

Collaborative Design Facility (CDF) – Flanders Make infrastructure project



Goal: Supporting engineering workflows

HW/SW:

- Conferencing
- Screensharing
 - with remote control
- Sketching
- Giving presentations

SW:

- "Backbone"/central repository
 - for engineering artifacts
- Workflow enactment

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Decision to be made: Hardware or software-centric?

Possible hardware-based solutions:

Conferencing => all-in-one (“Teams in a box”) solutions

Screensharing => Barco ClickShare, ...

with remote control => ?

Sketching => Interactive whiteboard

Giving presentations => ?



Downsides:

Typically over-priced

”Closed-source”

Lack of standardization

=> poor inter-operability



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Generic Hardware

4 rooms (Antwerp, Lommel, Leuven, Kortrijk),

each equipped with:

desks, power + Ethernet outlets

video wall

=> conferencing (+webcam, mic, speakers, screensharing SW)

=> sketching (touch-enabled)

=> presentations

=> movie watching

powerful workstation

=> run simulations, ...

Software

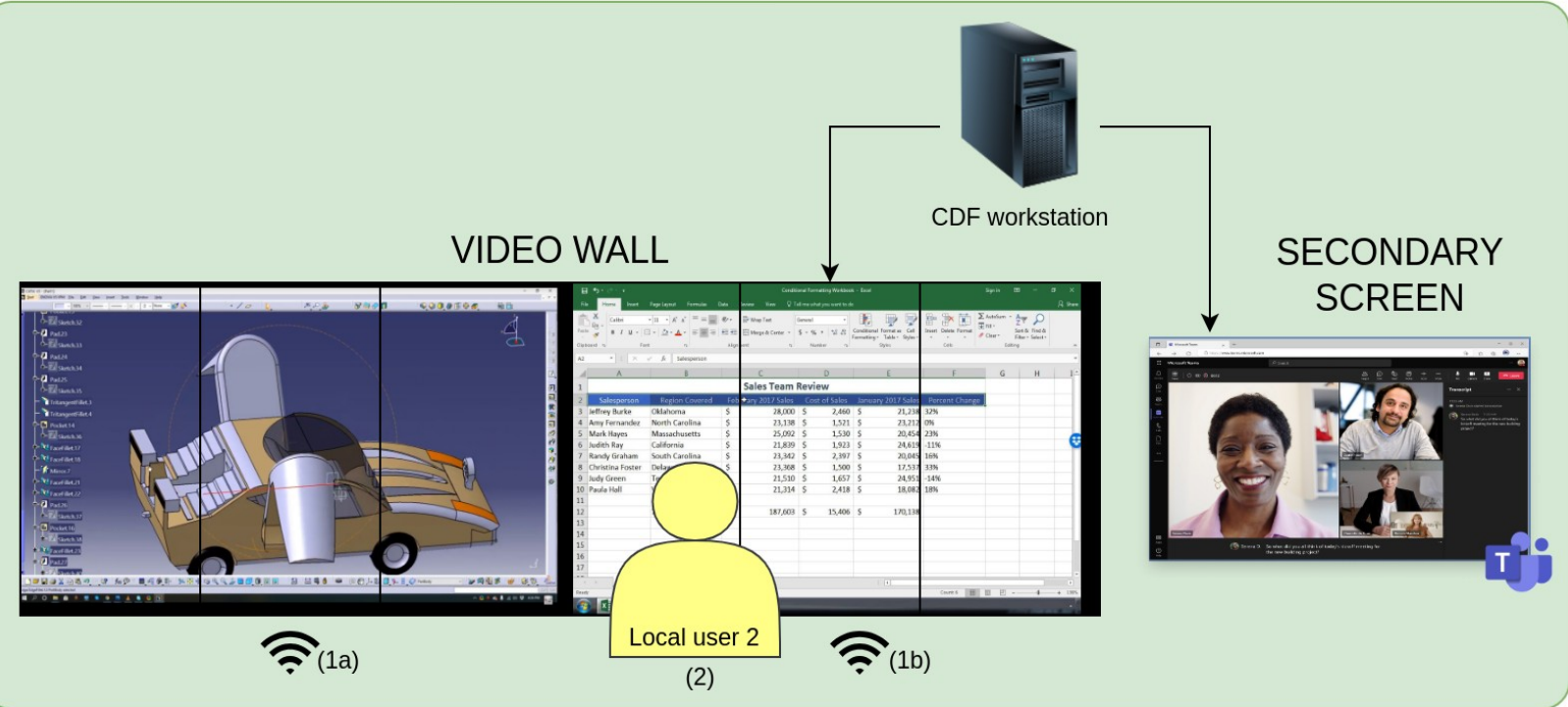
Prototype: ontology-based model repository

& workflow enactment

will be demo'd later by Lucas & Arkadiusz



DROVIO SCREENSHARING CAPABILITIES - SINGLE-ROOM



(1a) Local CDF user can share her screen with video wall

(1b) Remote user can share her screen with video wall

(2) Local CDF user can see and interact with screenshares via video wall

(3) Remote user can join any screenshare session (and interact with it)



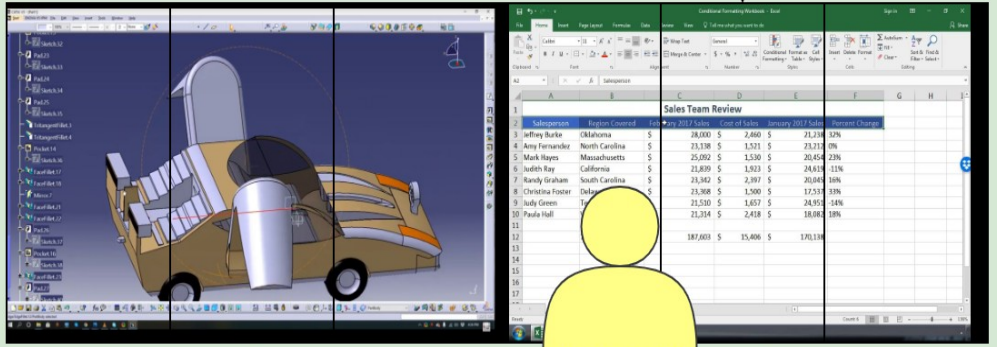
DROVIO SCREENSHARING CAPABILITIES - MULTI-ROOM

CDF ROOM 1



CDF workstation

VIDEO WALL



Local user 2

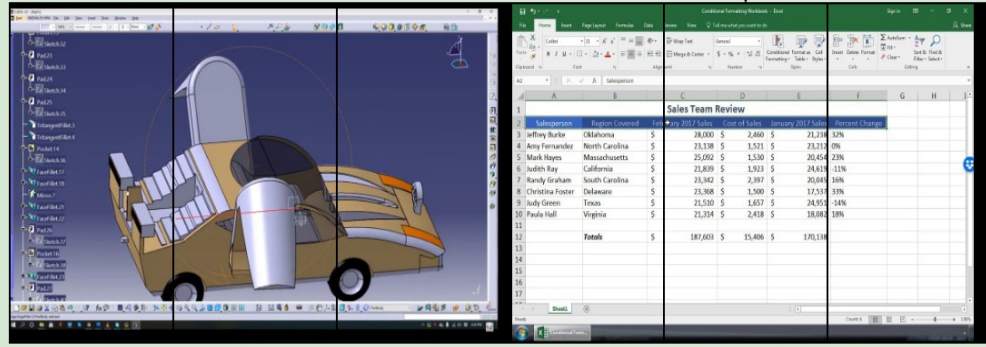


CDF ROOM 2



CDF workstation

VIDEO WALL



(2)



CDF ROOM 1 user Local user 2



CDF ROOM 2 user



Remote user

