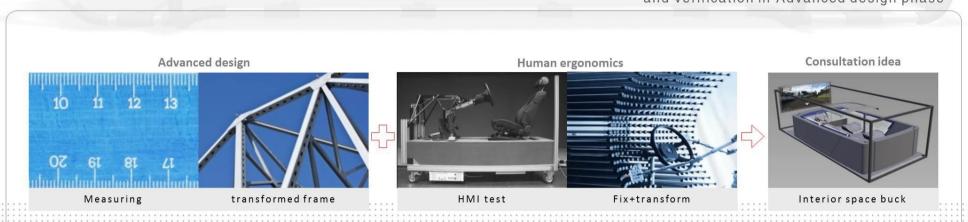


# Communication

- A Study on Optimization of Interior Space Considering Human Engineering
- Ergonomic optimization model considering convenience/ Maneuverability/visibility considerations
   Flexible interior sitting buck fits to review vehicle type package

Human Engineering Verification Tool for easy changing and verification in Advanced design phase





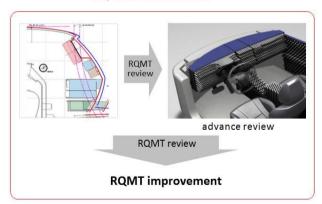
### New concept proposal using SB

new package proposal after review of design concept styling



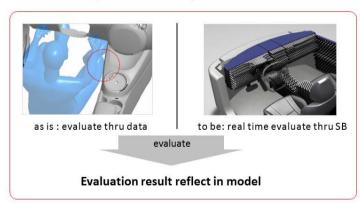
#### RQMT validation in early stage

early RQMT advance review



# Evaluation of Project Critical Issues / Establishment of improvement plan

Quick assessment of key issues after 1st evaluation



#### Existing sitting buck









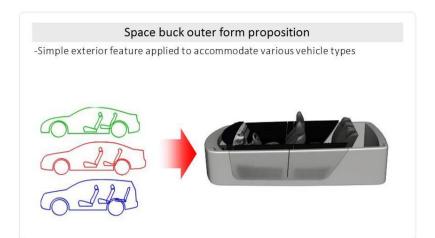
- package changes

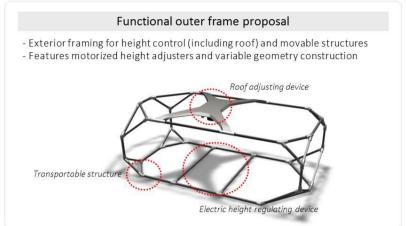
- adjust hard point
- adjust roof position
- detachable pillars - visibility test
- complicated structure
- existing EXT/INT parts installed











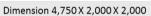
- Basic
   A Study on the Analysis of Spatial Configuration of a New Concept
  Based on the Analysis of Traditional sitting Architecture
   Structural Performance of transformable Buck by means of a variety of vehicle variants



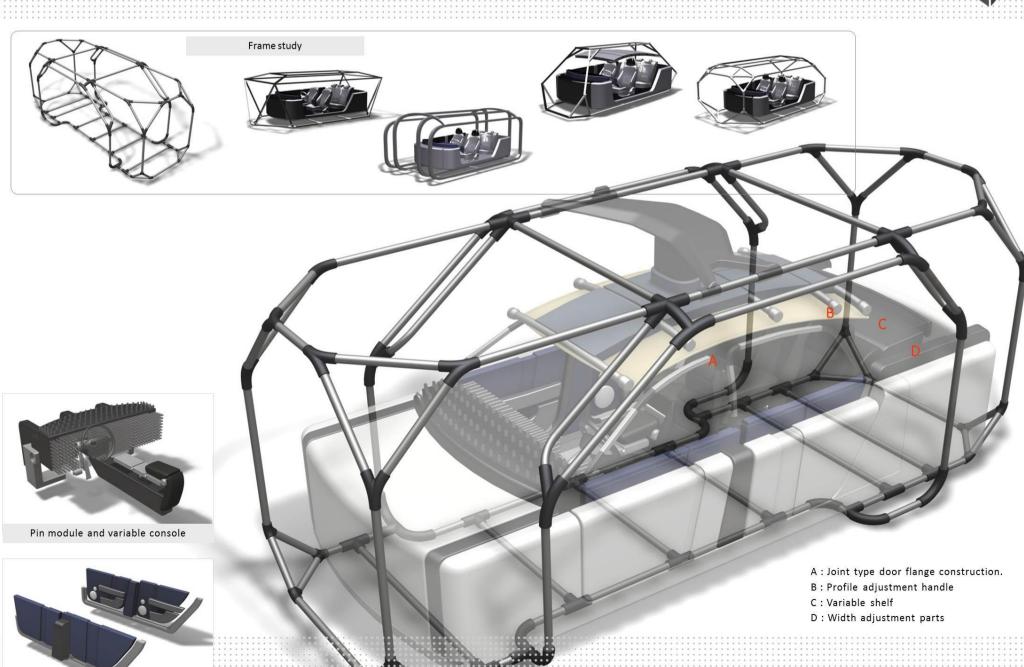


Sliding Variable Door Structure



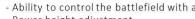


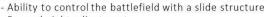


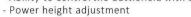




Adjust according to vehicle type guides

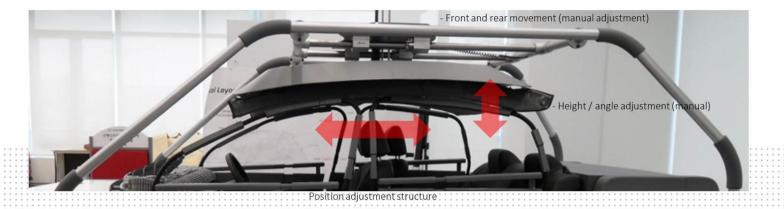










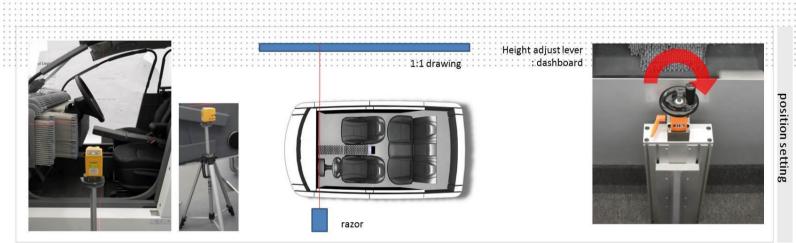




OAW



Power height adjustment controller





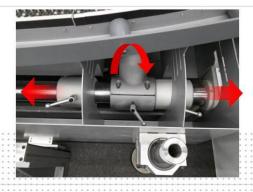
Driver position - Position setting - Seat setting - S/WHL, Pedal setting







-adjustable position





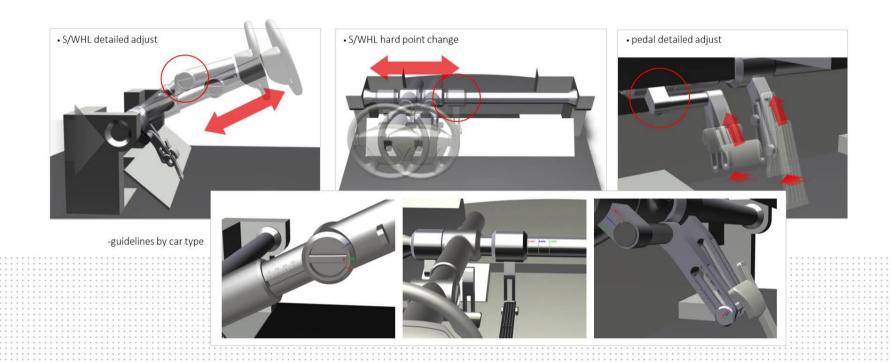
-adjust pedal position -guide line setting

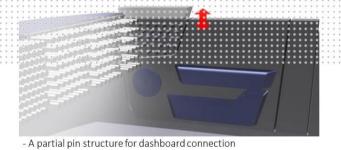


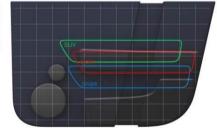


# S/WHL assembly structure

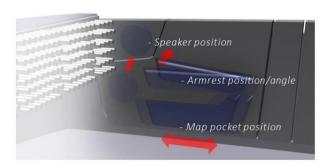
- A Study on the Structural Model by S/WHL, Pedal Structure

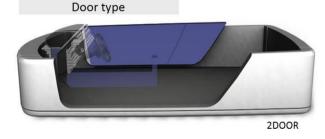


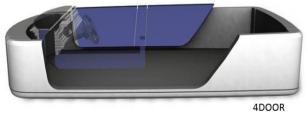




guidelines and grids for each type of vehicles on the door panel

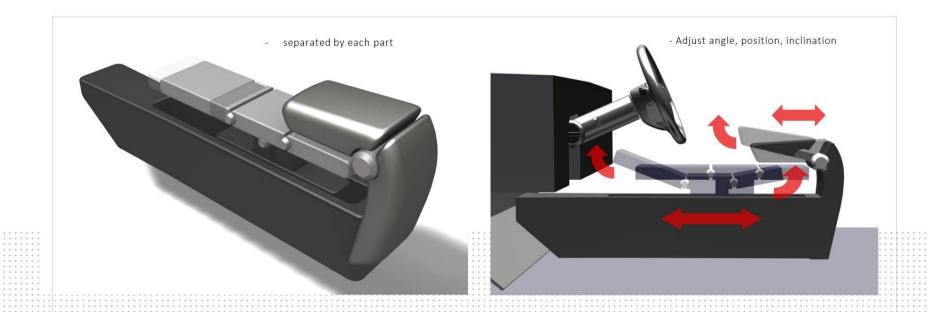






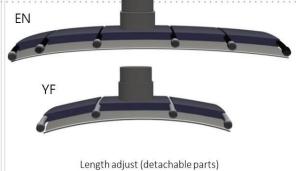
## Door panel / Floor console structure

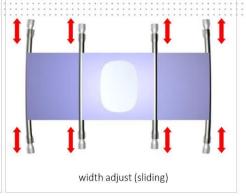
- Fully adjustable components















-sun roof position

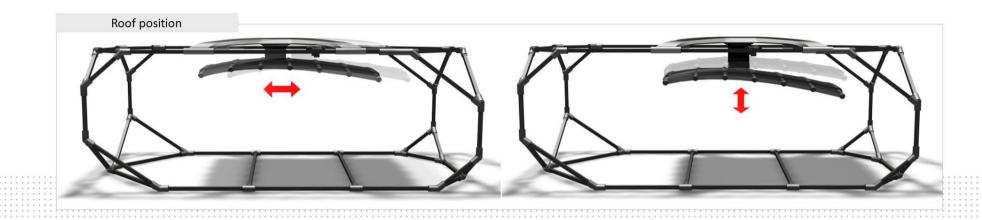


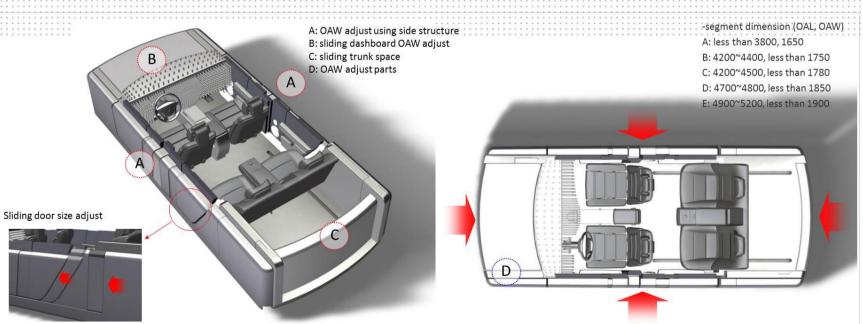


- Headliner components position

### **Roof structure**

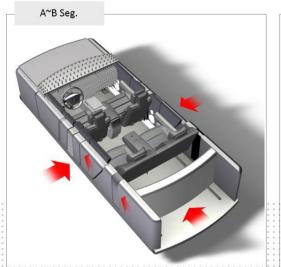
- Interior headliner setting

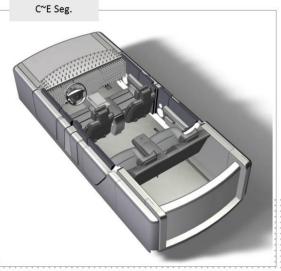




# Transformable structure

- Covered full segments









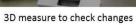






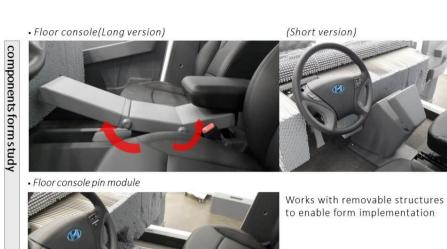


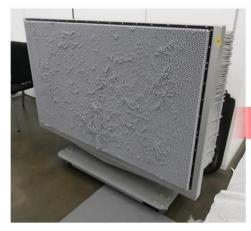




Guide section gauge to embody a form

- To study shapes (dashboard, door trim)
   Adjustable section gauge to guide a basic shape
   Door sized pin module



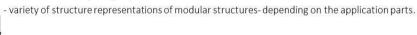


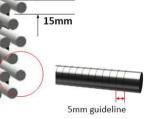


Construct a pin module molding using the vehicle exterior gauge when considering the door review

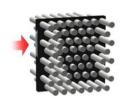




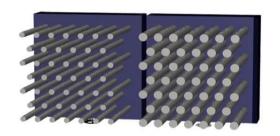




Manually implemented



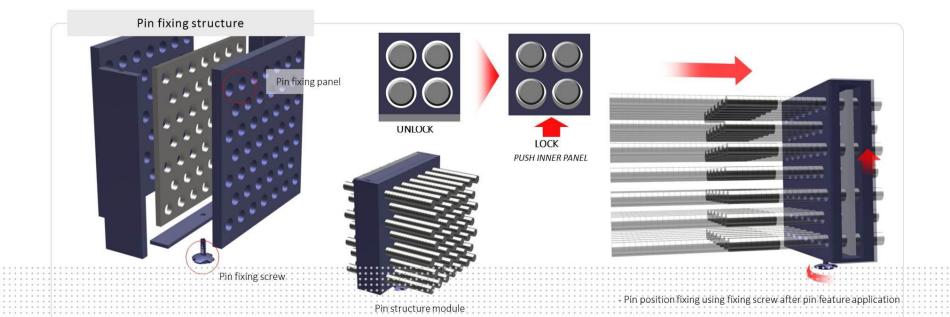
Pin fixing after feature application



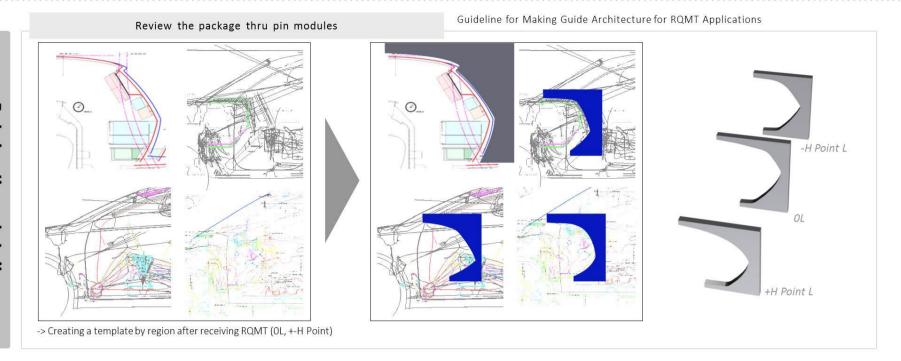
- Pin module dualize (pin diameter, distance) by application area
- Test module for evaluating (pin diameter 5 mm, 10mm)

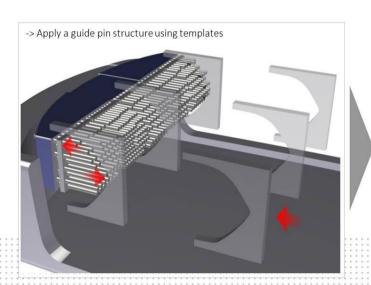
### Pin module

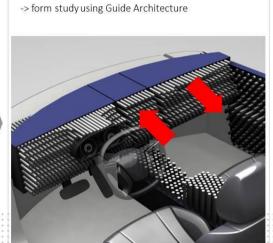
- Free Design Study Using pins

















Pillars & Open'g Flange







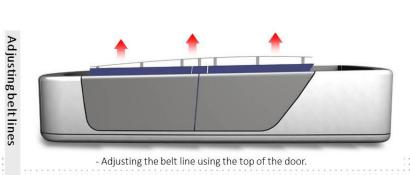


3rd row seats available when applying SUV models in a sliding structure

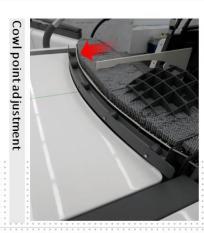


- Adjustable position change of speaker, arm rest, etc - Guide mark by car type

- Use the adjustable 'Jabara' structure to position the A-pillar position and forward view.
- Extended joint construction to enable opening flange implementation > stability







Adjust the position of the front view by adjusting the location of the cowl point

