EV. BAKRE HOW TO GET COCKPITS FIT FOR TASK

SVETS

PLATS FOR "

5180PLAT

PLAT DOORLEK Smm

10 mm AKEYL 5 DELARE

B30 kanzukyee + Mueras

BOCKAR KANT

RUTENDO

L-PROPLL

BOOM

FERMEL UCAR

WHERE TO PUT THE CONSOLE?

WHO WANTS TO GO UP FRONT?

FORWARD

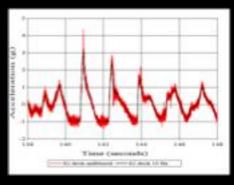
CENTER

AFT

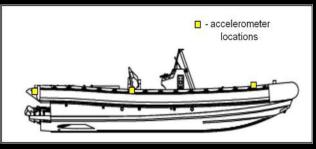




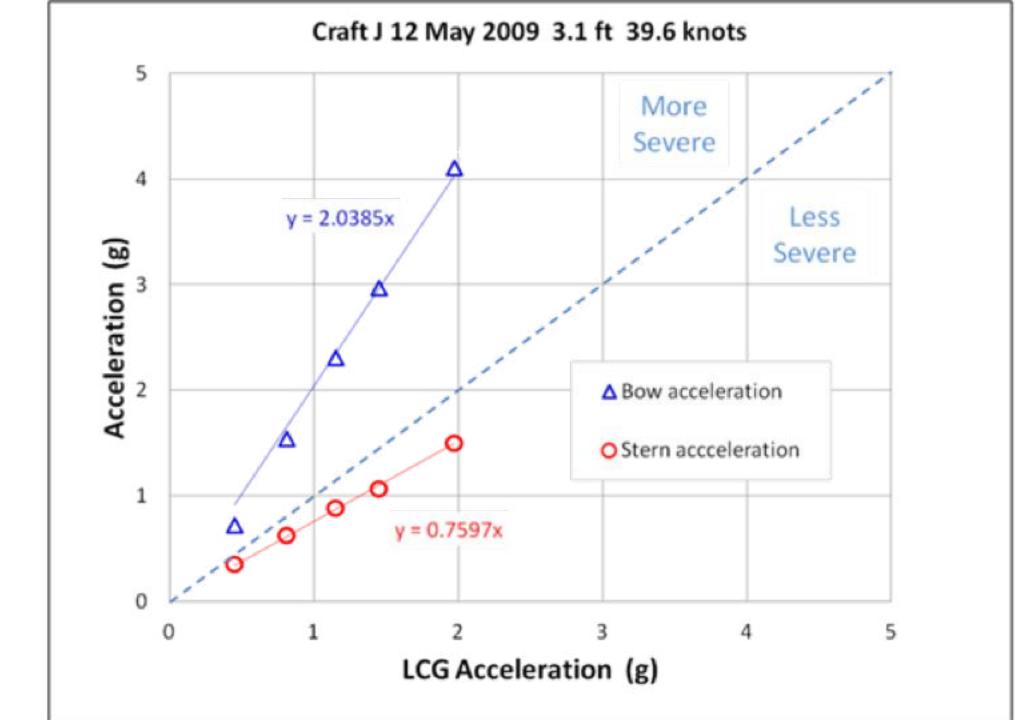
US NAVY Craft Data Base



- Twenty-plus craft tested since 1996
- Length overall
 - 33 to 82 feet
 - 10 to 25 meters
- Nominal weights
 - 14,000 to 116,000 pounds
 - 6,350 to 52,617 kilograms



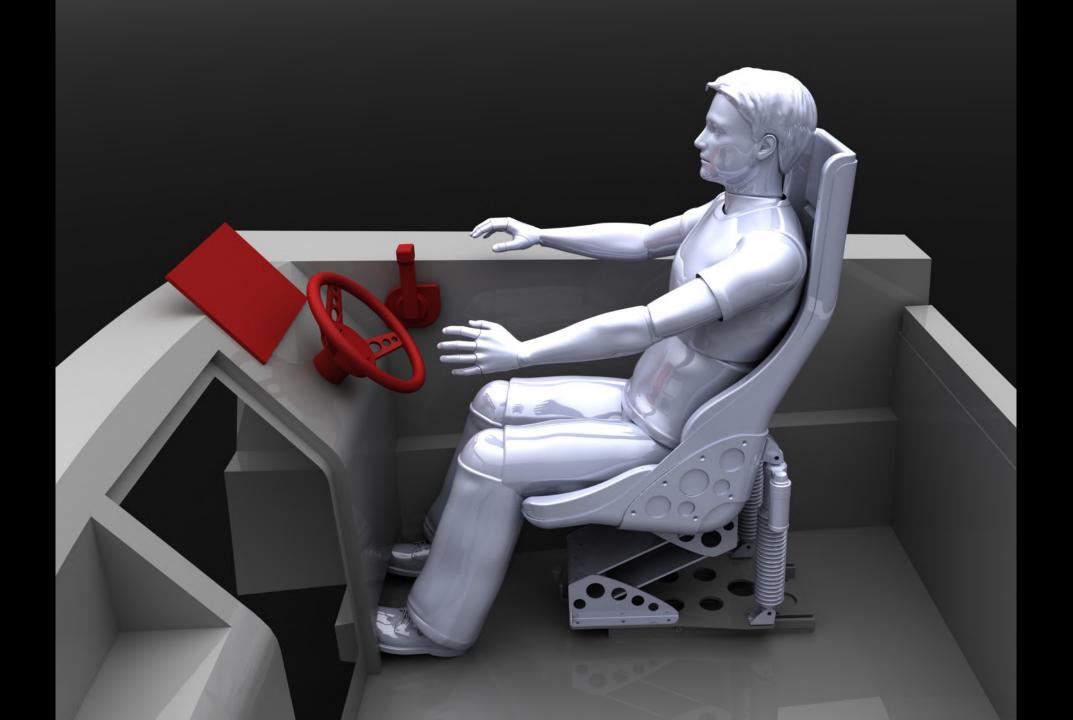
- Five headings
 - Head
 - Quartering bow, stern
 - Beam
 - Following
- Acceleration x, y, z
- Pitch, roll
- Average speed (GPS)
- Wave buoy data

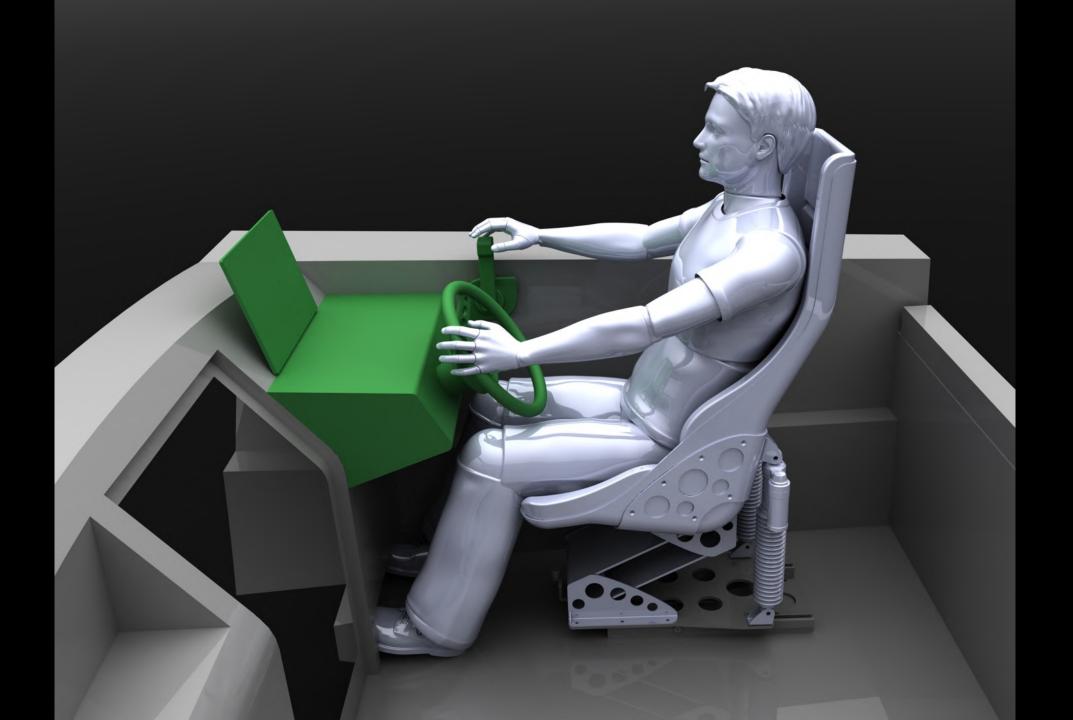


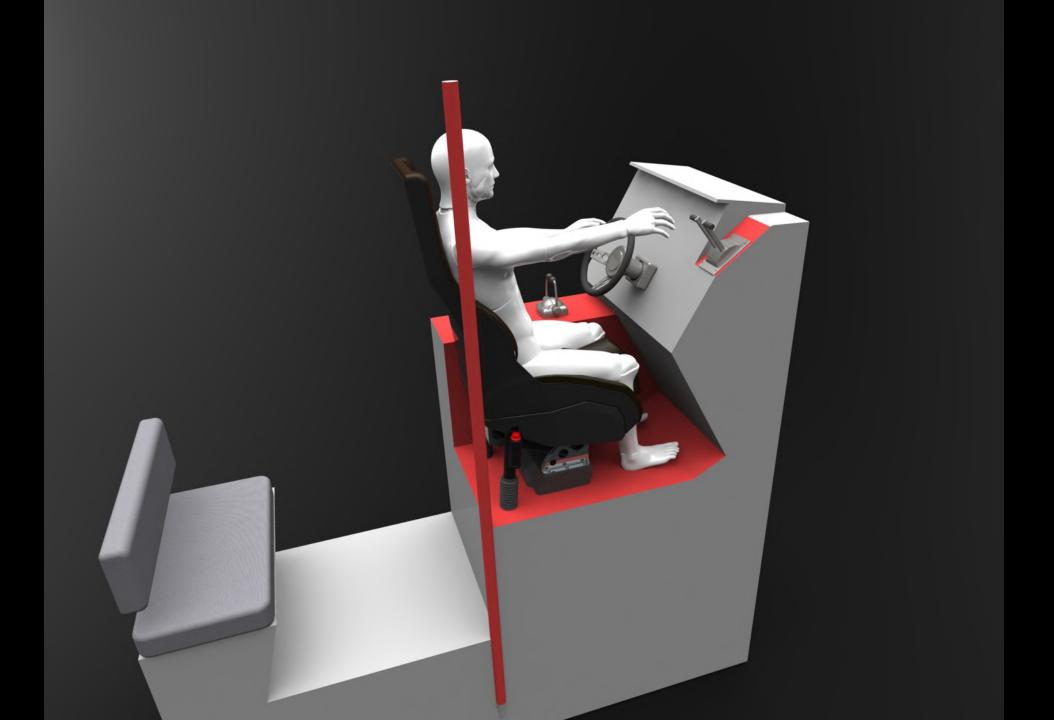
BOW = 2.04 COG = 1.00 STERN = 0.76

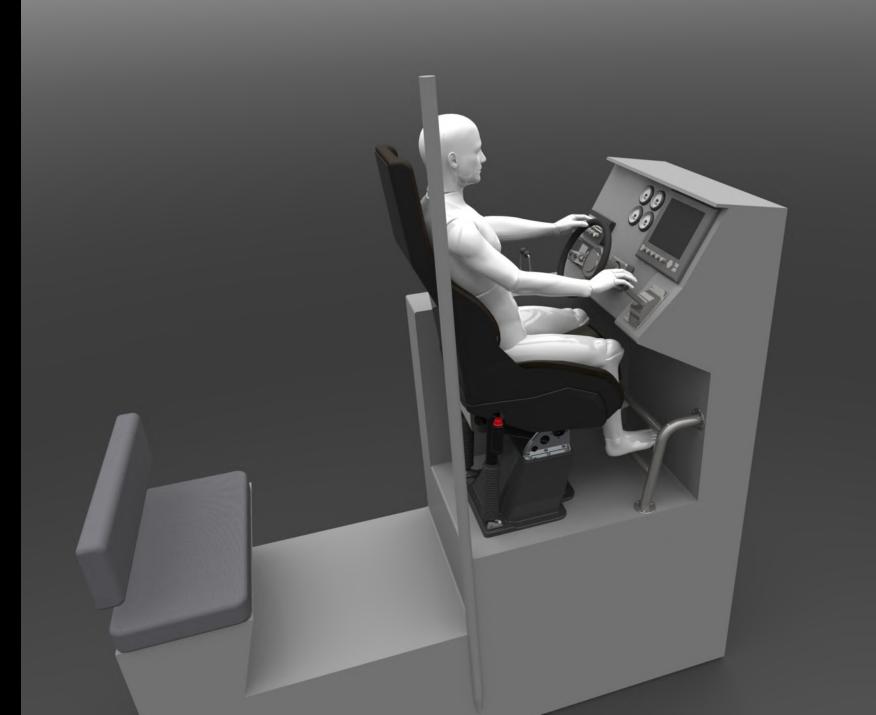












WHAT TO THINK ABOUT WHEN DESIGNING COCKPITS

STEP-BY-STEP











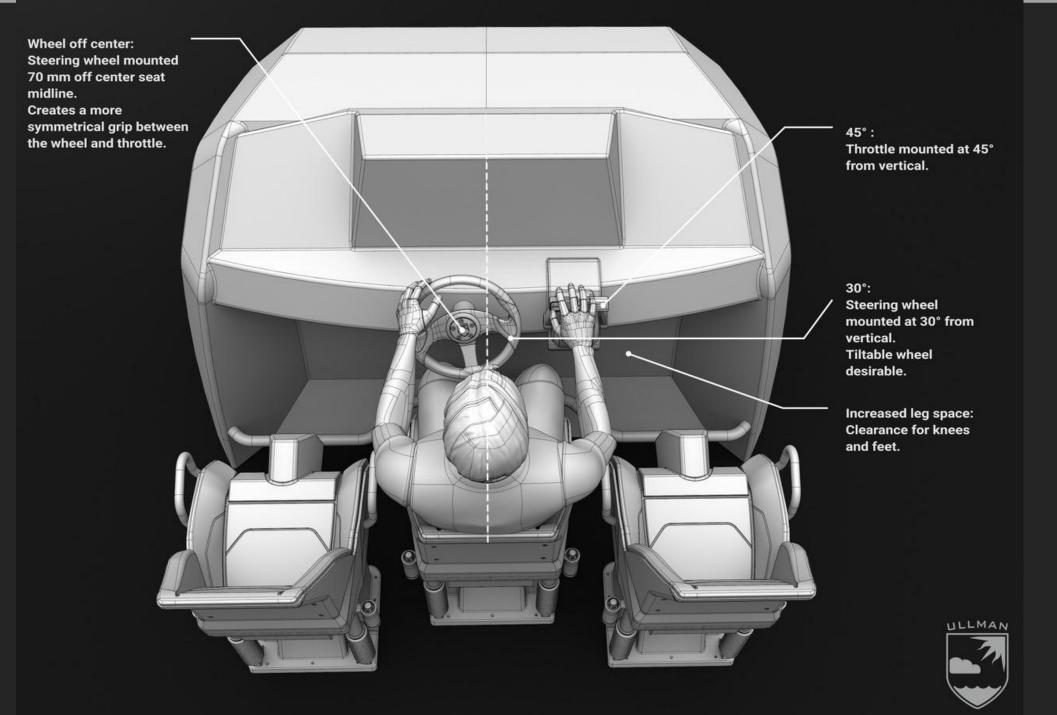


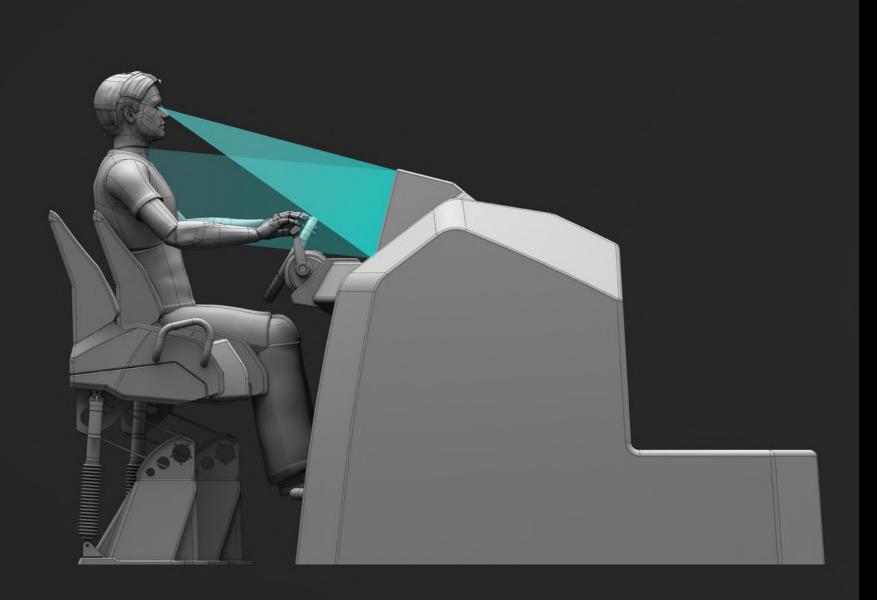












Secondary visual input: Panels for secondary visuals. Reduced angles allows better operating overview towards the ship sides. Primary visual input: Panel angled at 14° from vertical. Optimized visual overview with reduced glare from sky/T-top.

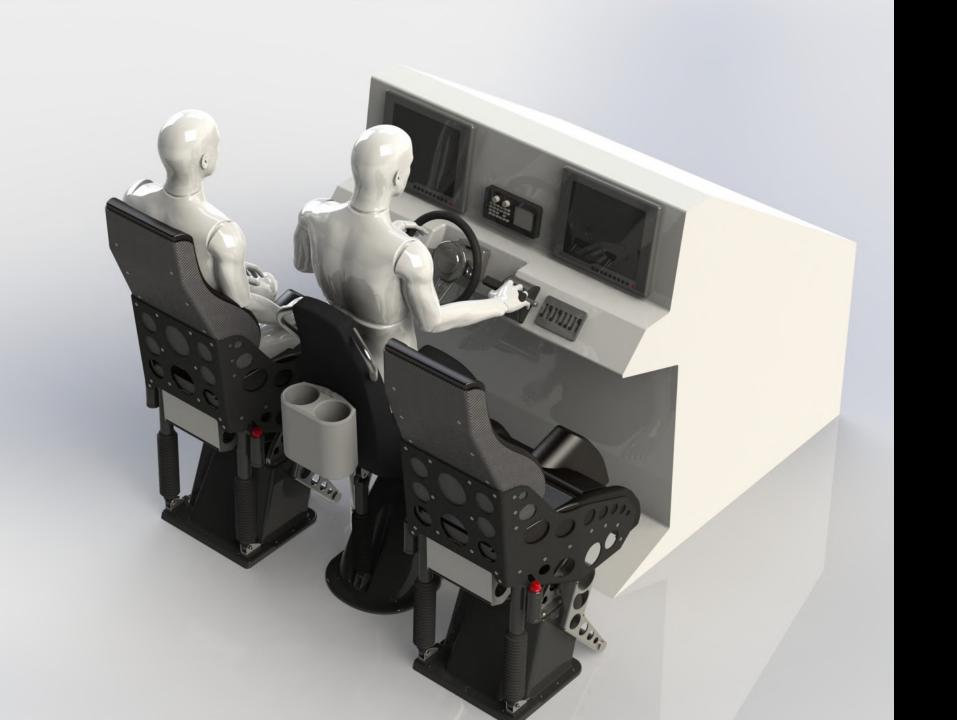
Handlebars: Stainless steel grips for the passengers.

Seat staggering (Optional): A 150+mm longitudinal staggering simplifies entering/exiting the drivers seat. Also reduces the lateral c-c mounting measure of the seats without user shoulder interference.

Footrest pipe: Increases comfort for Echelon seats.

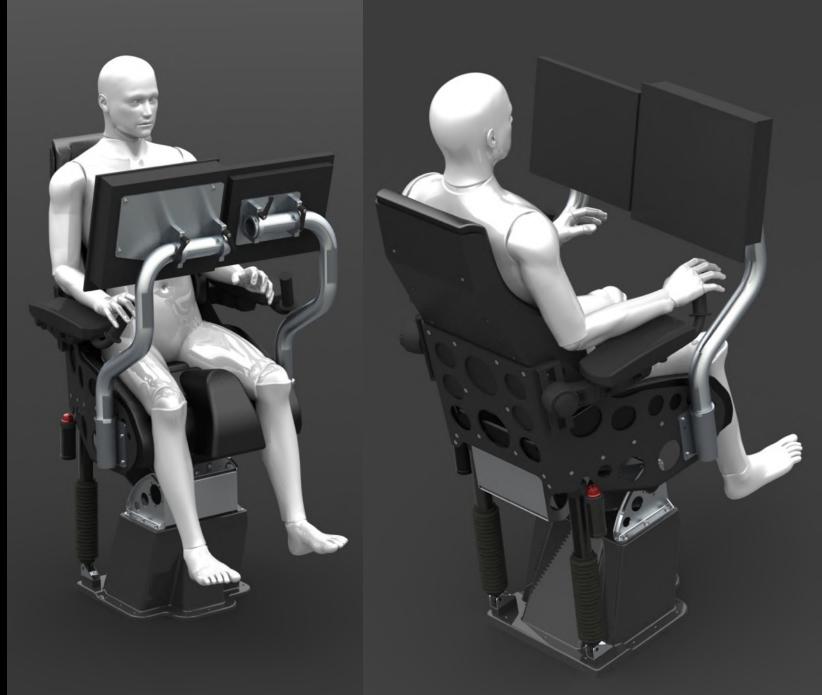






Cockpit Layout Instrumentation

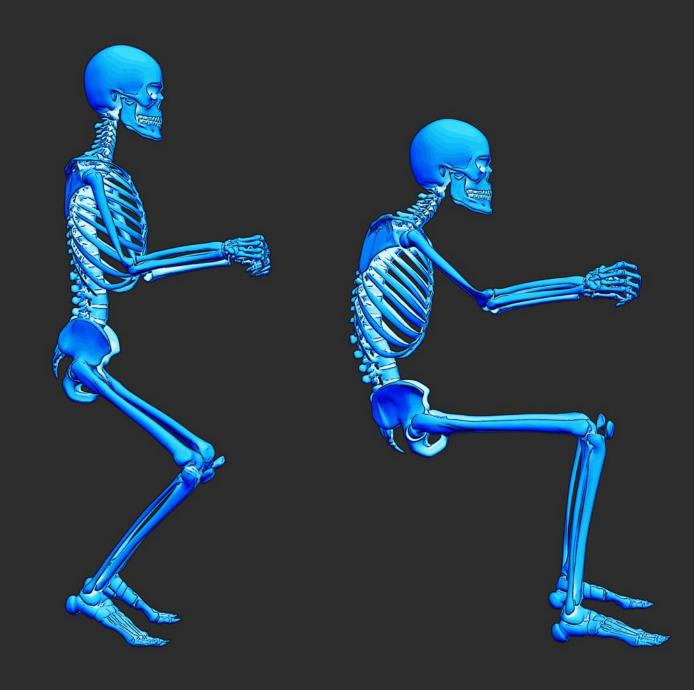
- Display positions
 On dash or seat
- Controls Positions
 - On dash or seat?
 - Touch / Soft touch
 - Remote pad

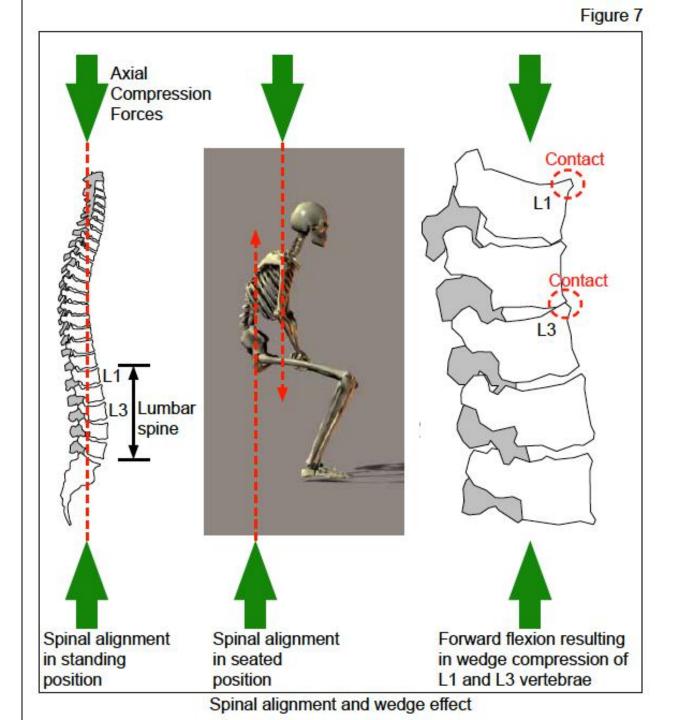


SITTING

THE IMPORTANCE OF POSTURE











STANDING

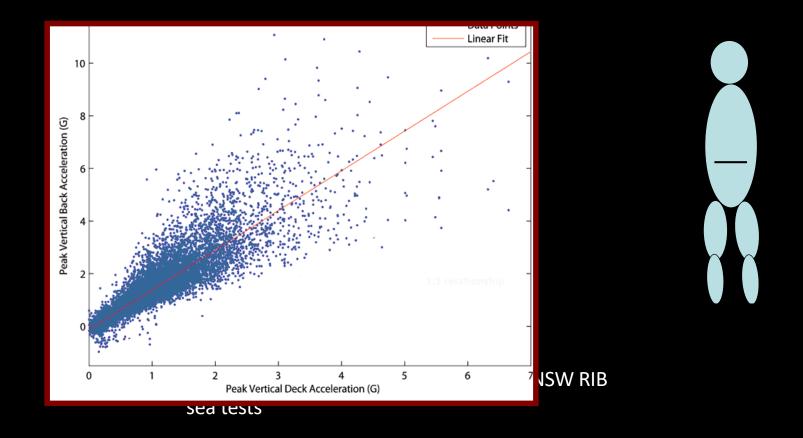
STANDING

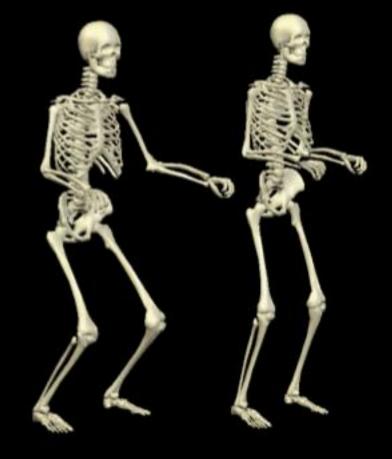
- Don't trust the seat? Can you trust your legs?
- Can't see out?
- Can't reach the wheel / throttle /controls?
- Need to get in and out quickly?
- Does the cockpit design require it?



Transfer Functions (cont)

Deck-to-L4 Standing Transfer Function

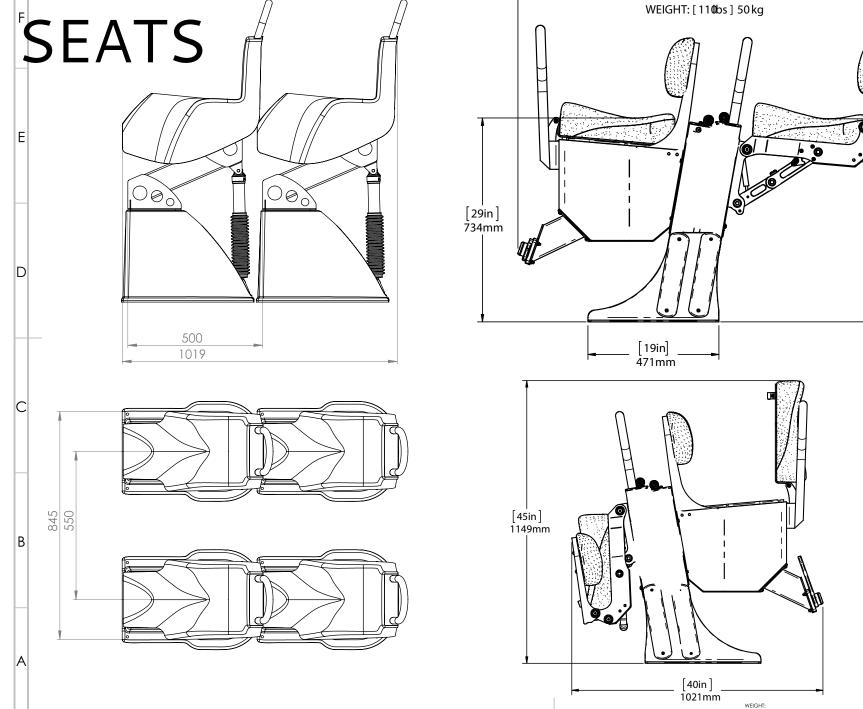






SEATING FEATURES

FLIP-UP SEATS

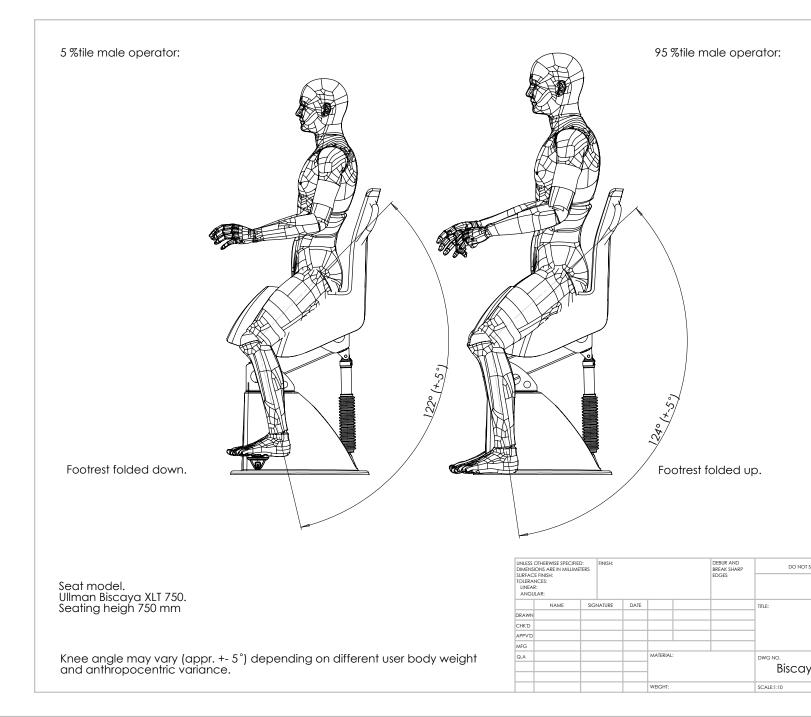


SCALE:1:10

[29in] 731mm

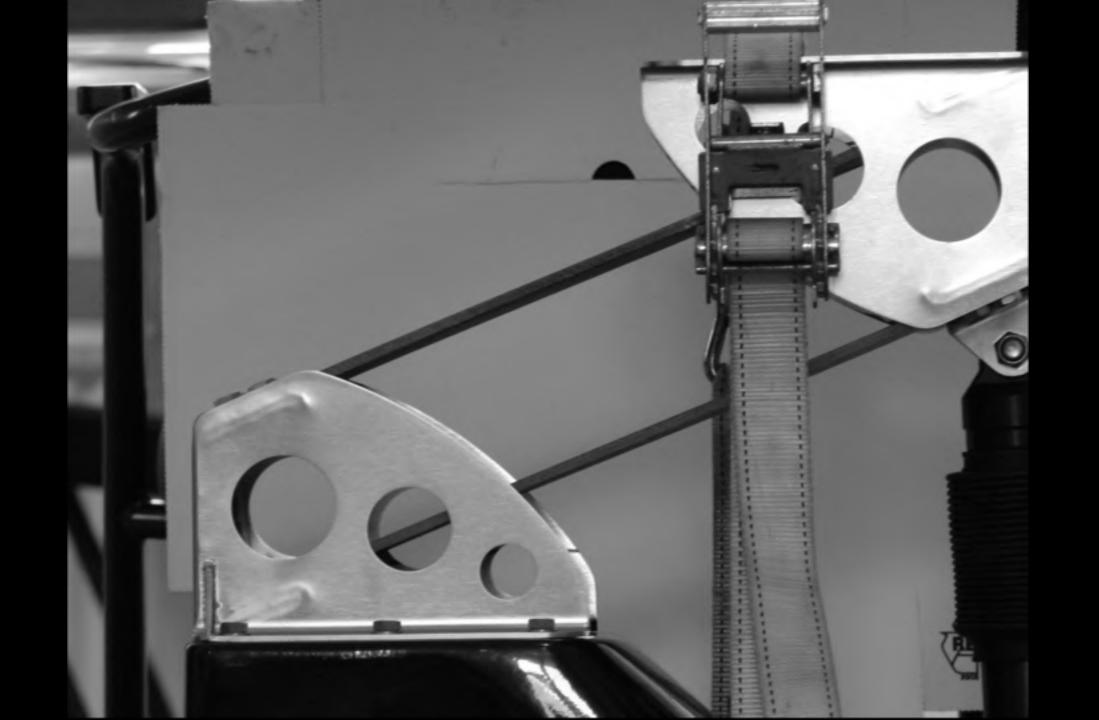
Height Adjustment?

Stroke?











INFORMATION