

Captain Andy Mitchell (BEng)

- *Part-time A320 TRI & Training Captain with major European airline*
- *+ 12 years Airbus Training Experience*
- *Degree in Aeronautics/Astronautics*
- *CEO & Founder of Use Before Flight*
- *Software partners with Iberia for EBT implementation (assessment & grading system)*



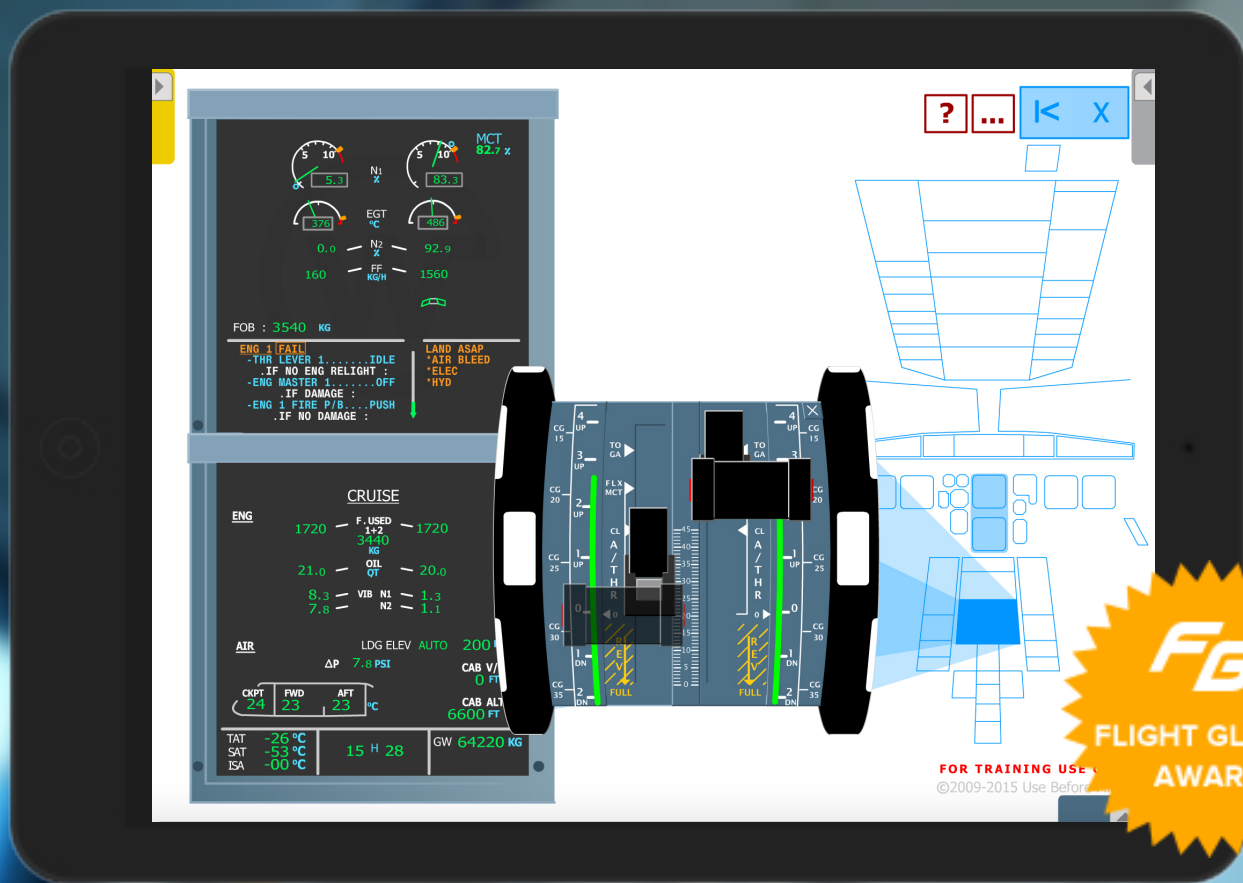
EBT

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Alternative Training Means

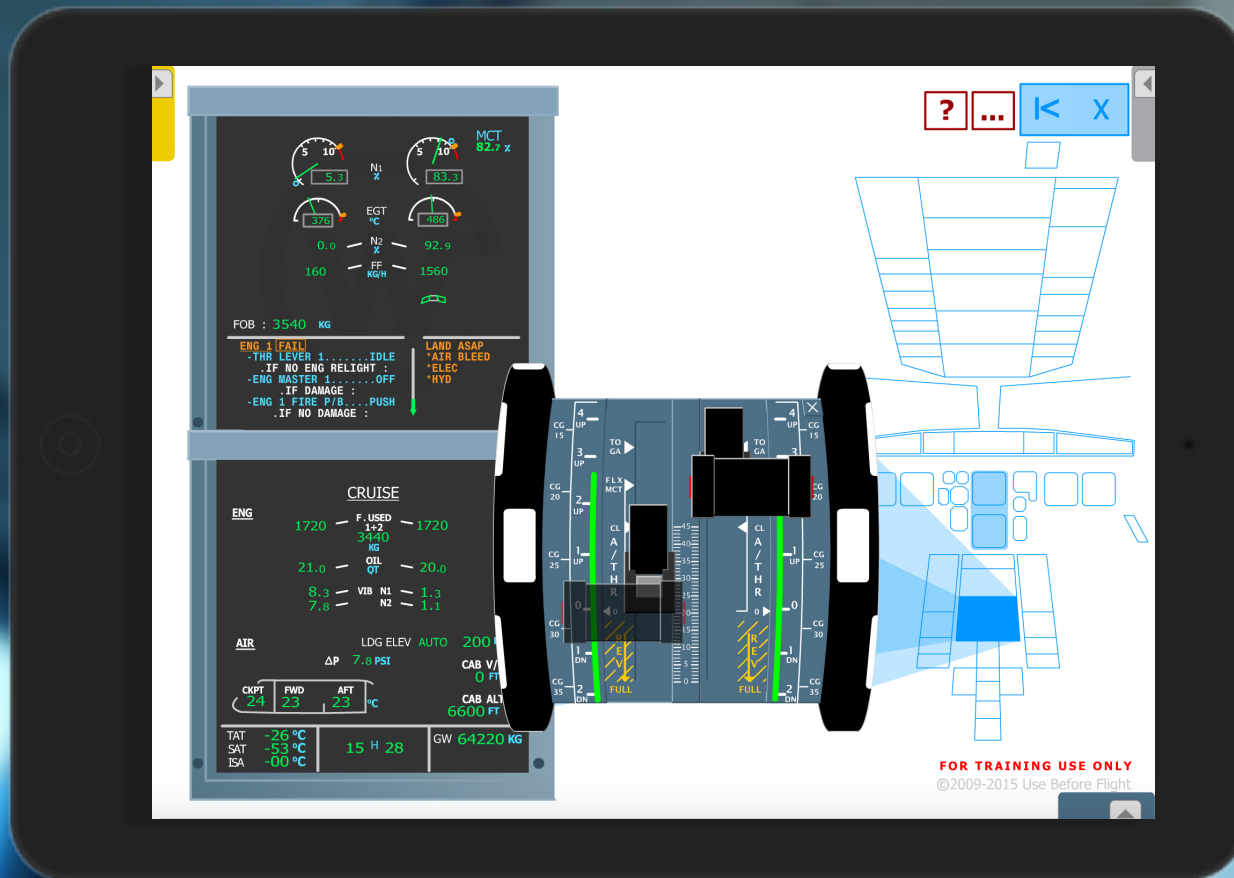


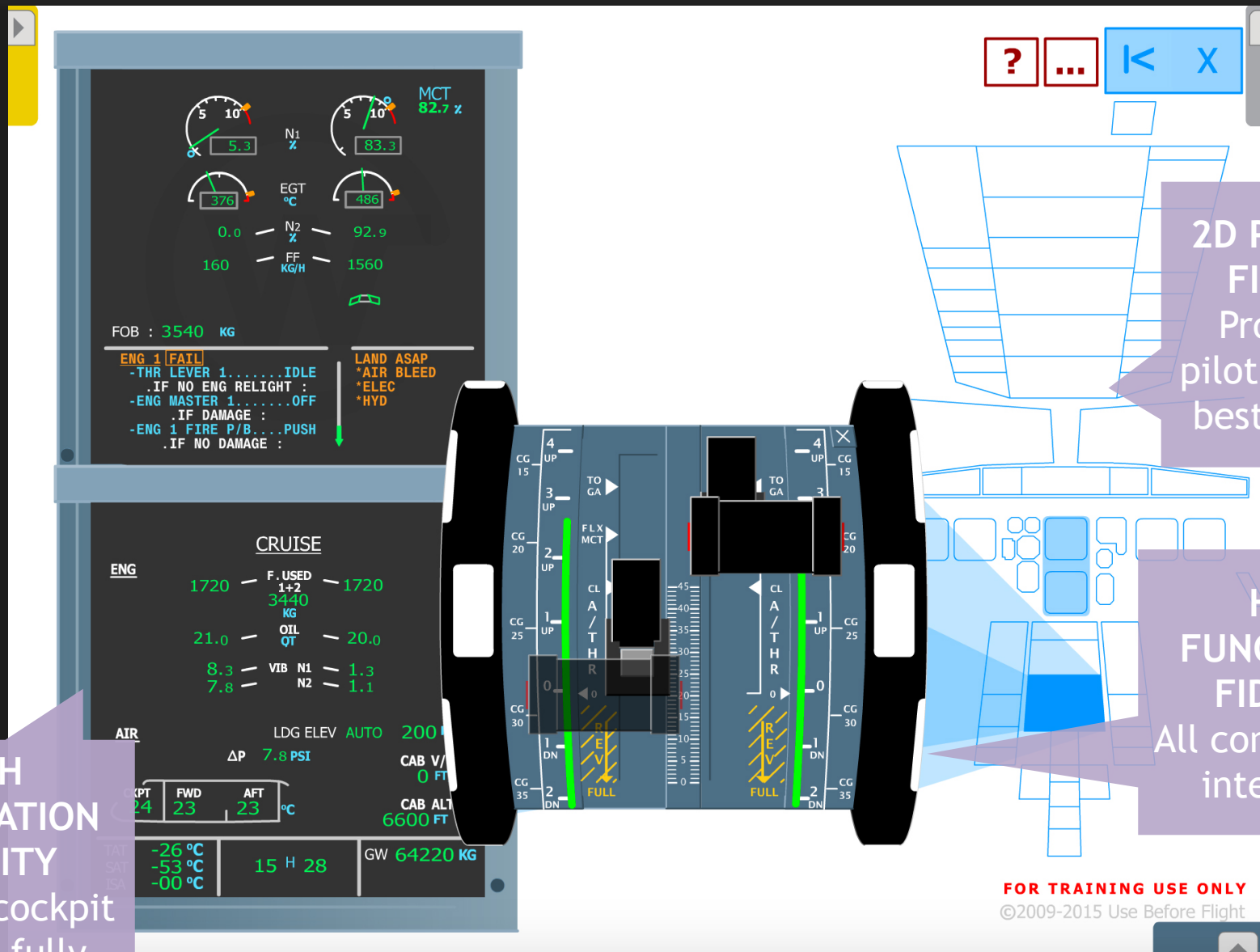
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All-Device Interactive Training





2D PHYSICAL FIDELITY
Promoting
pilot-interface
best practice

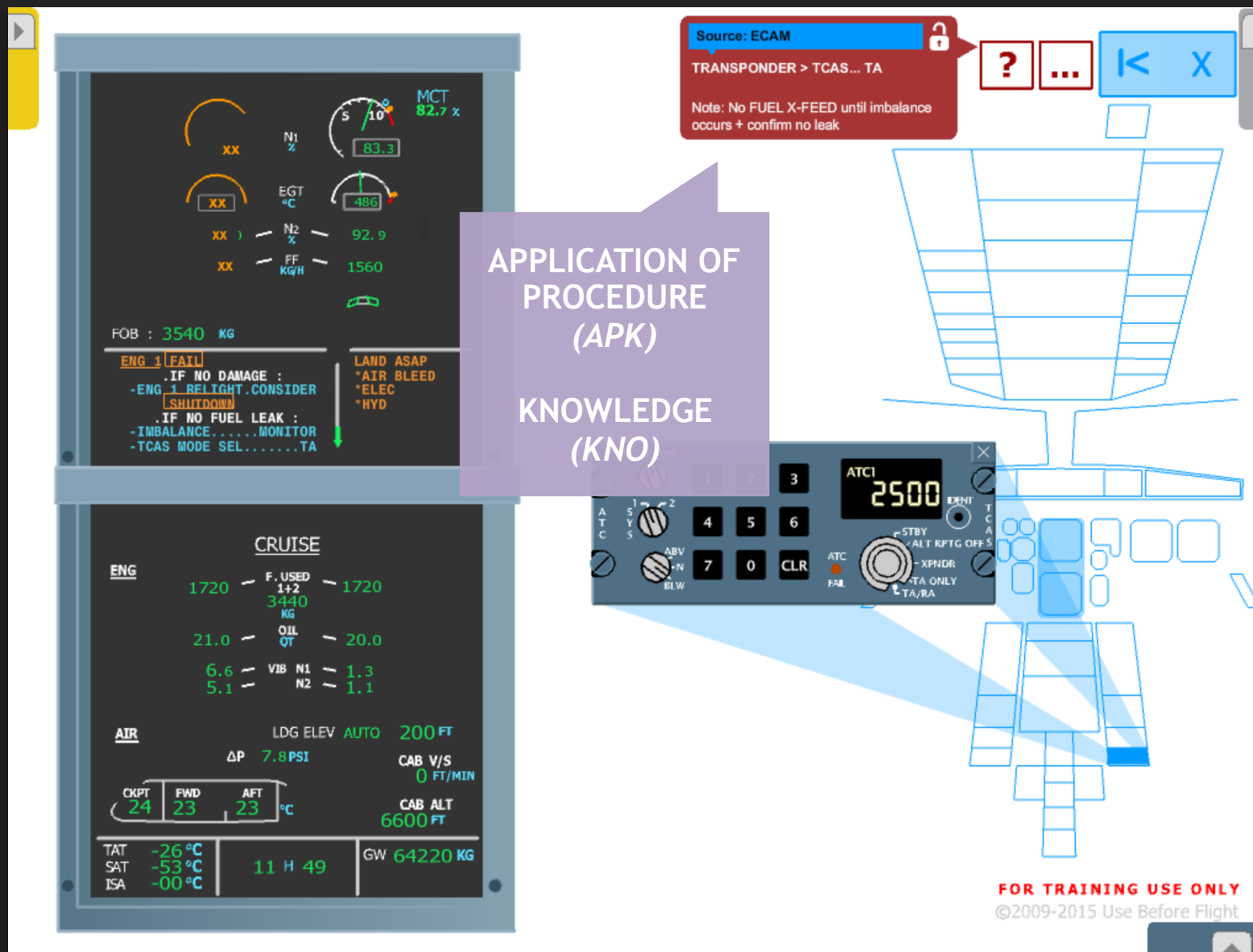
HIGH FUNCTIONAL FIDELITY
All controls fully
interactive

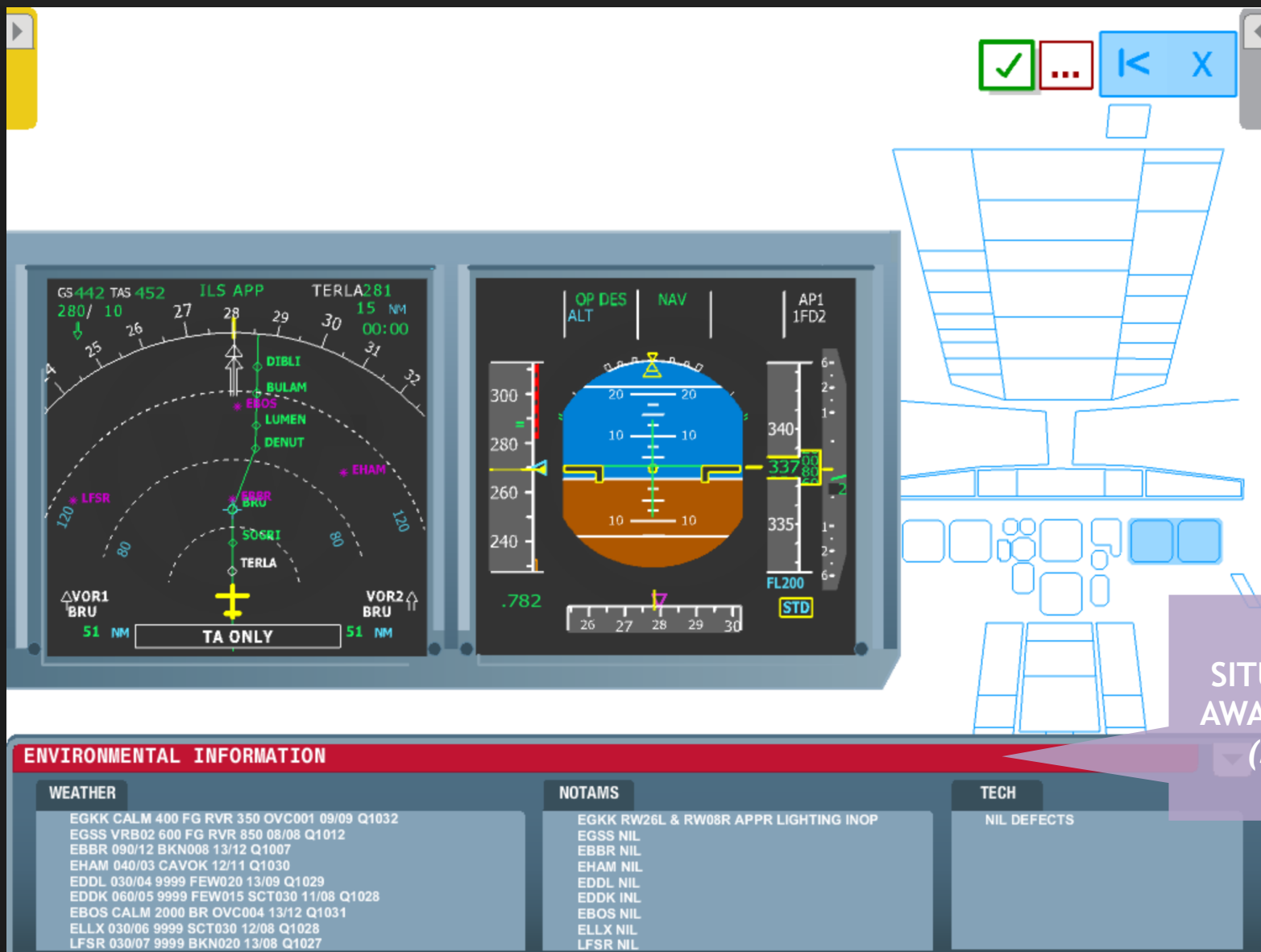
FOR TRAINING USE ONLY

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HIGH INFORMATION FIDELITY

All glass cockpit
screens fully
simulated





PROBLEM SOLVING &
DECISION MAKING
(PSD)

LEADERSHIP &
TEAMWORK
(LTW)

COMMUNICATION
(COM)

DECISION MAKING

DECISION MAKING - DODAR

DIAGNOSIS

Engine 1 Fail with damage (no re-light possible)

OPTIONS

CONTINUE, DIVERT, GO BACK

DECIDE

CONTINUE EBBR GO BACK

ASSIGN

CAPTAIN	FIRST OFFICER
FLY	FLY ✓
RADIO	RADIO ✓
LIASE / BRIEF ✓	LIASE / BRIEF
FLY APPROACH ✓	FLY APPROACH
LAND ✓	LAND

REVIEW

CABIN CREW COMMUNICATION - NITS

NATURE

Engine problem with no.1 engine

INTENTIONS

DIVERT TO EBBR

TIME

5min 10min 15min 20min 25min 30min

SPECIAL INSTRUCTIONS

☐ PREPARE CABIN FOR A NORMAL LANDING

☒ PREPARE FOR A PRECAUTIONARY LANDING

☐ PREPARE FOR AN EMERGENCY LANDING

☐ VISUAL INSPECTION OF WINGS

☐ CARRY OUT A SEARCH OF CABIN

ENVIRONMENTAL INFORMATION

WEATHER

EGKK CALM 400 FG RVR 350 OVC001 09/09 Q1032
EGSS VRB02 600 FG RVR 850 08/08 Q1012
EBBR 090/12 BKN008 13/12 Q1007
EHAM 040/03 CAVOK 12/11 Q1030
EDDL 030/04 9999 FEW020 13/09 Q1029
EDDK 060/05 9999 FEW015 SCT030 11/08 Q1028
EBOS CALM 2000 BR OVC004 13/12 Q1031
ELLX 030/06 9999 SCT030 12/08 Q1028
LFSR 030/07 9999 BKN020 13/08 Q1027

NOTAMS

EGKK RW26L & RW08R APPR LIGHTING INOP
EGSS NIL
EBBR NIL
EHAM NIL
EDDL NIL
EDDK INL
EBOS NIL
ELLX NIL
LFSR NIL

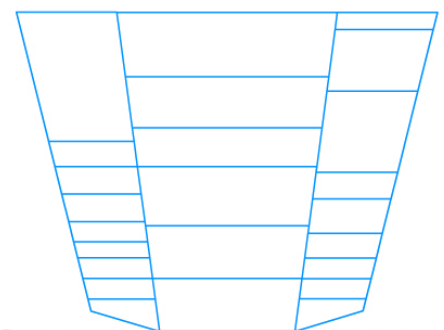
TECH

NIL DEFECTS

Situation
Awareness
(SAW)



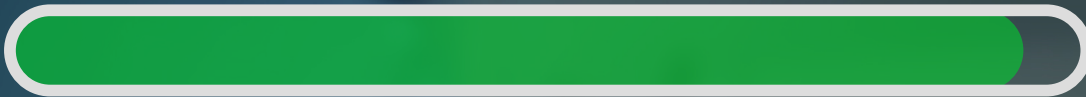
Problem Solving
& Decision
Making
(PSD)



GO AROUND

CONTINUE

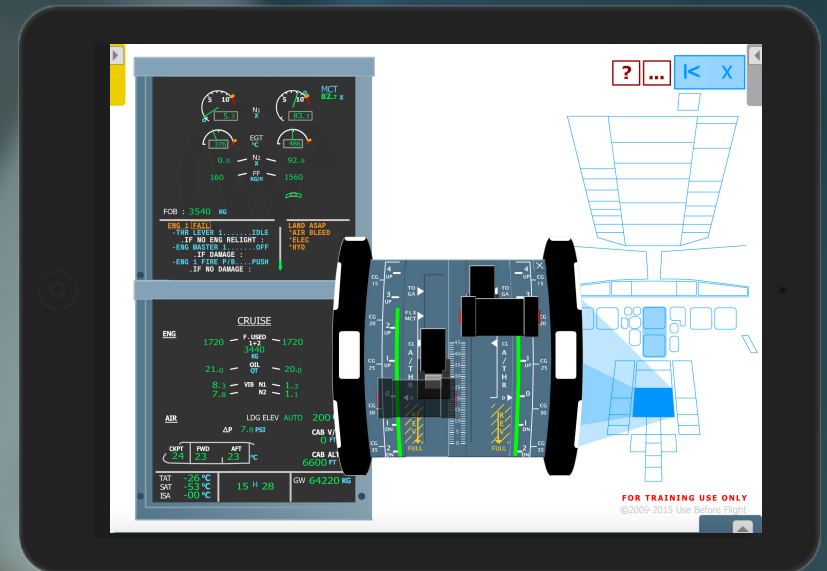
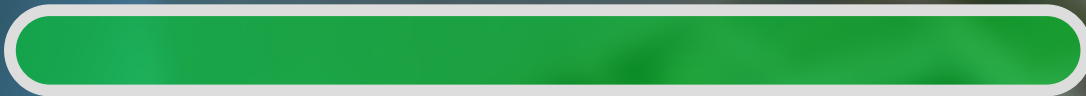
Functional Fidelity



Physical Fidelity



Information Fidelity



Formal

Remote

Individual

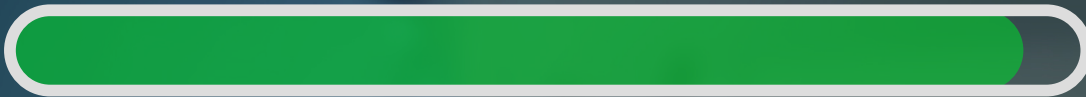
In-Formal

On-site

Instructor-lead

Co-operative

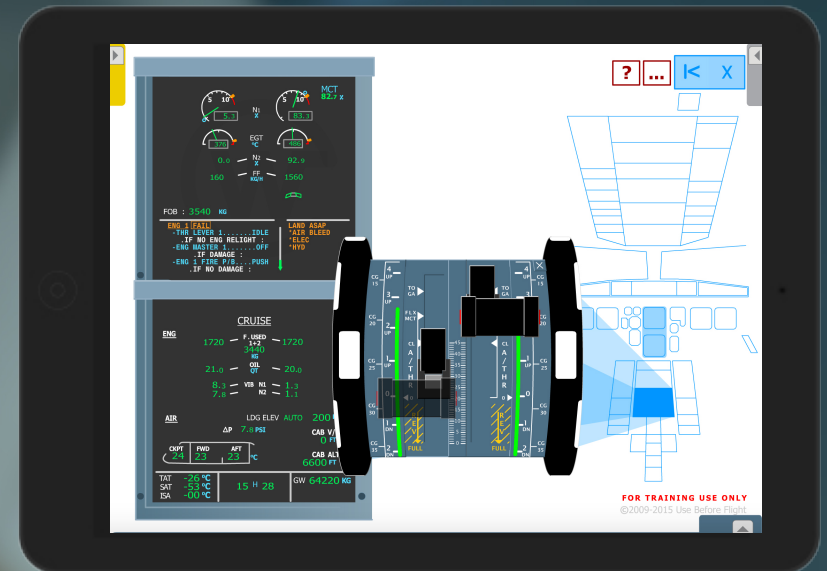
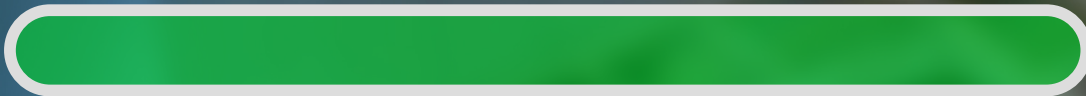
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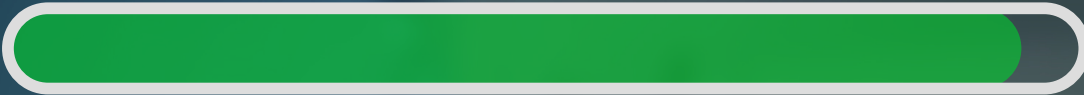
In-Formal

On-site

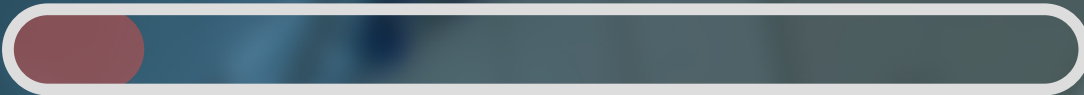
Instructor-lead

Co-operative

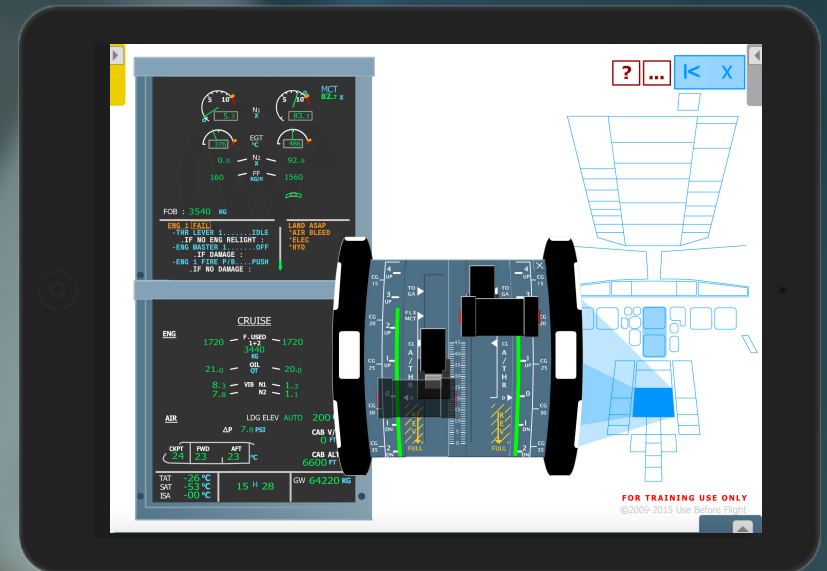
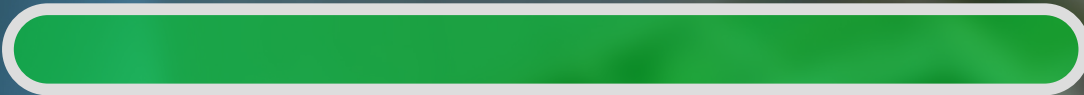
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Physical Fidelity



Information Fidelity



Formal

In-Formal

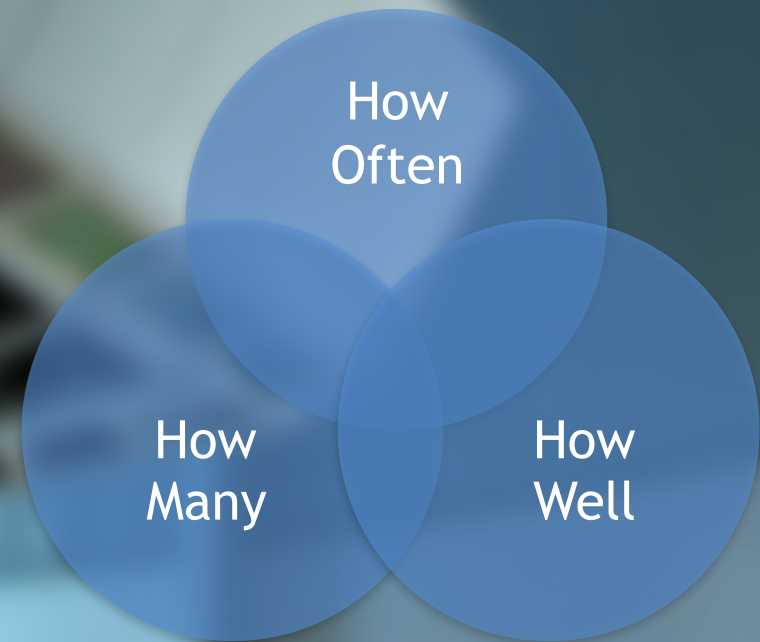
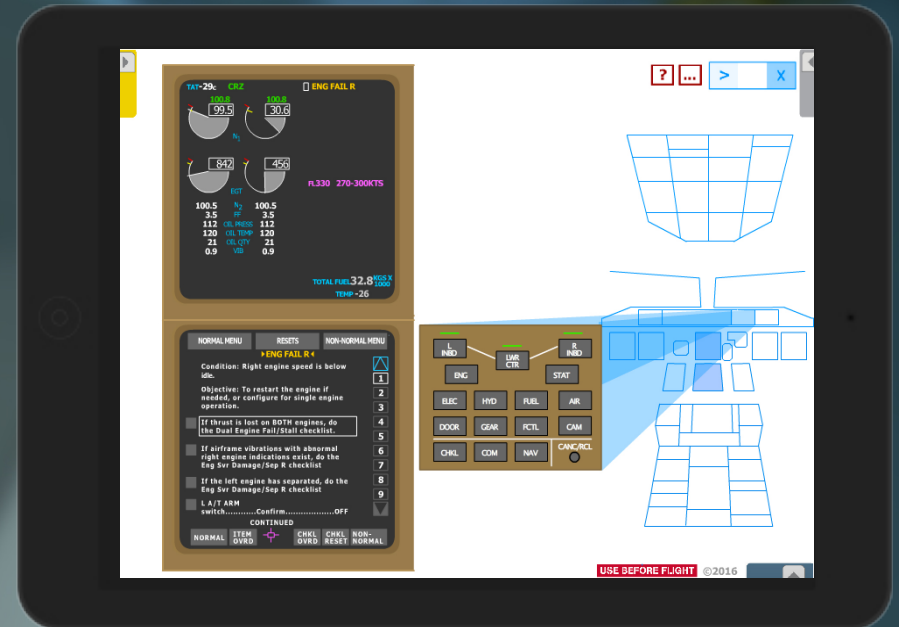
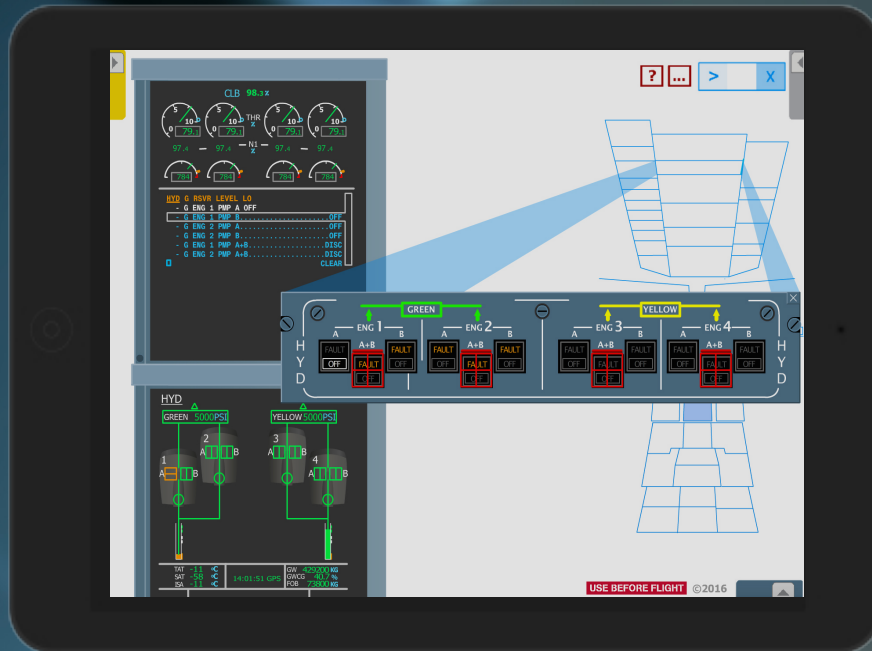
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360-Videos & Oculus Rift



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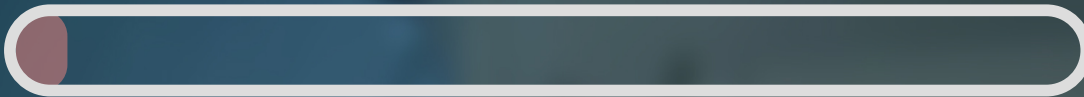


EASA

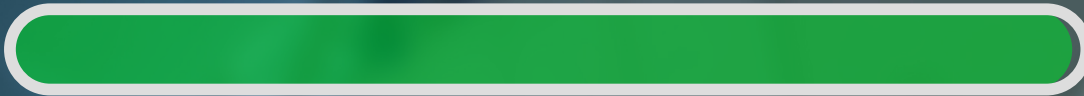
1st FEBRUARY 2017



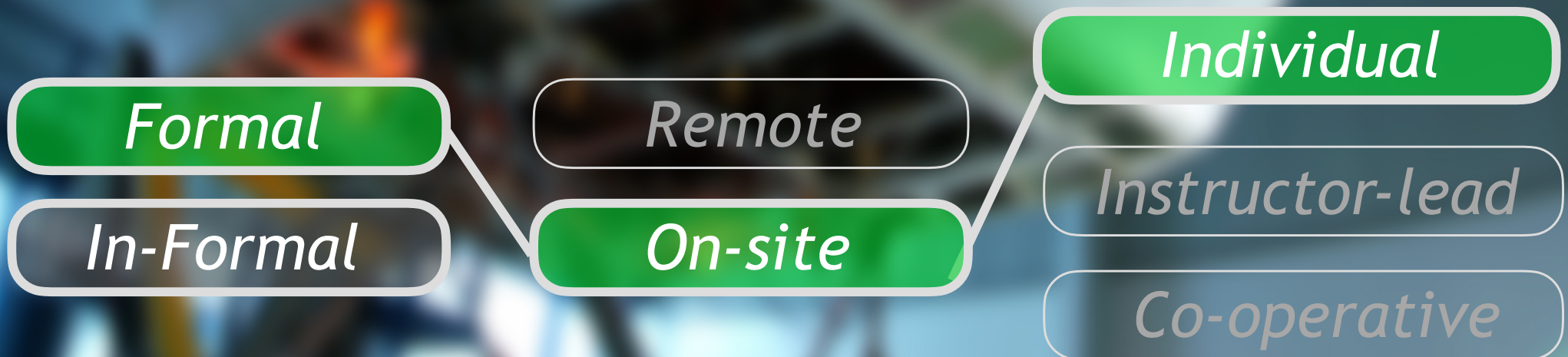
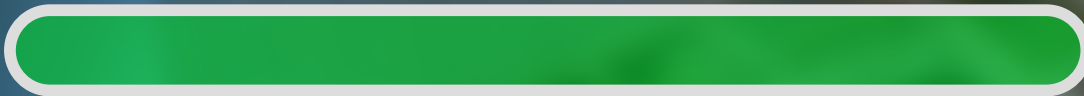
Functional Fidelity



Physical Fidelity



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Get in touch

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