

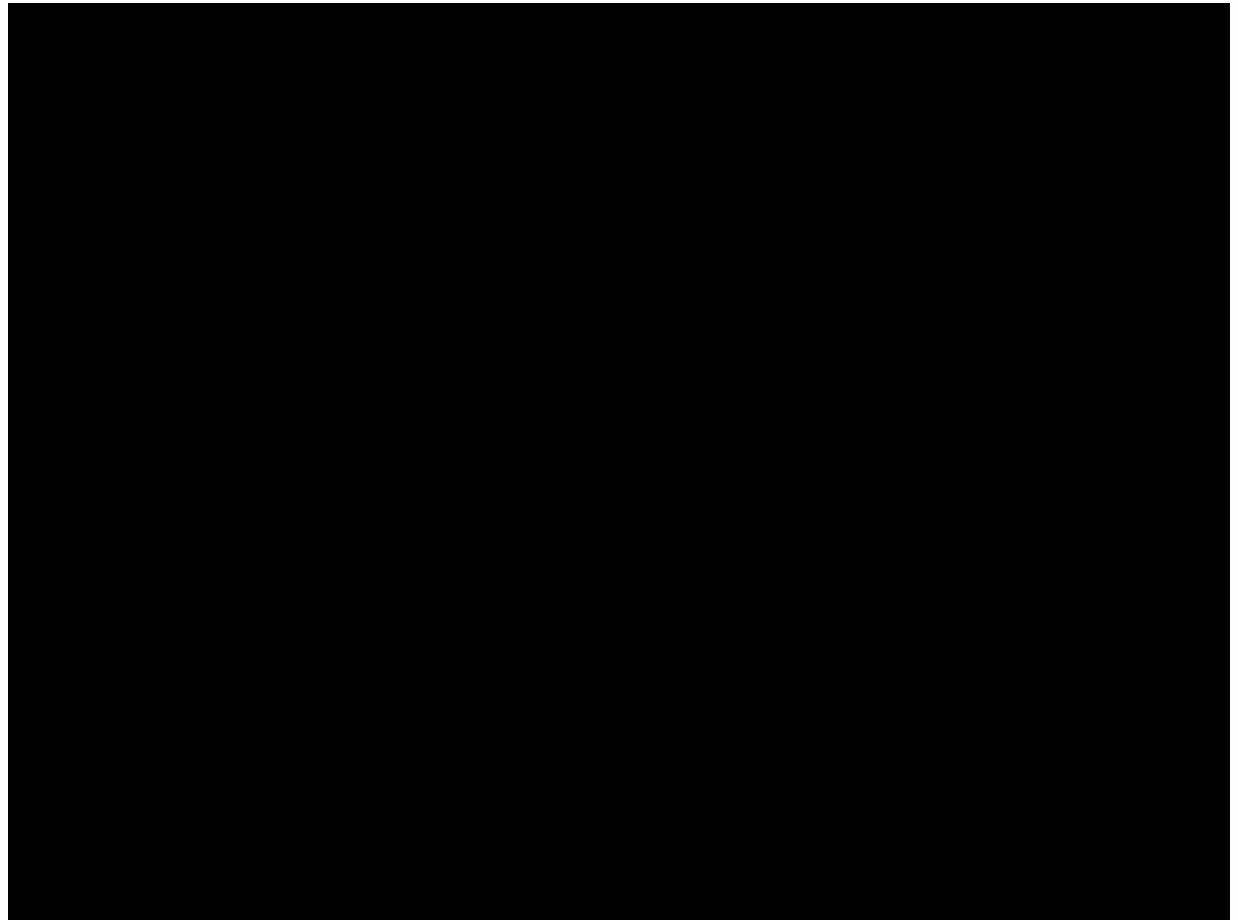
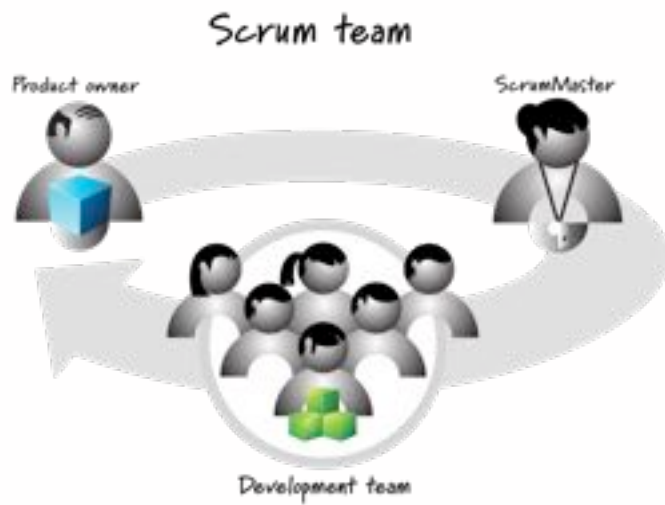


**SCRUM4HW  
DONE!  
(ALMOST)**

# Hubert Smits, CST

- Signed the Agile Manifesto (2002).
- Brought Ken Schwaber to Scotland for the first European CSM training (2003).
- Started Agile Scotland.
- Brought Mary Poppendieck to Scotland for Lean Software Development training (2004).
- Participated in the first Scrum Gathering (2004).
- Co-trained with Ken Schwaber to become CST (2005).
- Scrum trained & certified over 6,000 people globally.
- Organizer and driver of the first Scrum for Hardware gathering where the Charter for Agile Product Development was written (2016).

## Scrum Foundation I - Team



# Scrum Foundation II - Empiricism

Scrum is founded on empirical process control theory

Empiricism asserts that knowledge comes from experience and making decisions based on what is known

Scrum employs an iterative, incremental approach to optimize predictability and control risk.

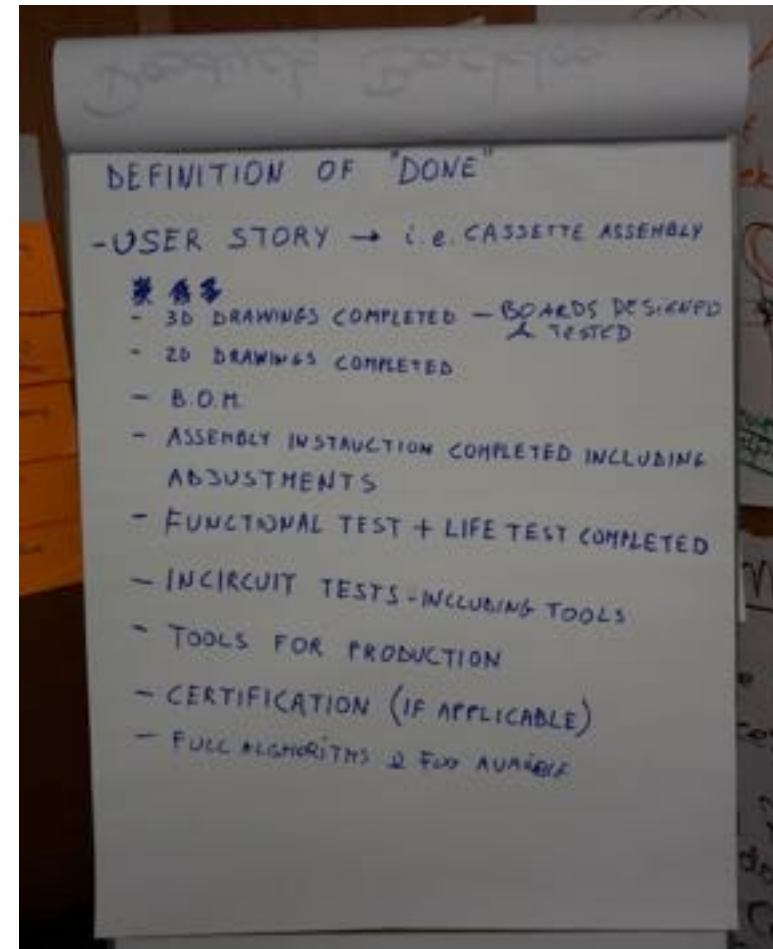
Three pillars uphold every implementation of empirical process control: transparency, inspection, and adaptation.

Scrum works particularly well in complex environments where we need to learn more about the product, the project, and/or the work environment.

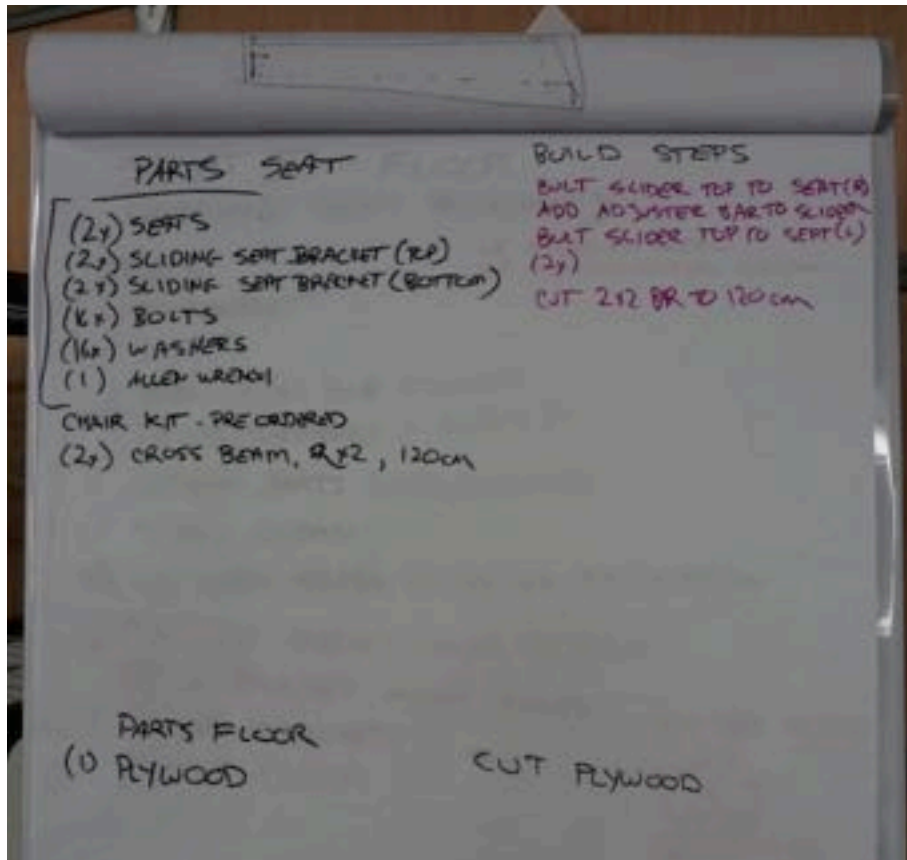
# That Word: “Shippable”



# Is Achieved Through "Done"



# In the Car Build



# Which Leads Back to “Team”

Cross Functional in Scrum4HW:

Design Engineers  
Process Engineers  
Supply Chain Reps  
Manufacturing Reps  
Service Reps



**There are always other ways to be a great team...**

## The final build...

- Final stories...
- Shippable...