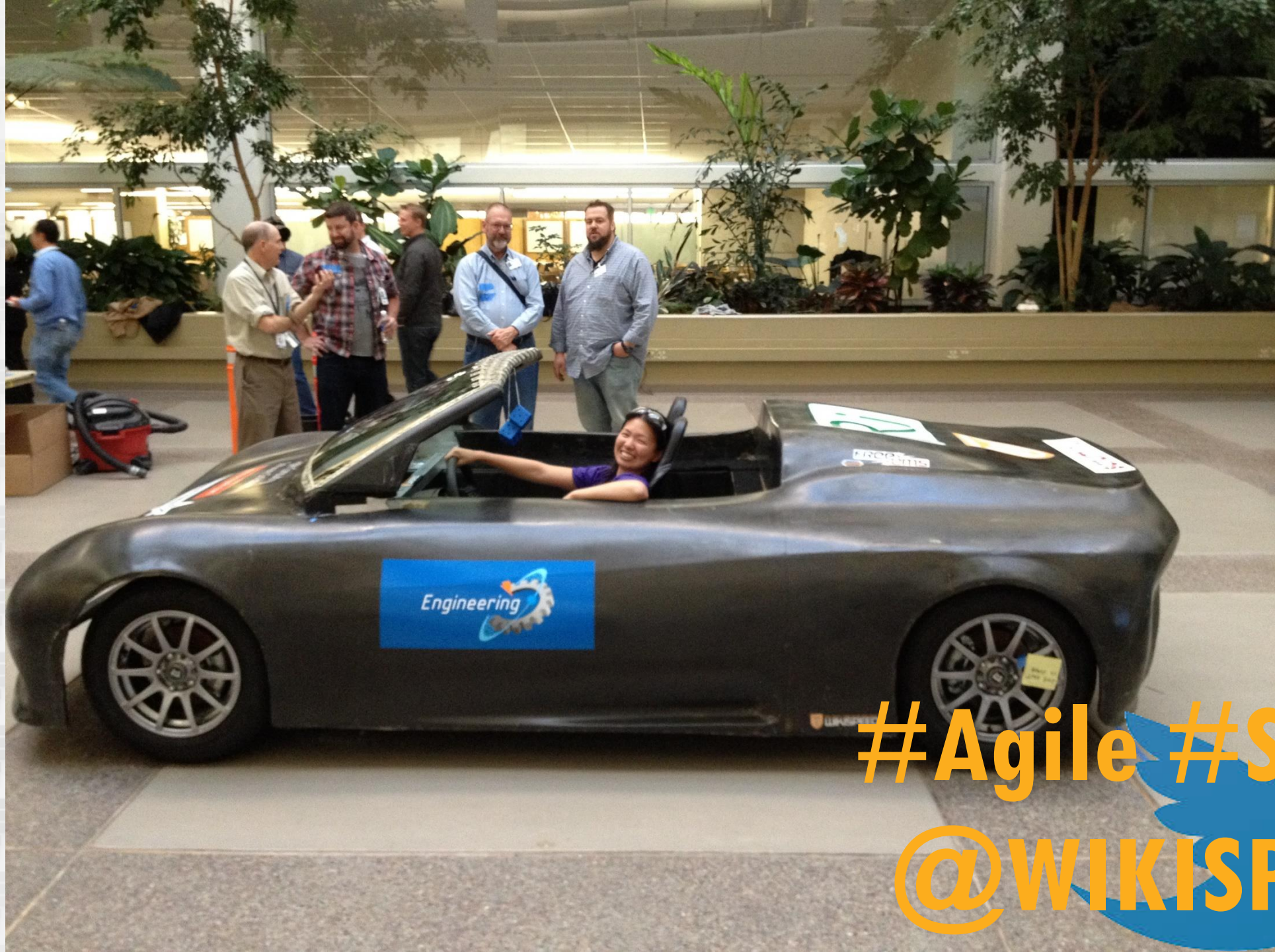
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what color will yours be?



WE USE: AGILE, LEAN, KANBAN, XP, AND XM.





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"**Extreme manufacturing** takes the best practices for distributed team management, frugal engineering and frugal design and applies back to the **physical world**."

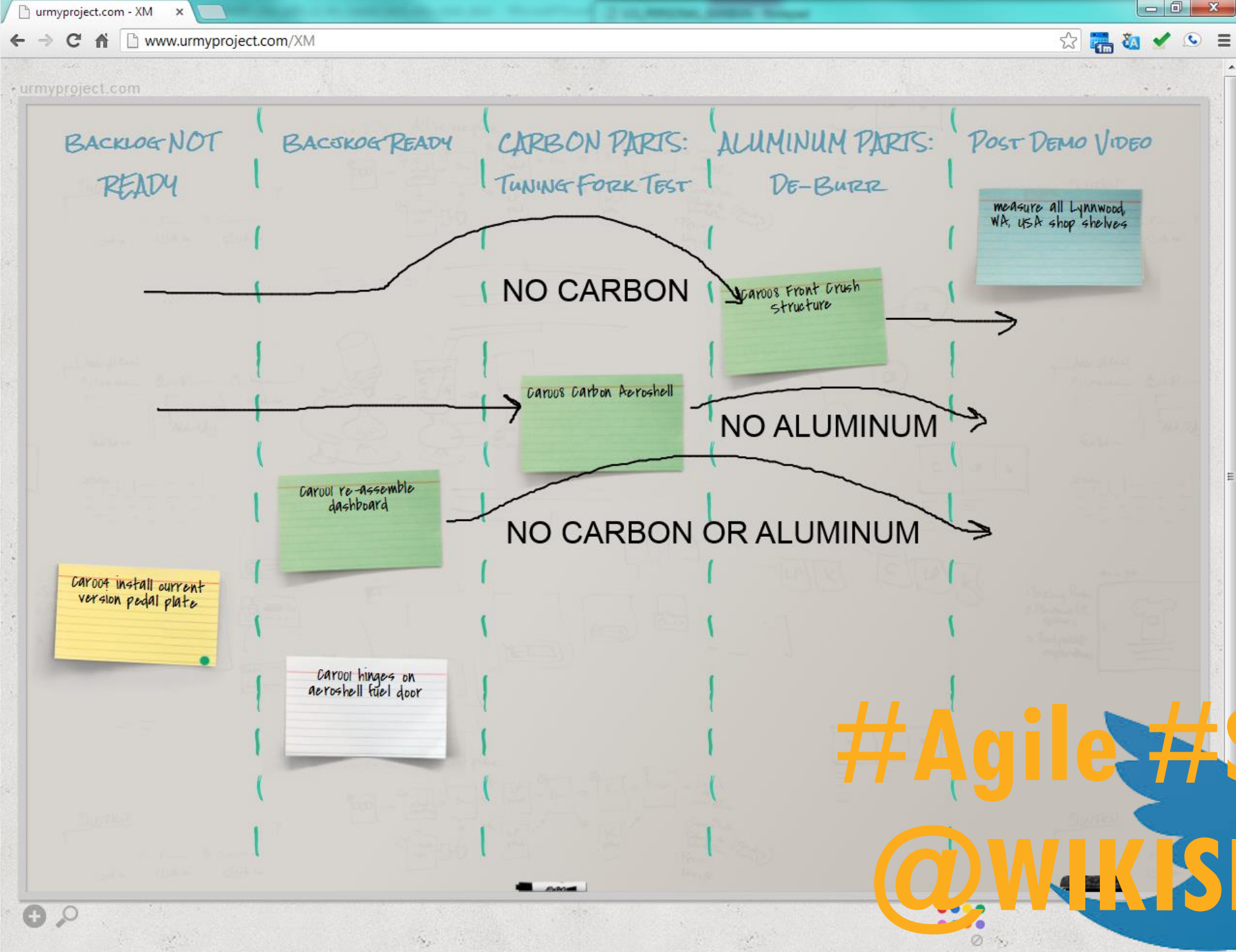
This process could be our greatest common good for the future"

Joe Justice - Team Wikispeed
Software Architect and Manufacturing Innovator

Creating a new process

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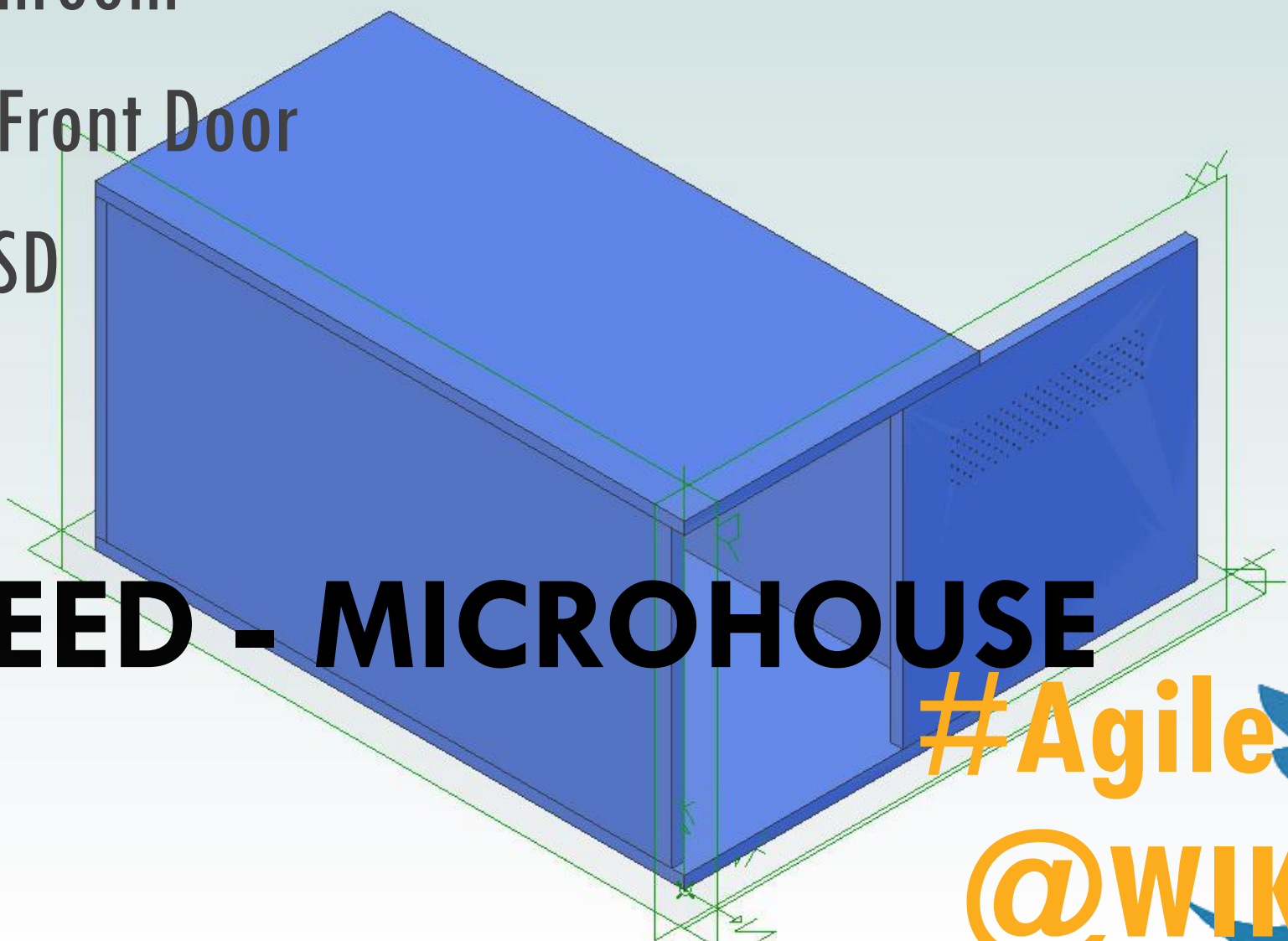
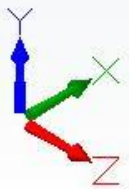


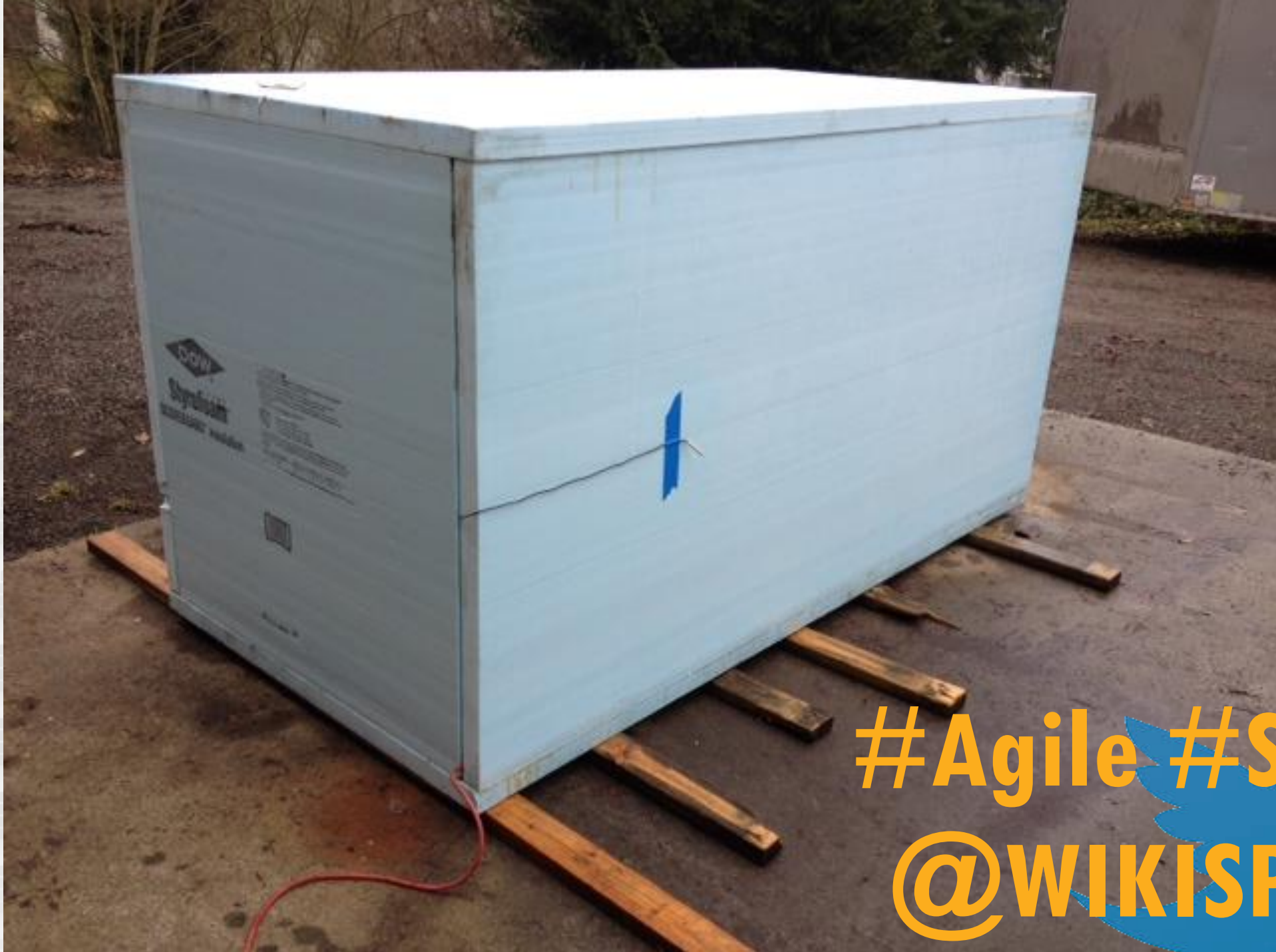
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- 1) Clean Bedroom
- 2) Clean Bathroom
- 3) Lockable Front Door
- 4) <\$100 USD

WIKISPEED - MICROHOUSE

#Agile #Scrum
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the way teams work

ITERATE YOUR SCRUM TO IMPROVE IT



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For more information on Agile, Lean, Scrum, XM:

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the way teams work

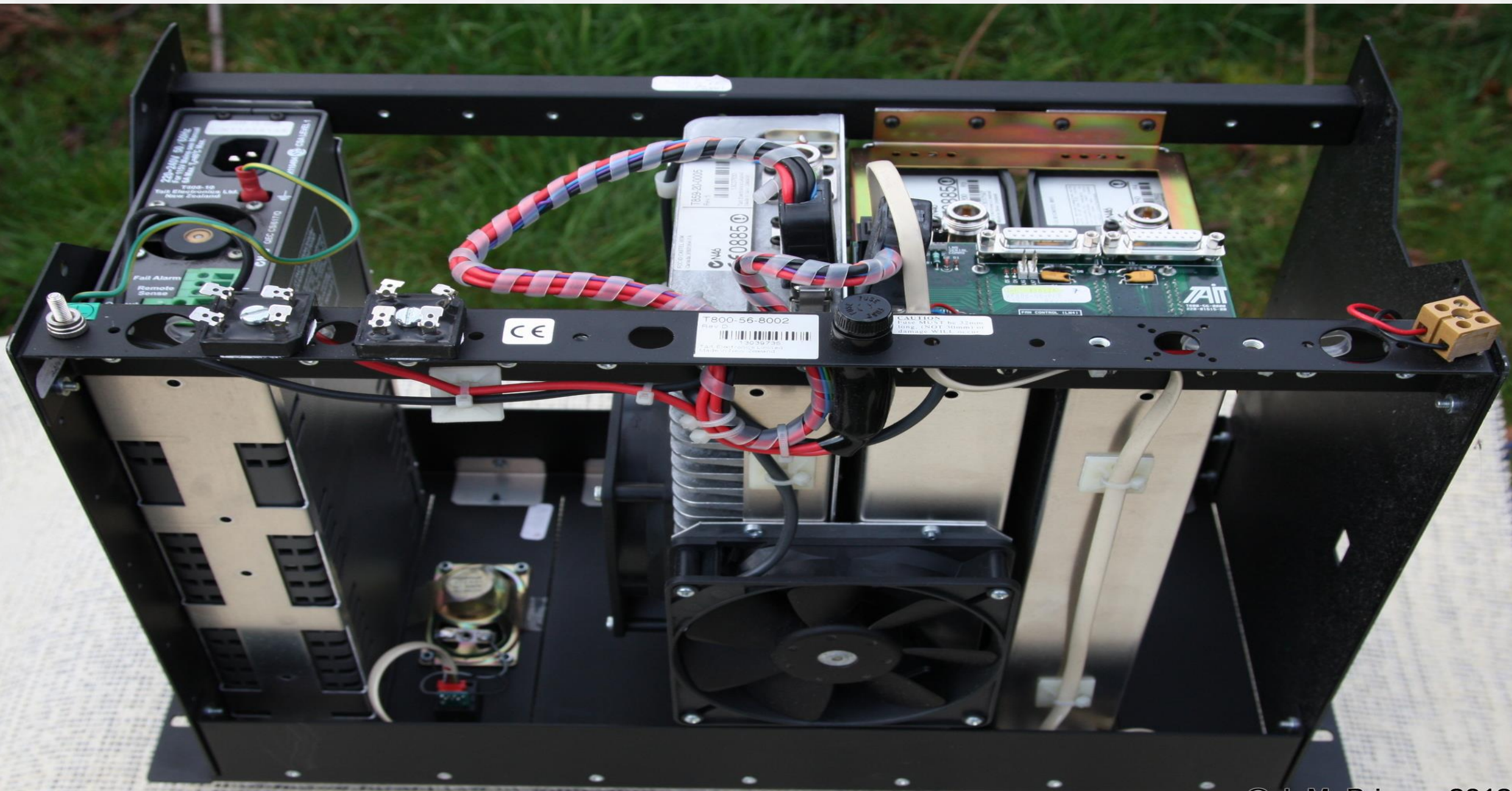
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AGILE IN HARDWARE

An Example:



TAIT RADIO:
CHRISTCHURCH, NEW ZEALAND





SCRUM TEAM

XM: SCRUM IN HARDWARE DESIGN

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SCRUM TEAM



XM: SCRUM IN MASS MANUFACTURING

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**XM: REQUIRES XP TO BE SAFE
AT HIGH SPEED**



TDD

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WHOLE COMPANY AGILITY: RETROSPECTIVE

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**METHOD
COMPANY**

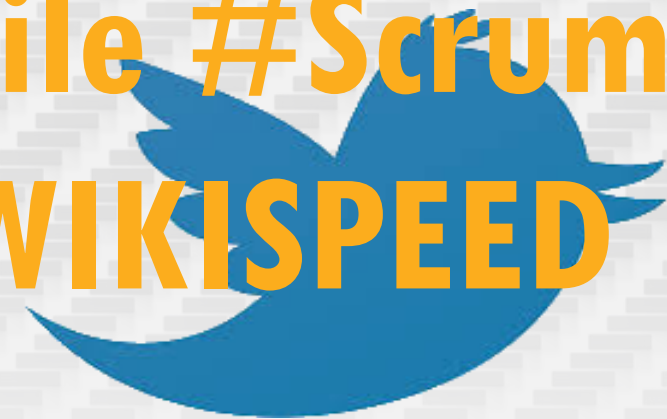
Let's do awesome together
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EXTREME MANUFACTURING (XM)

- Scrum Design Teams
- Scrum Manufacturing Teams
- Object Oriented Architecture
- From idea to customer < 7days.

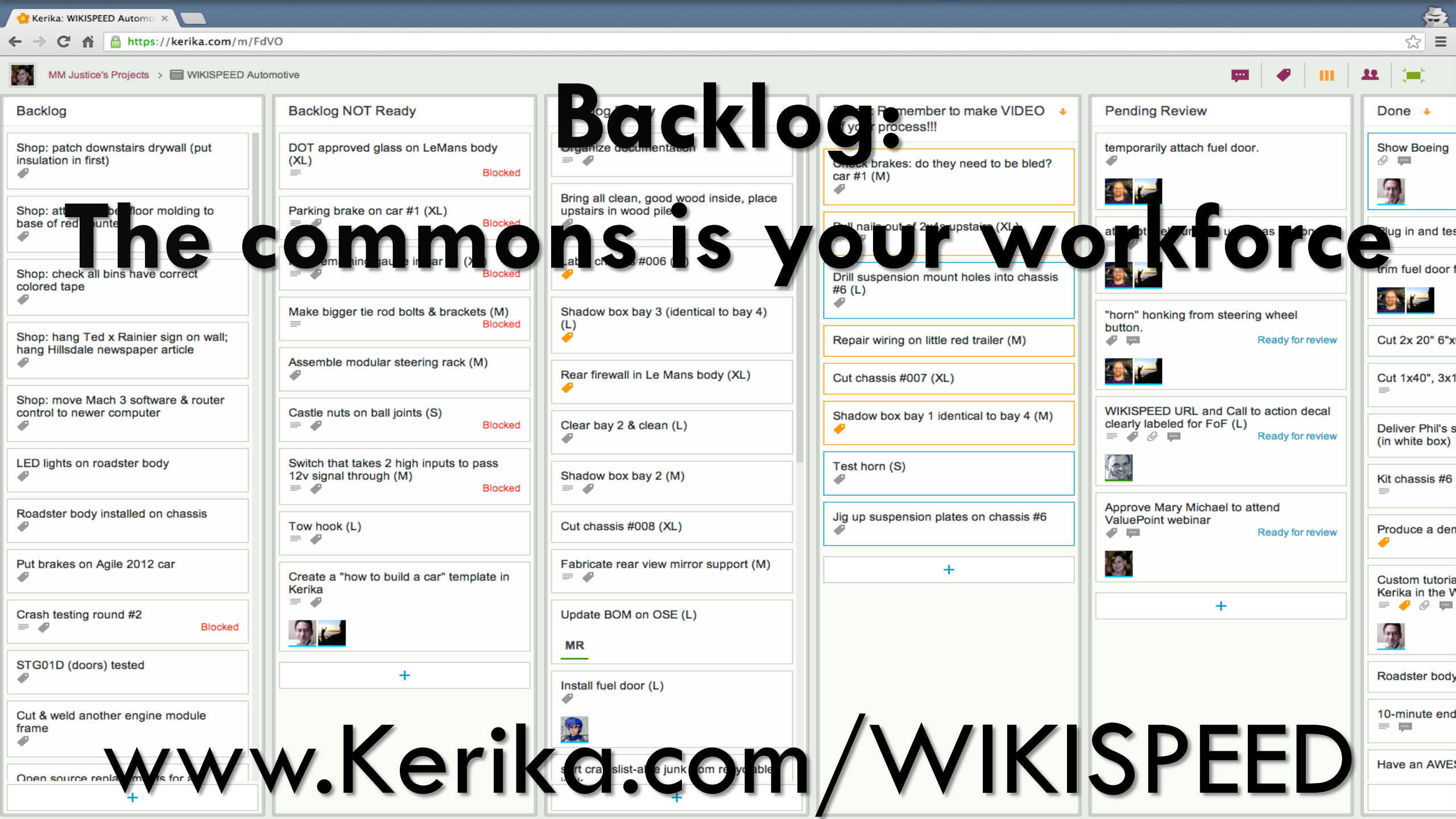
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AGILE INNOVATION

The company is now never
behind the competition for more
than 7 days.



Backlog:

The commons is your workforce

www.Kerika.com/WIKISPEED

500 TEAM MEMBERS IN 20 COUNTRIES



Brazil, Canada, Canary Islands, China, France, Germany, Hungary, India, Indonesia, Ireland, Italy, New Zealand, Philippines, South Africa, Spain, Switzerland, Turkey, United Kingdom, United States, Vietnam.

A first-person perspective from the driver's seat of a car. The dashboard and a pair of sunglasses are visible in the foreground. In the middle ground, a white go-kart with two people inside is driving away on a paved road. The background shows a suburban street with green lawns, trees, and houses. Two red octagonal stop signs are visible on the left and right sides of the road.

**DEMO VIDEOS:
YOUR CUSTOMERS ARE YOUR BANK**

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BUILT IN 3 MONTHS

2010



2011

BITCOIN

MAGAZINE

KEEP THE AWESOME UP!

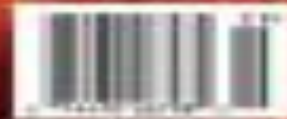
JOE JUSTICE, BITCOIN
AND WIKISPEED

**NEUROSCIENCE
MEETS
CRYPTOGRAPHY**

**THE INTERNET
ANARCHY
& CONTROL**

**FIVE ESSENTIAL
PRIVACY TOOLS
FOR THE NEXT
CRYPTOWAR**

**BITCOIN AND THE
DEFLATION
MONSTER**



ISSUE 8 SEPTEMBER 2012

CYPHERPUNK SOCIETY ECONOMY CRYPTOGRAPHY

#Agile
@WIKISPEED

Product Owner



Team Members



Scrum Master



SCRUM: ROLES AND RESPONSIBILITIES

#Agile #Scrum

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XP: PAIRING AND SWARMING

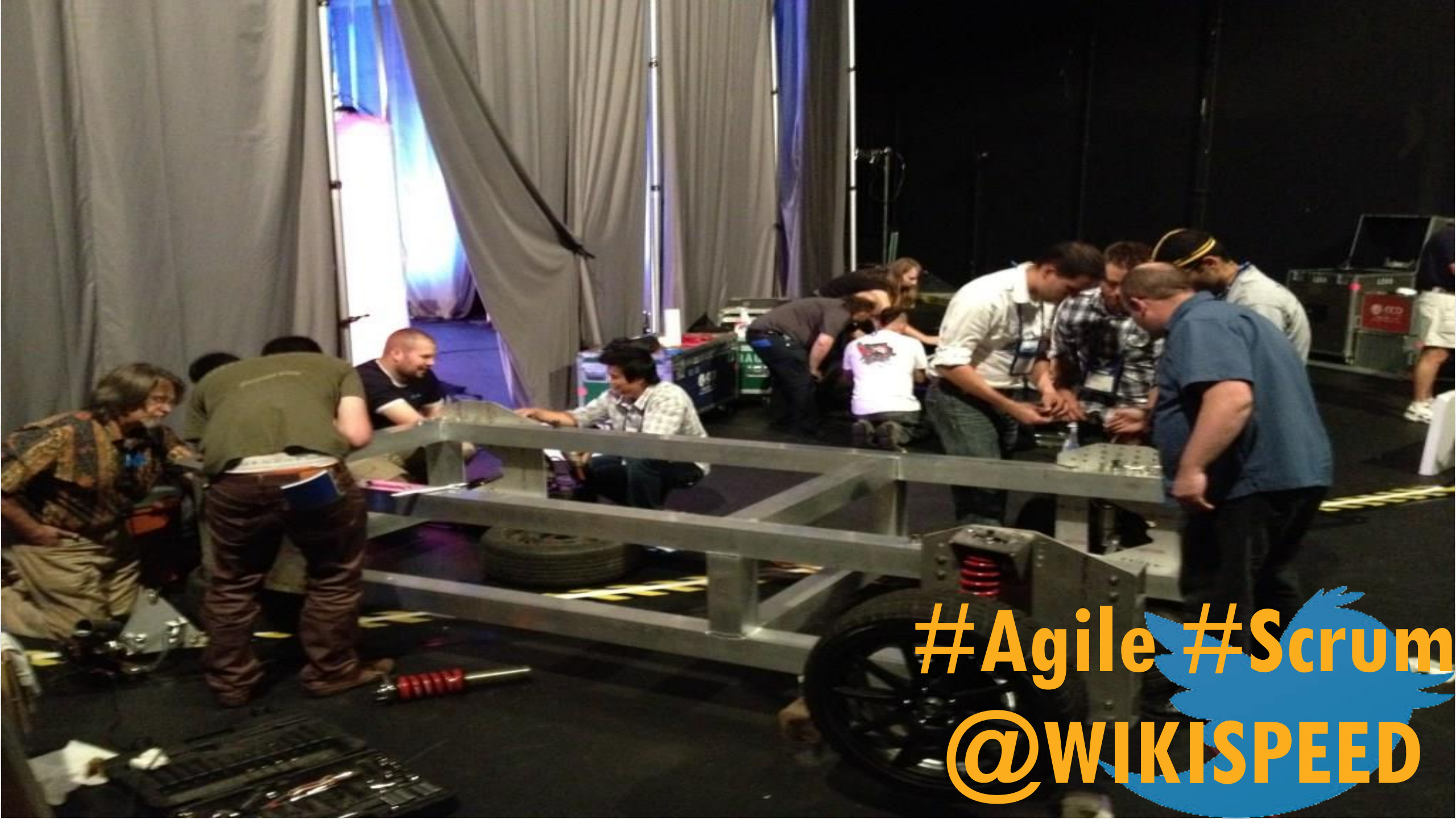
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2012



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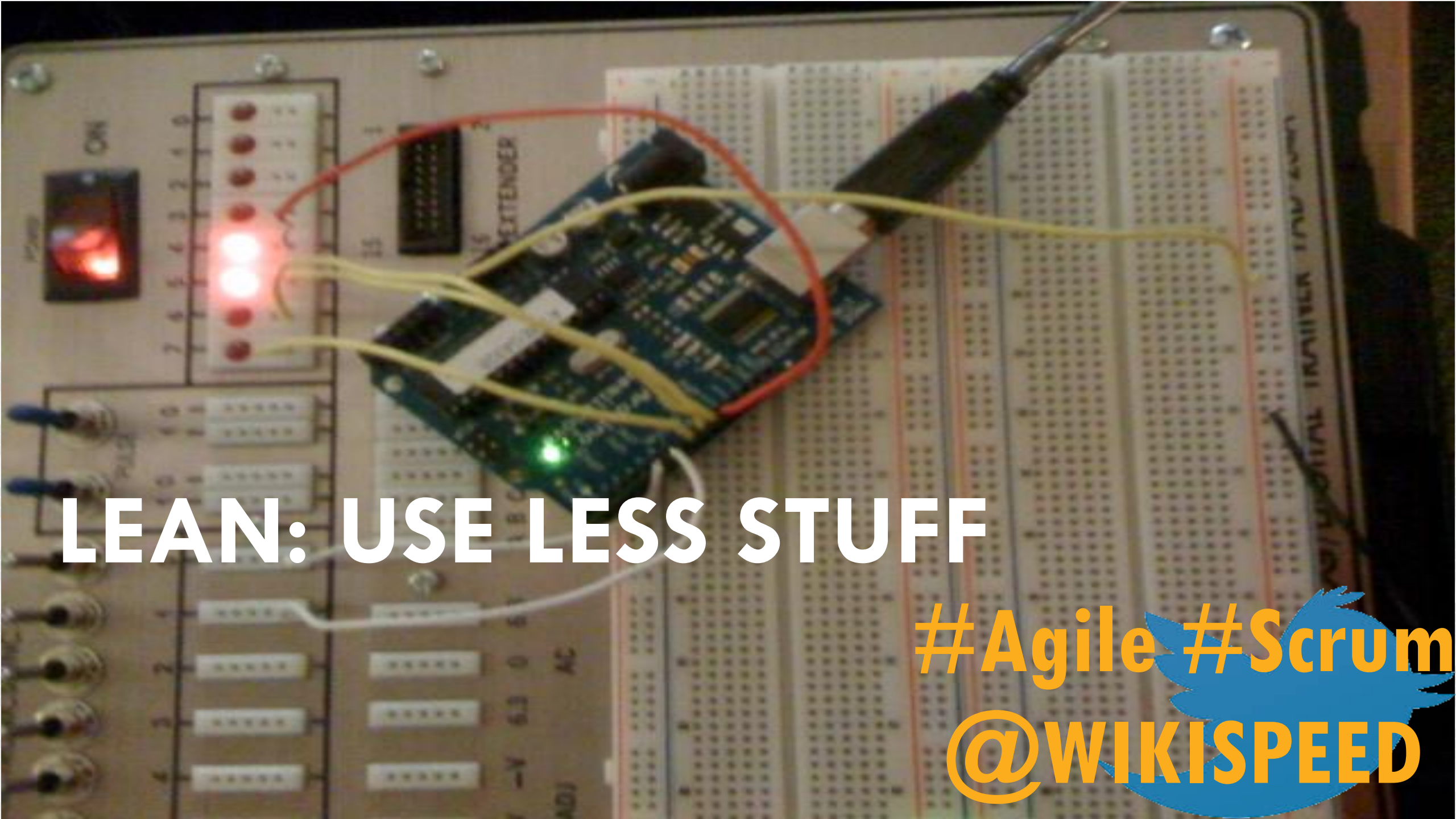


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SHARING WHAT WE ARE LEARNING == MARKETING



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LEAN: USE LESS STUFF

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EXTREME MANUFACTURING
BLACK BELT CLASS

2 days. Seattle, WA, USA. August 21st and 22nd. \$1,650 per attendee, max 42 ppl.

<https://www.scruminc.com/courses>

EXTEME MANUFACTURING BLACK BELT CLASS

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IS IT REPEATABLE?

CAN IT BE TAUGHT?

**JOHN DEERE:
MOLINE, IL, USA**

16MO, 7.2X VELOCITY

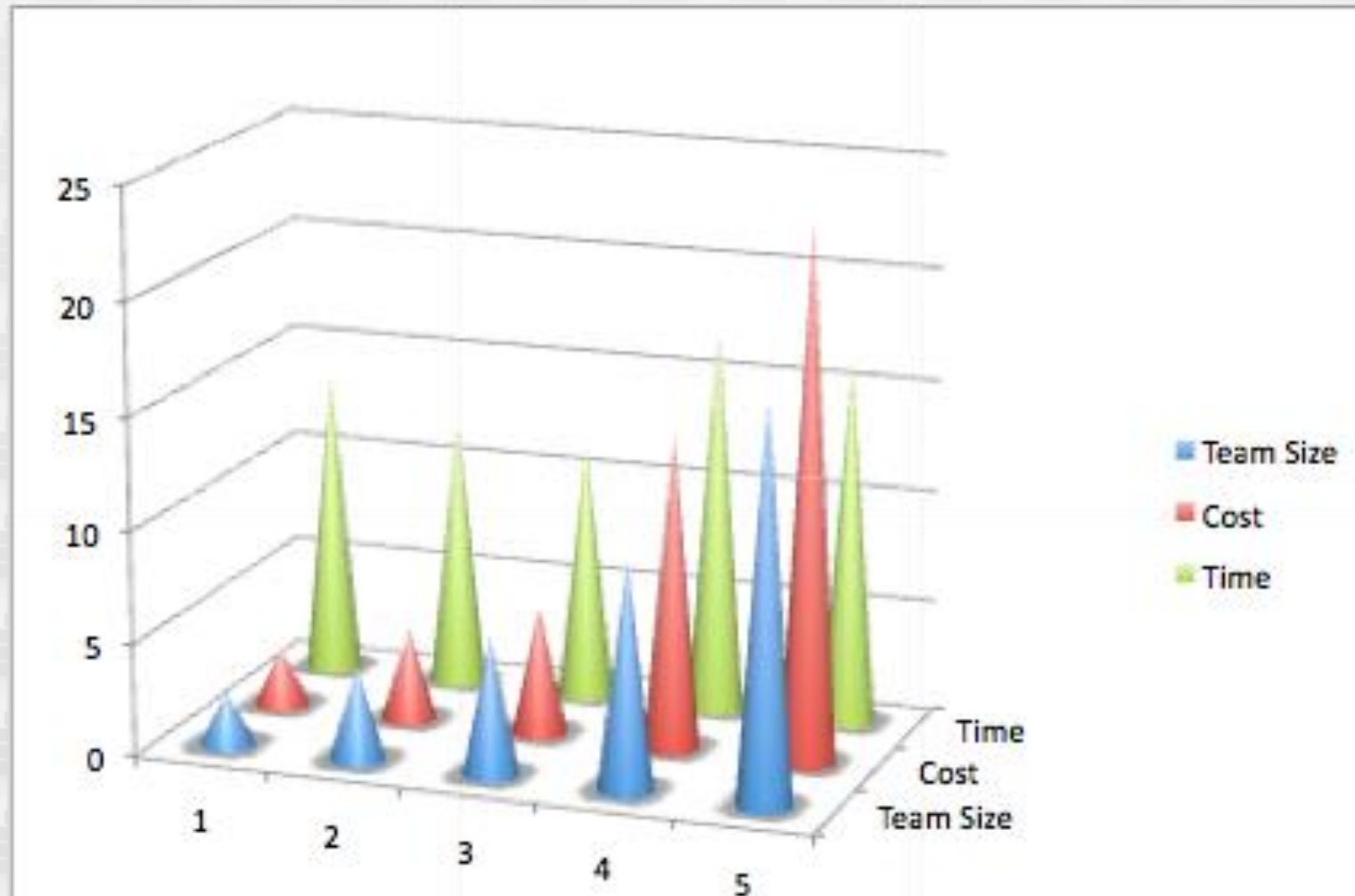




**JOHN DEERE:
PUNE, INDIA
13MO, 5.6X VELOCITY**

Brooks Law:

Adding People to a Late Project Makes It Later



- Optimal team size is 4.6 people according to Harvard research.

Source: http://www.qsm.com/process_01.html (491 projects)

JOHN DEERE KAISERSLAUTERN, GERMANY



2MO, 2X VELOCITY

JOHN DEERE INDAIATUBA, BRAZIL

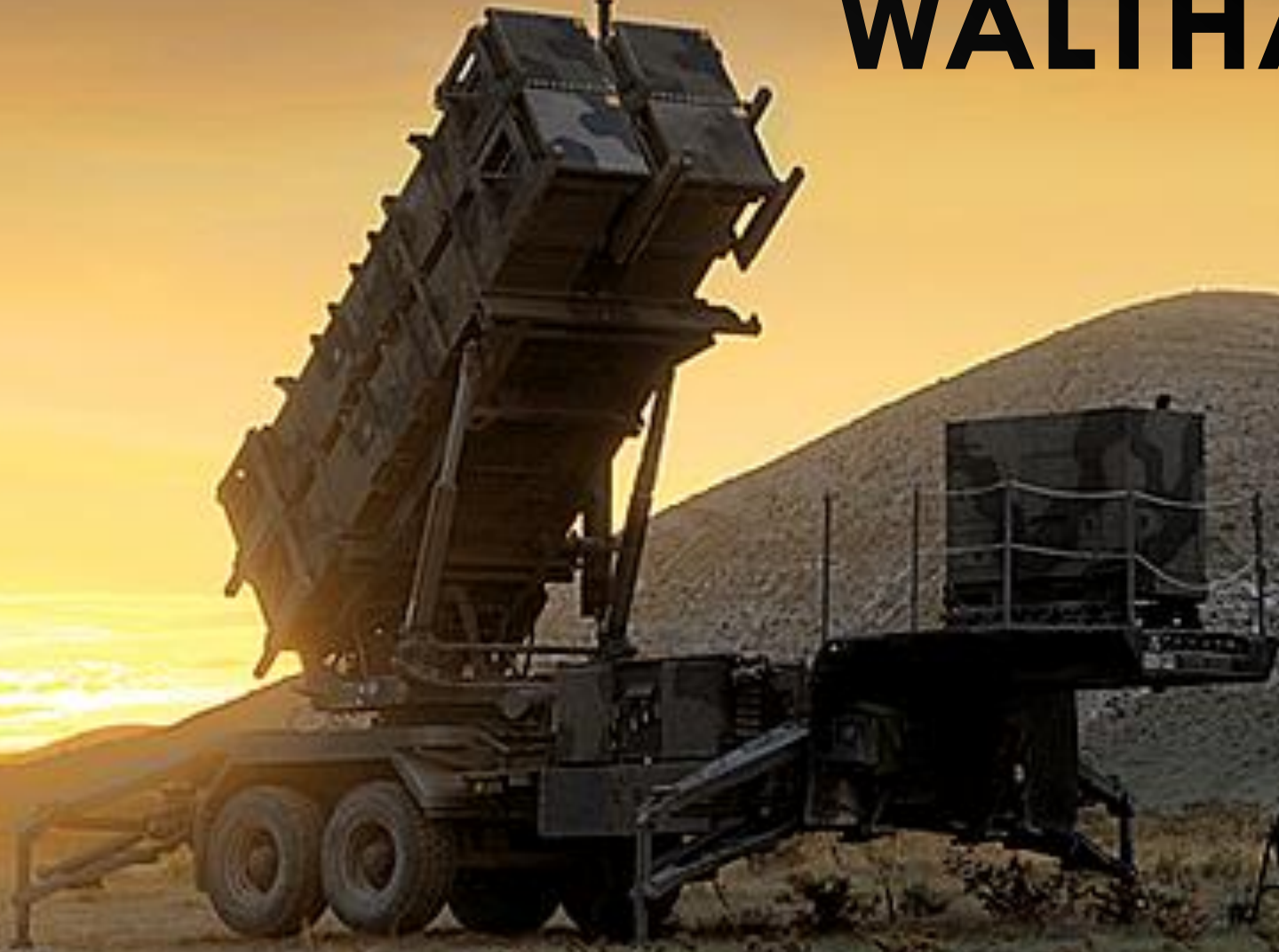
2MO, 2X VELOCITY



BOEING: MULKITEO, WA, USA



RAYTHEON: WALTHAM, MA, USA





**XBOX ONE:
SEATTLE, WA,
USA**



**HP:
PALO ALTO, CA,
USA**



**TOM TOM:
AMSTERDAM, NETHERLANDS**

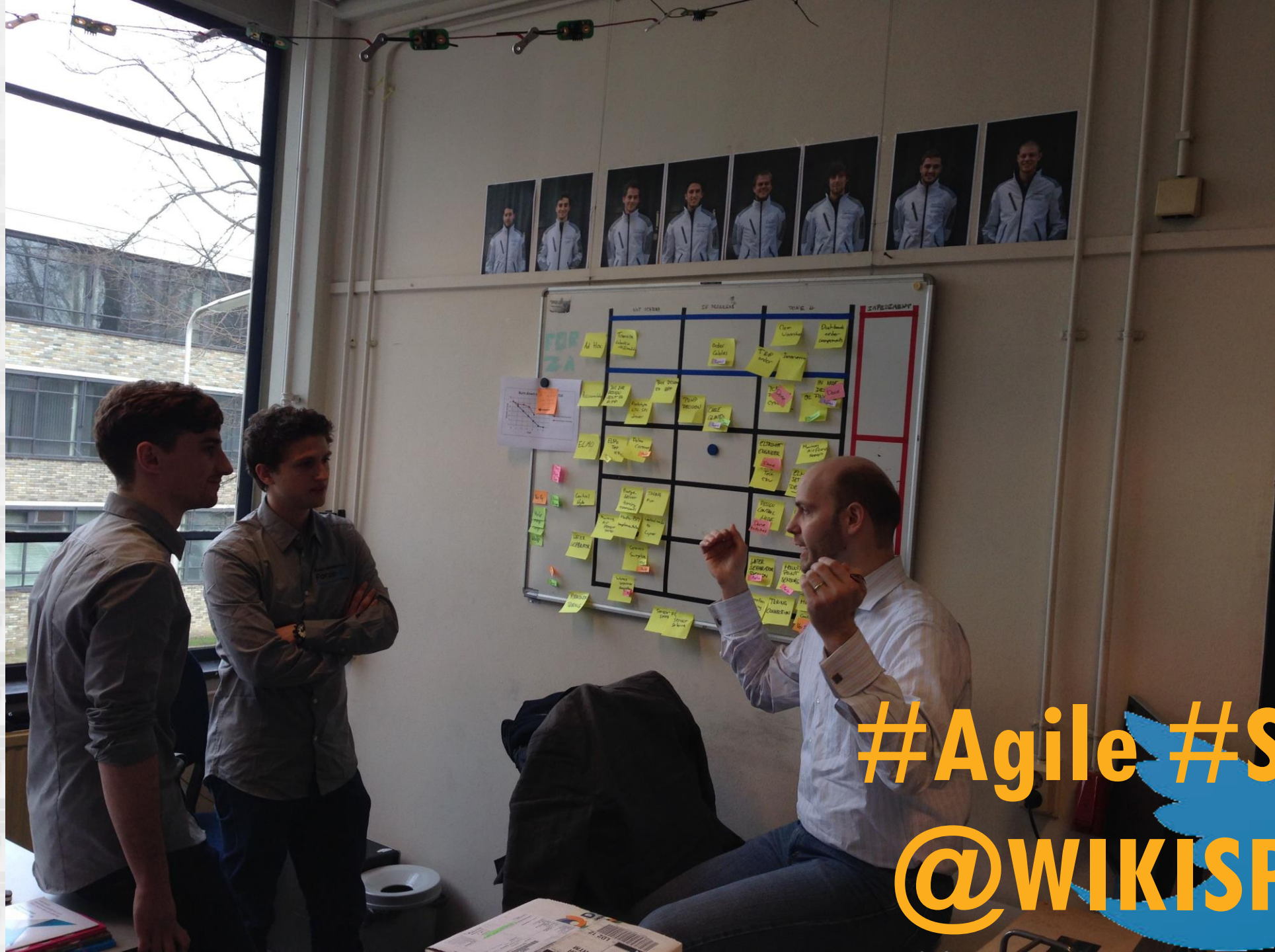
XEBIA:

AMSTERDAM, NETHERLANDS

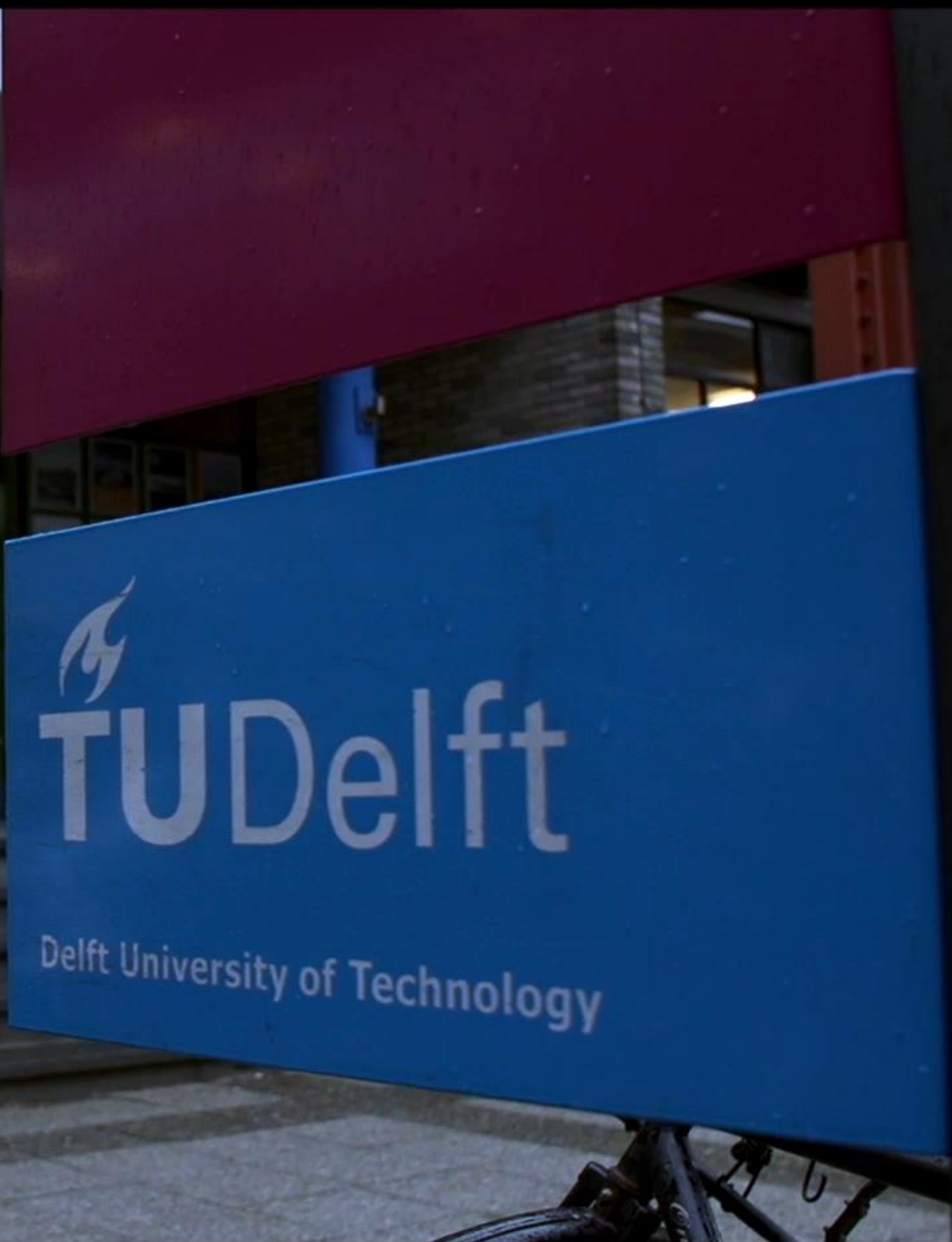


TU DELFT: DELFT, NETHERLANDS





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EDUSCRUM: NIEUWKOOPT, NETHERLANDS





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**BIO-RAD:
HERCULES, CA,
USA**



**TECAN:
MÄNNEDORF,
SWITZERLAND**





**ROYAL BANK
OF CANADA:
TORONTO,
CANADA**

**PICTET: GSTAAD,
SWITZERLAND**

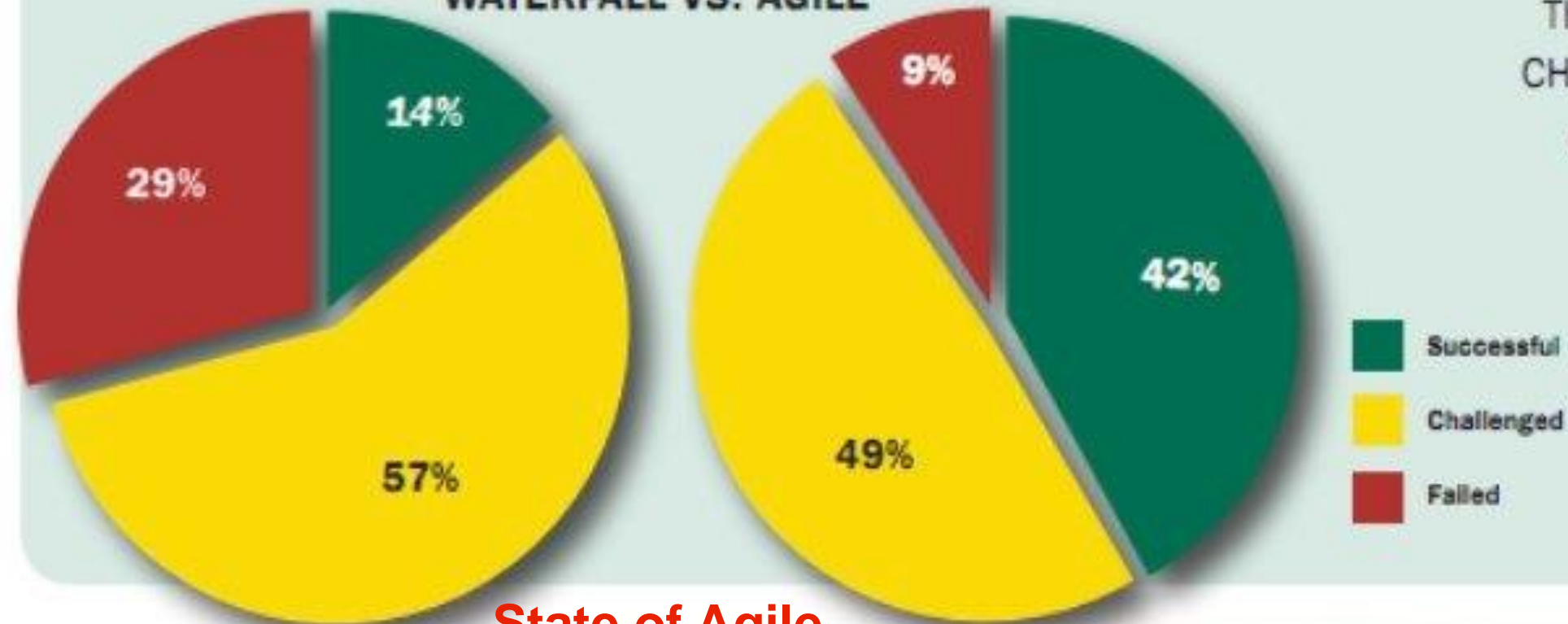


**PICTET & C^{IE}
BANQUIERS**

- The agile process is the universal remedy for software development project failure. Software applications developed through the agile process have three times the success rate of traditional waterfall method and a much lower percentage of time and cost overruns. The secret is the trial and error and delivery of the iterative process.

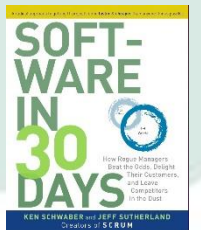
CHAOS RESOLUTION BY STYLE

WATERFALL VS. AGILE



The charts show classic CHAOS resolution results of waterfall versus the agile process from the CHAOS project database from 2002 to 2010.

Source:



State of Agile

Chaos Manifesto 2011, Standish Group International, Inc.

THE CHAOS MANIFESTO

25

A background image of a workshop or garage. On the left, a person wearing headphones and a grey jacket is seen from the side, with their right arm raised. In the center, a person is operating a professional video camera. On the right, another person in a red shirt and black cap is looking towards the camera operator. The background is filled with shelves, tools, and workshop equipment.

**THE WHOLE POINT:
MAKE IT CHEAP TO CHANGE YOUR MIND**

AGILE: REDUCE COST TO MAKE CHANGE
#Agile #Scrum
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Iterate your scrum to improve it.



Joe Justice
Justice@ScrumInc.com

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the way teams work

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