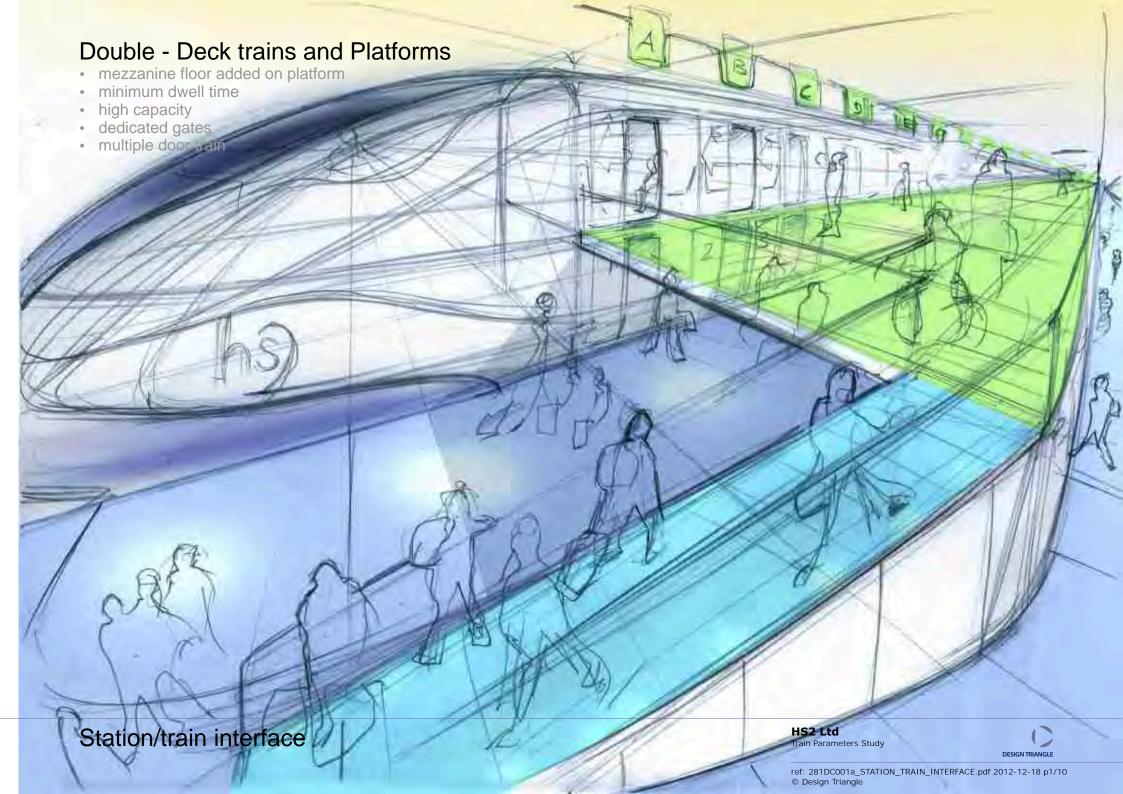
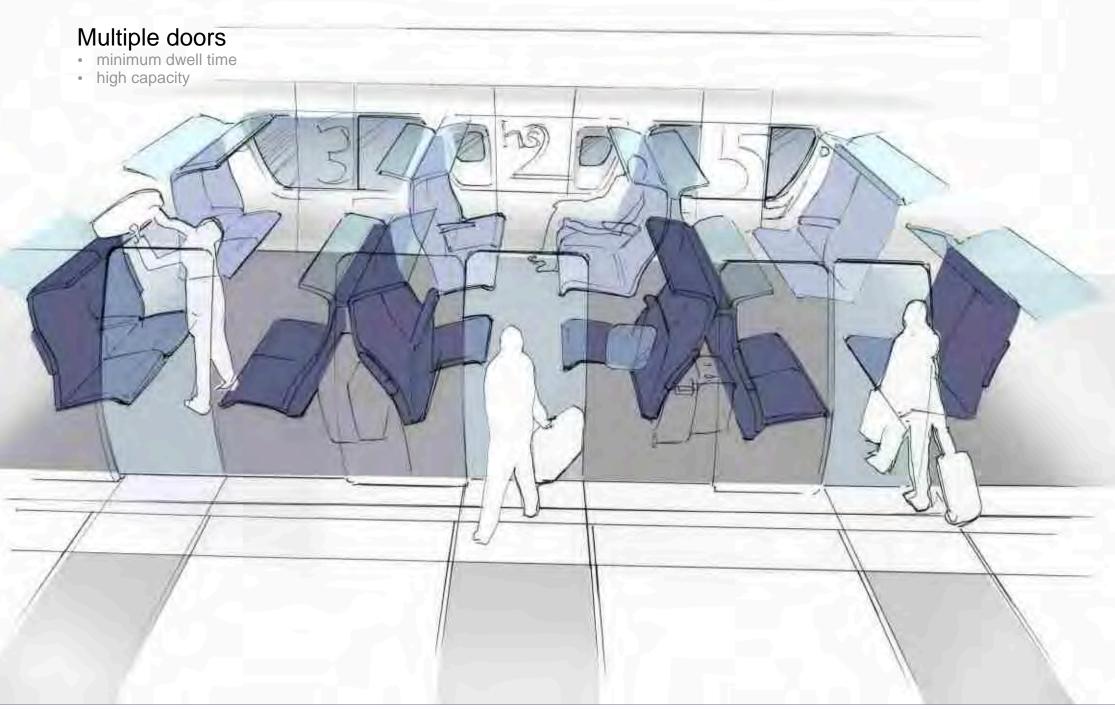
ANNEX A – CONCEPT SKETCHES

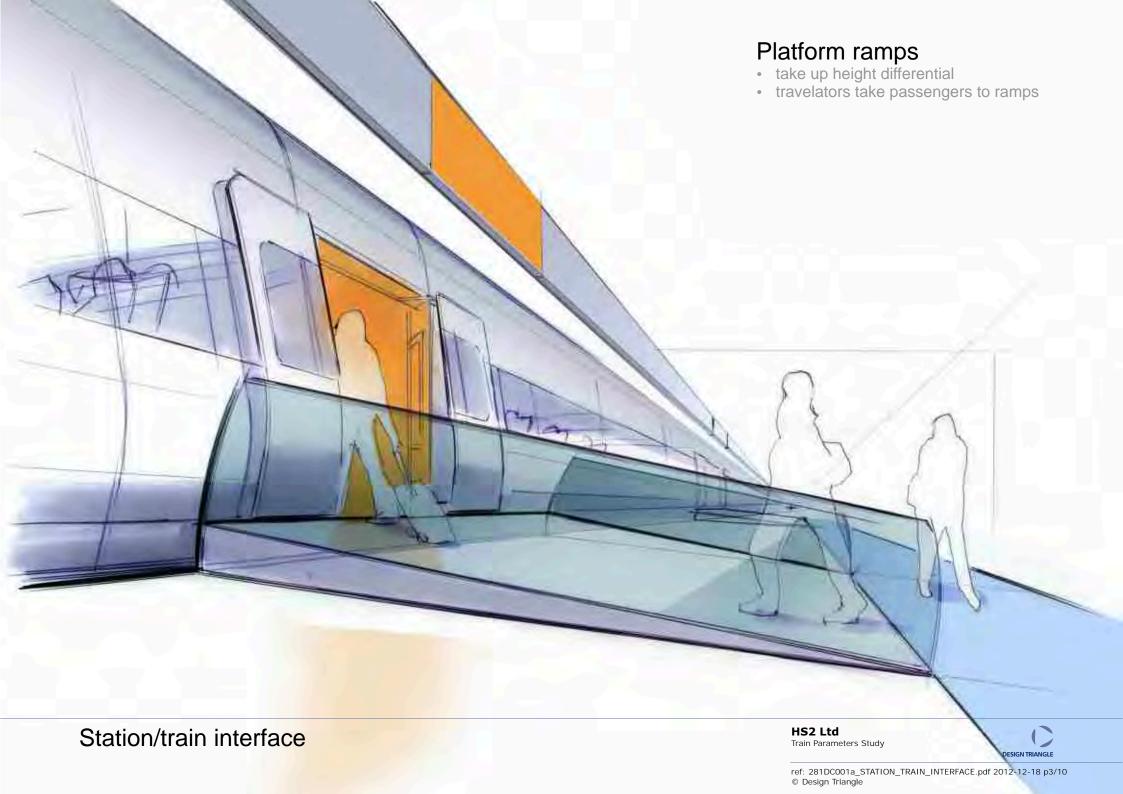
- 281DCoo1a_STATION_TRAIN_INTERFACE.pdf
- 281DCoo2d_INTERIOR_IDEAS.pdf
- 281DCoo3a_EXTERIOR_IDEAS.pdf
- 281DC004a_SEATING_IDEAS_MISC.pdf
- 281DCoo7a_EXTERIOR_DEV.pdf
- 281DCoo8b_BRAND_POSITIONING_DRAFT.pdf
- 281DCo12a_EXTERIOR_HERO_DRAFT.pdf
- 281DCo13a_INTERIOR_OPTIONS.pdf
- 281DCo14a_CATERING_IDEAS.pdf
- 281DCo19a_ZONES.pdf
- 281DCo2oa_SEAT_MISC.pdf

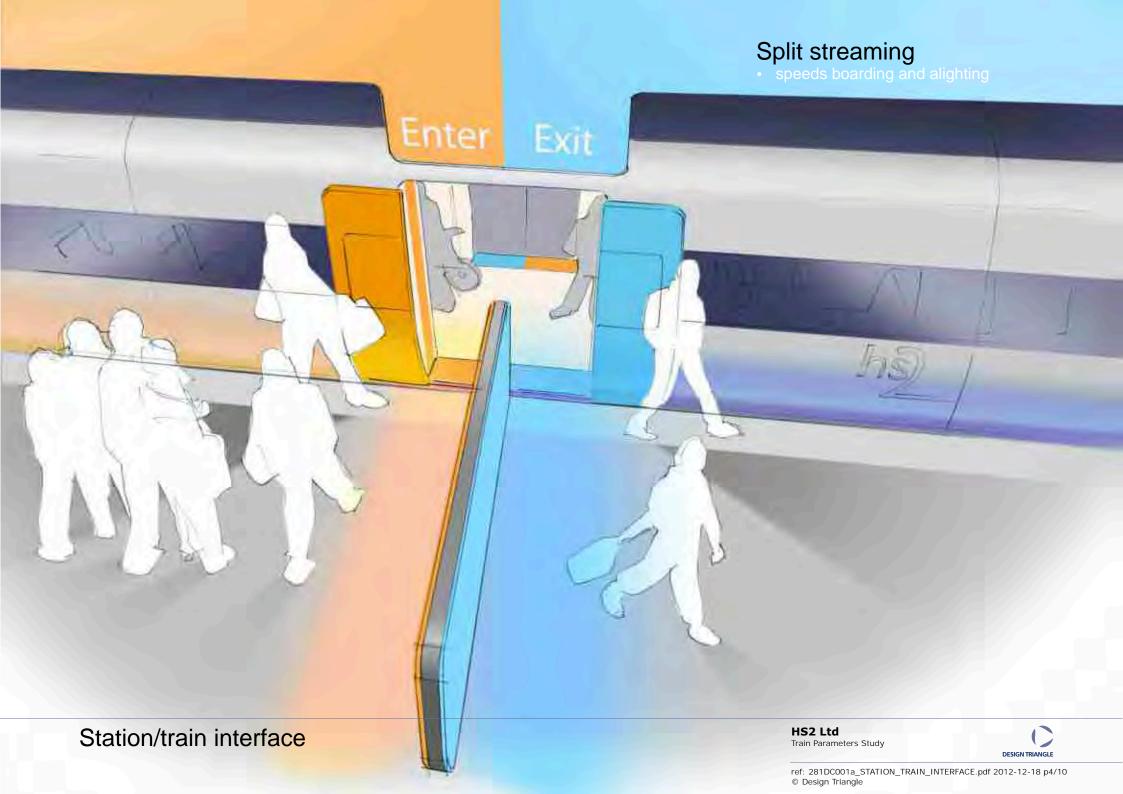


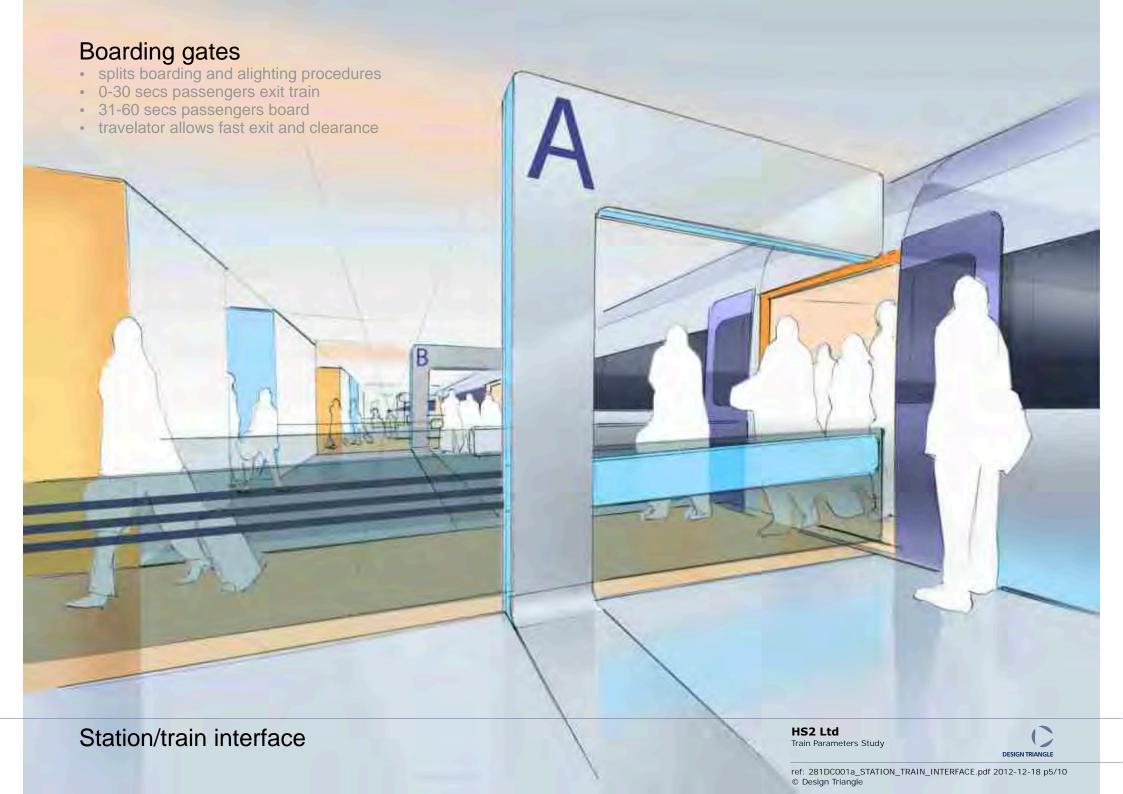


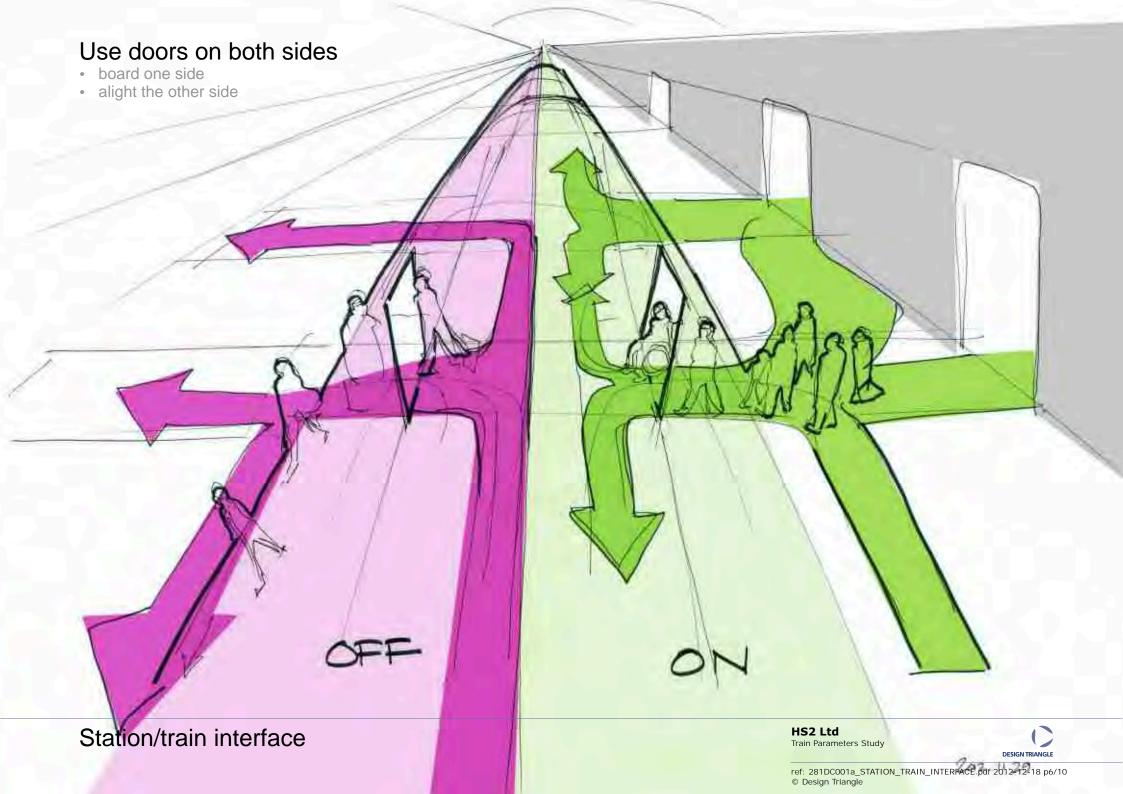
Station/train interface

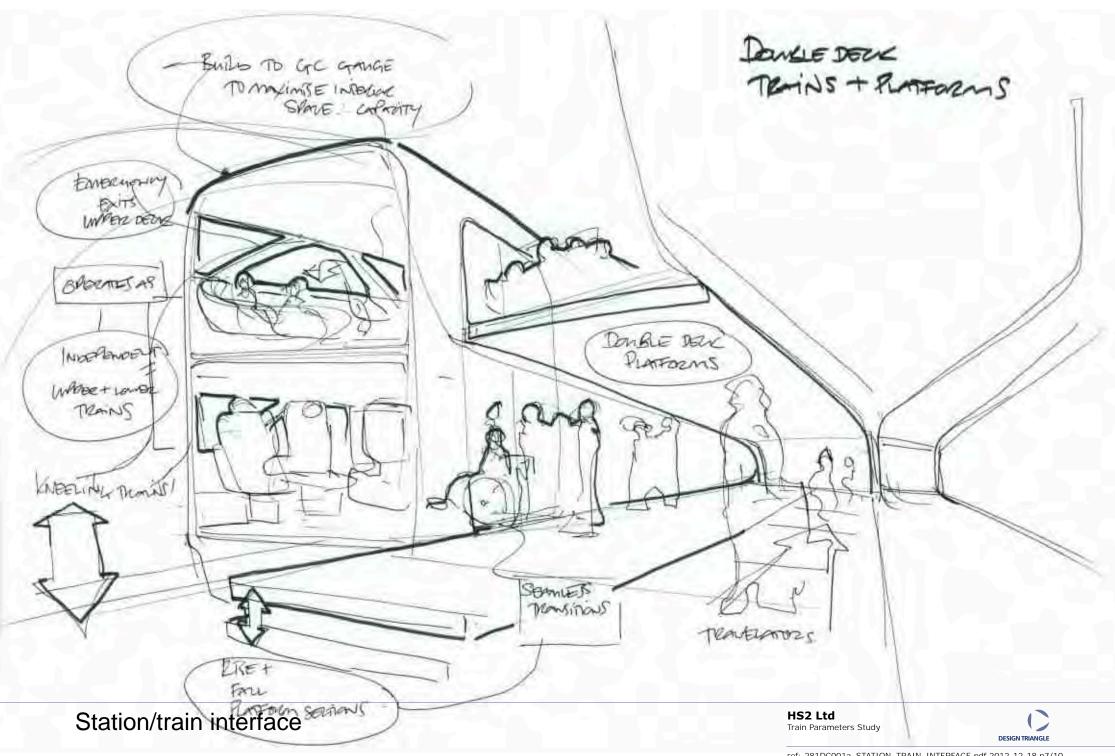


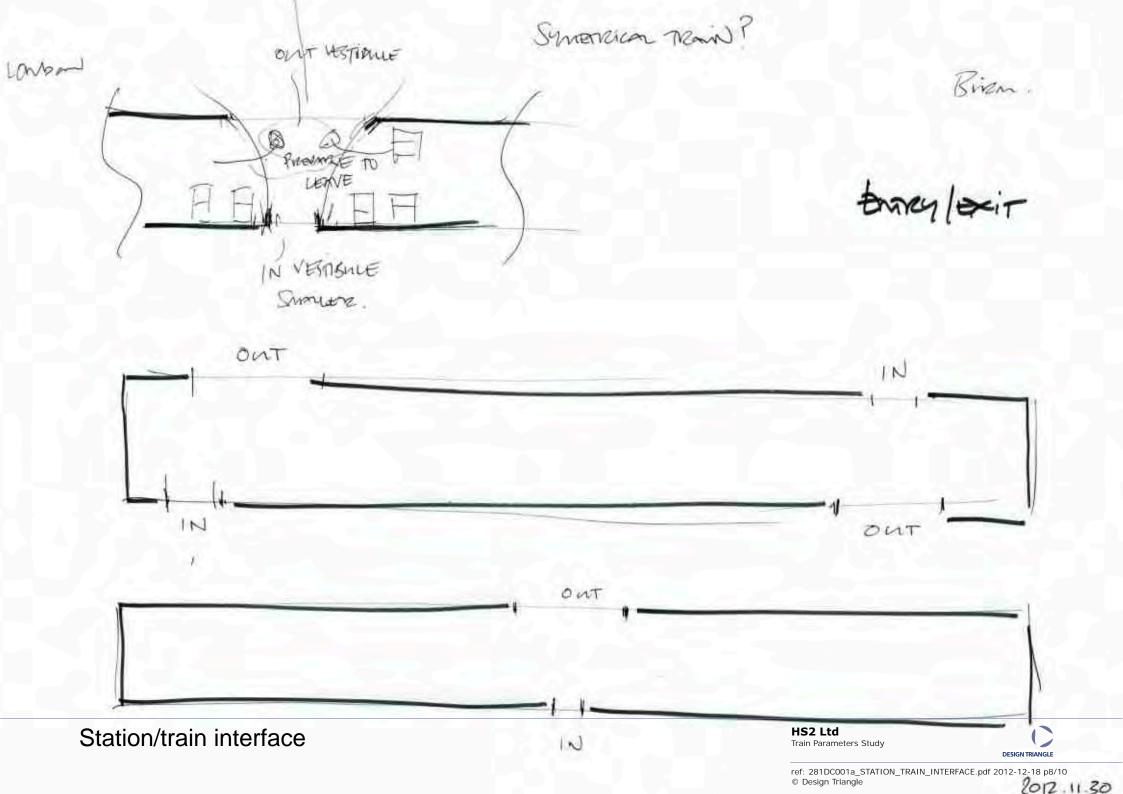


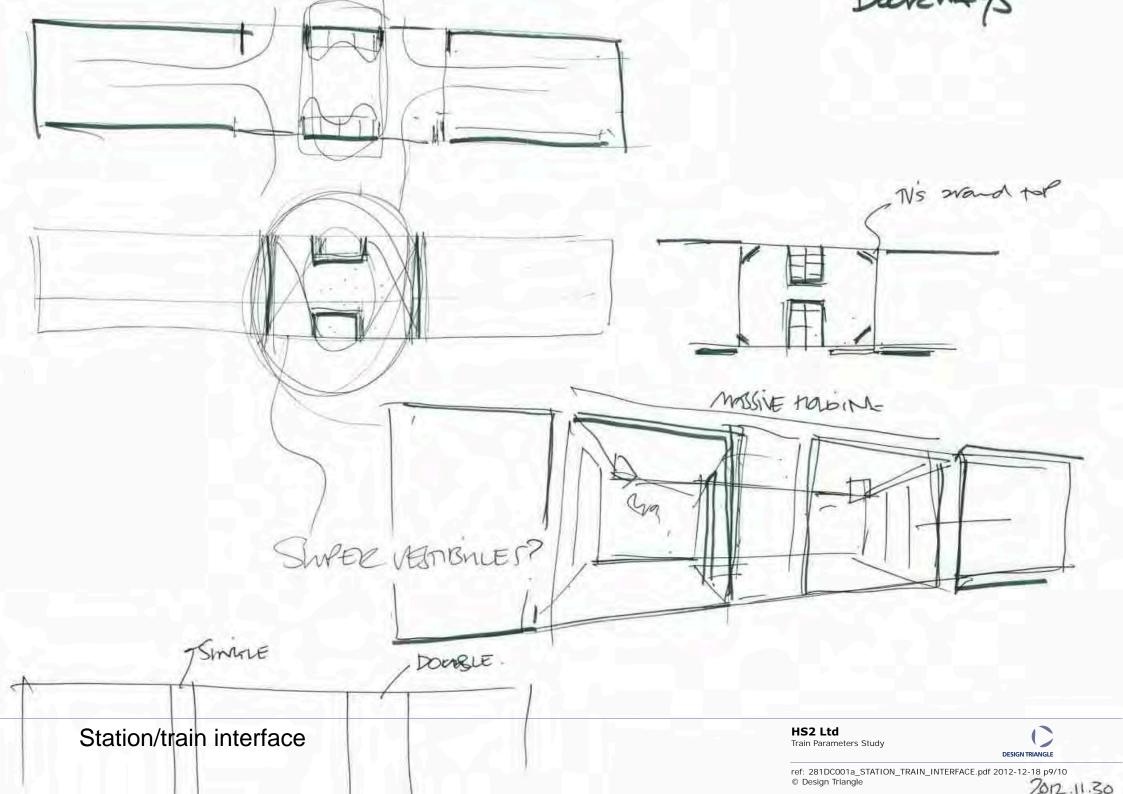


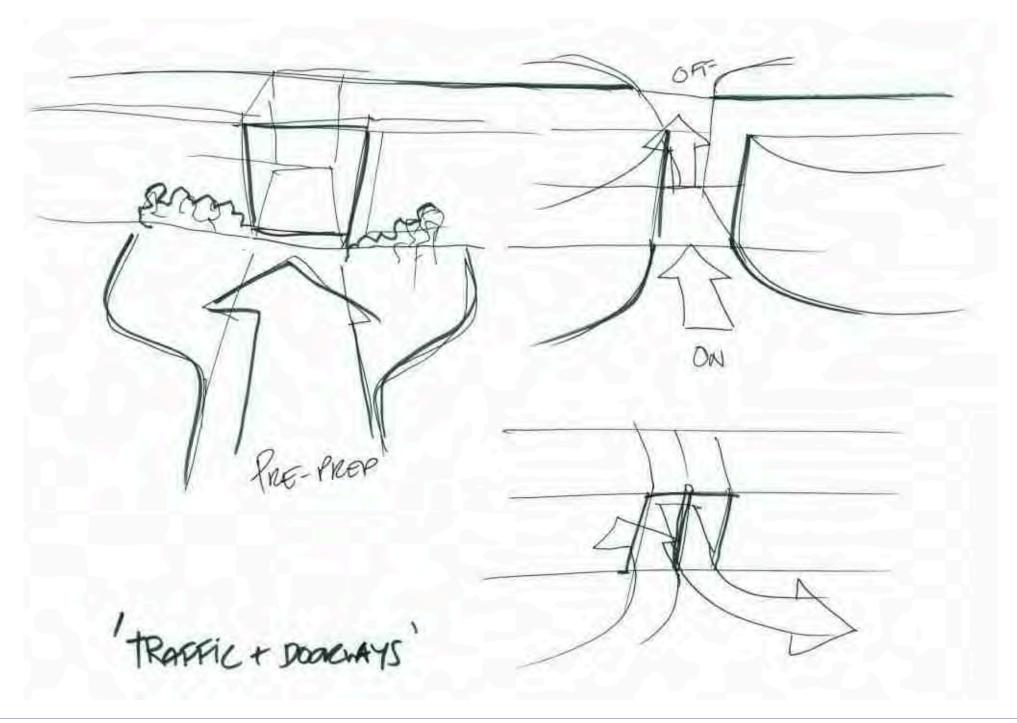










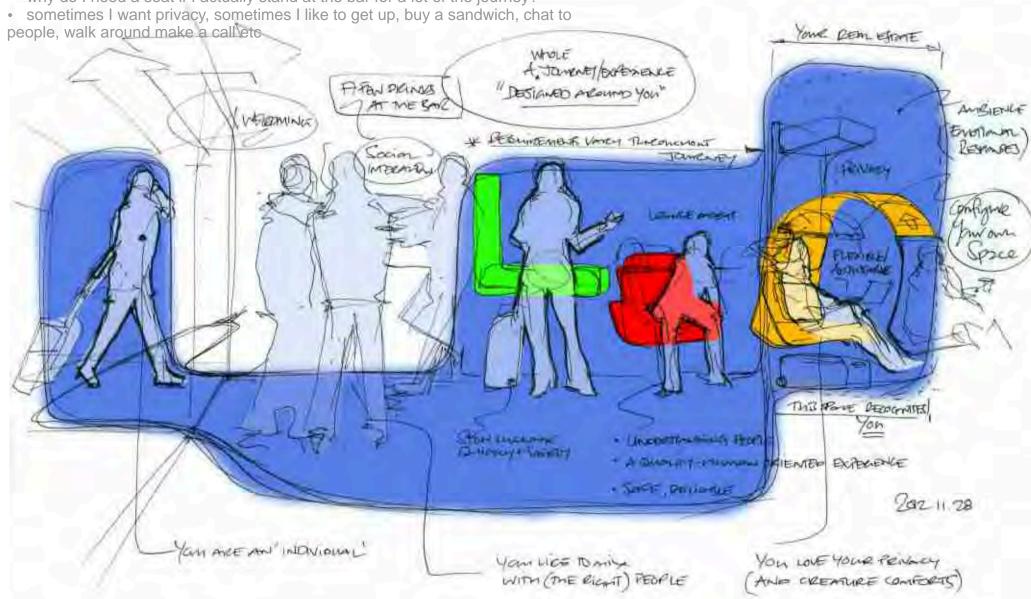


Station/train interface



Your requirements vary throughout your journey

- · Create a whole journey experience 'designed around you'
- · why do I need to stay in one place?
- why do I need a seat if I actually stand at the bar for a lot of the journey?

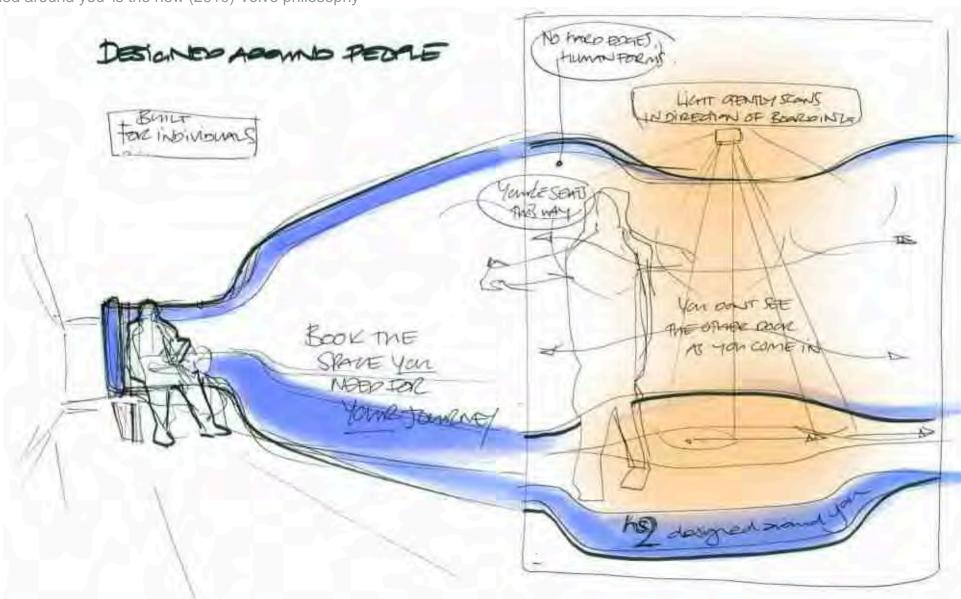


Interior ideas



hs2 'Designed Around People'

- built for individuals
- book the space you need
- 'designed around you' is the new (2010) Volvo philosophy



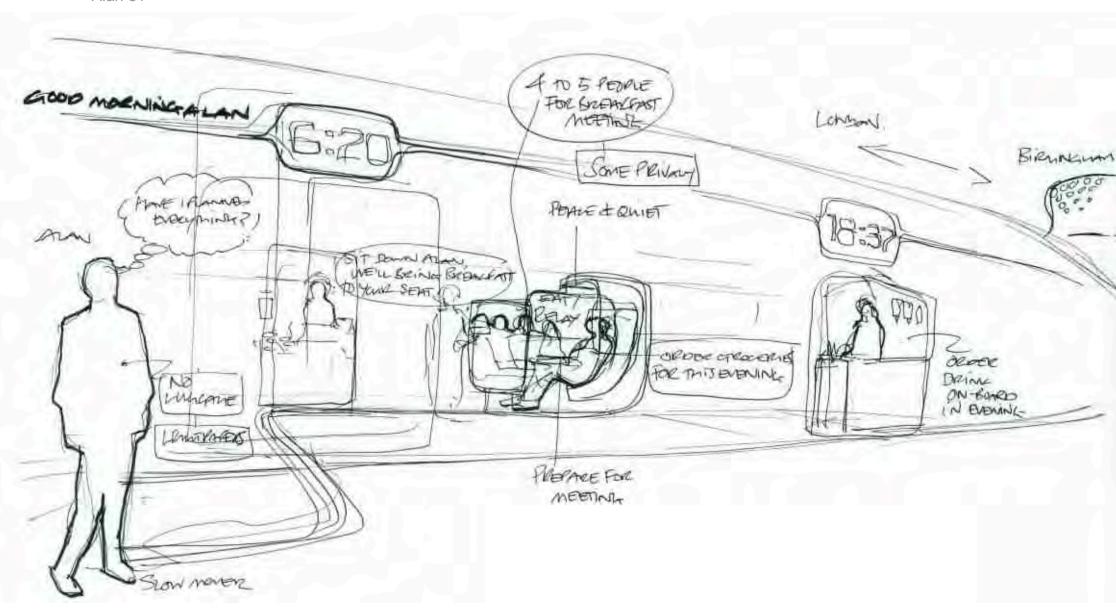
Interior ideas

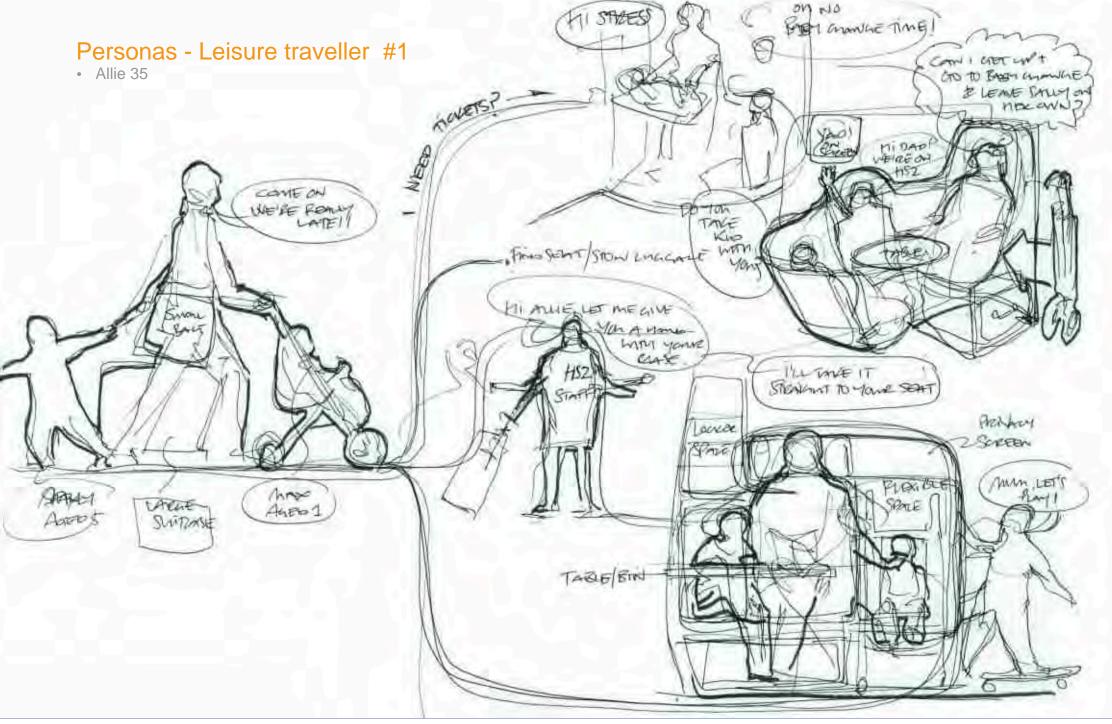




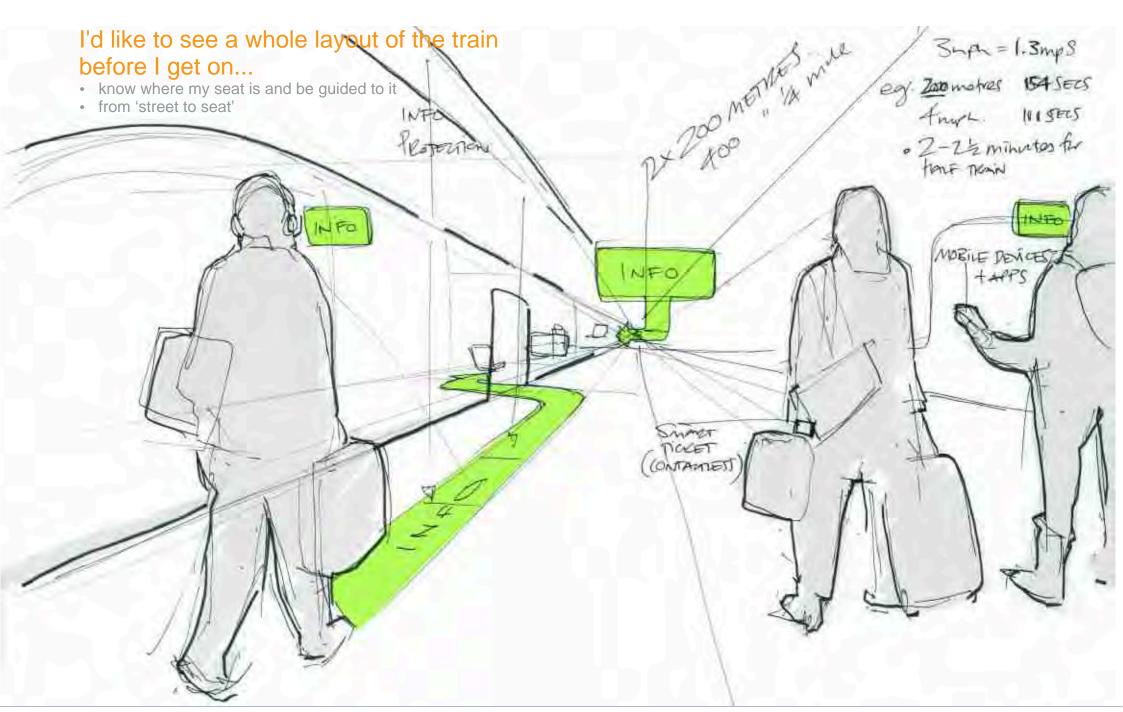
Personas - Daily Commuter #2

Alan 61

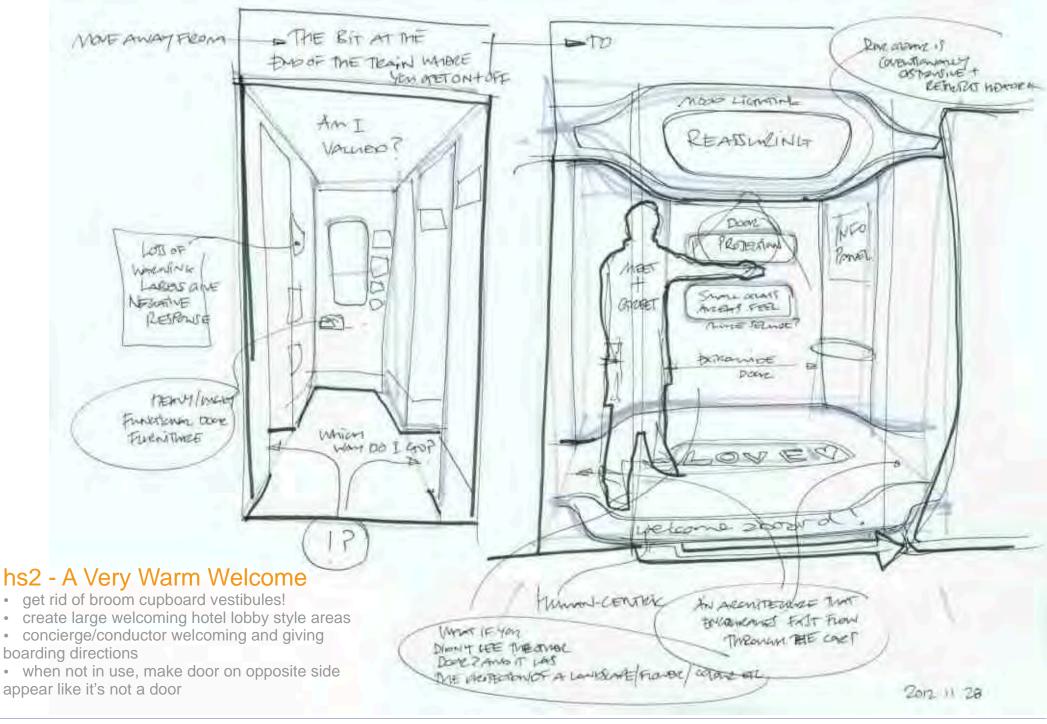




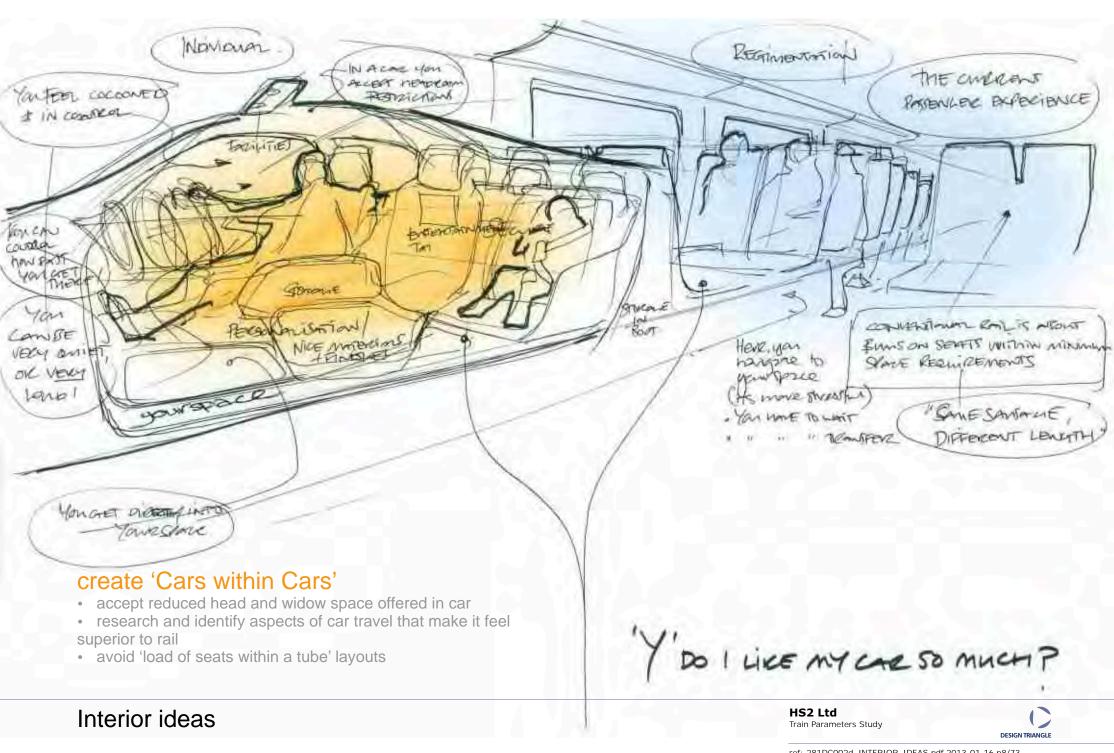


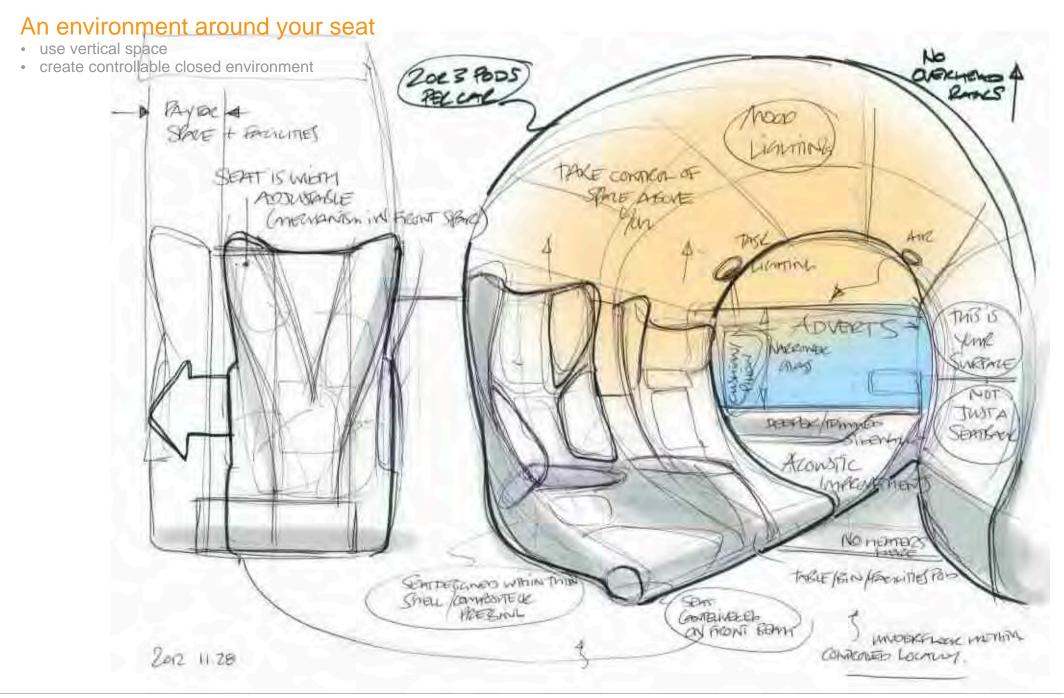












Configure your own space'smart windows' become a control

surface while still allowing vision out

 smart table surfaces allow passengers to configure their own environment, 'throw' communal messages up on windows and create group experiences with other passengers

 seat cushion flips up to allow easy access to luggage under seat -

luggage locking

integrated table bins

 luggage between seat backs with 'in use' indicator

· lightweight, sculpted seat

construction

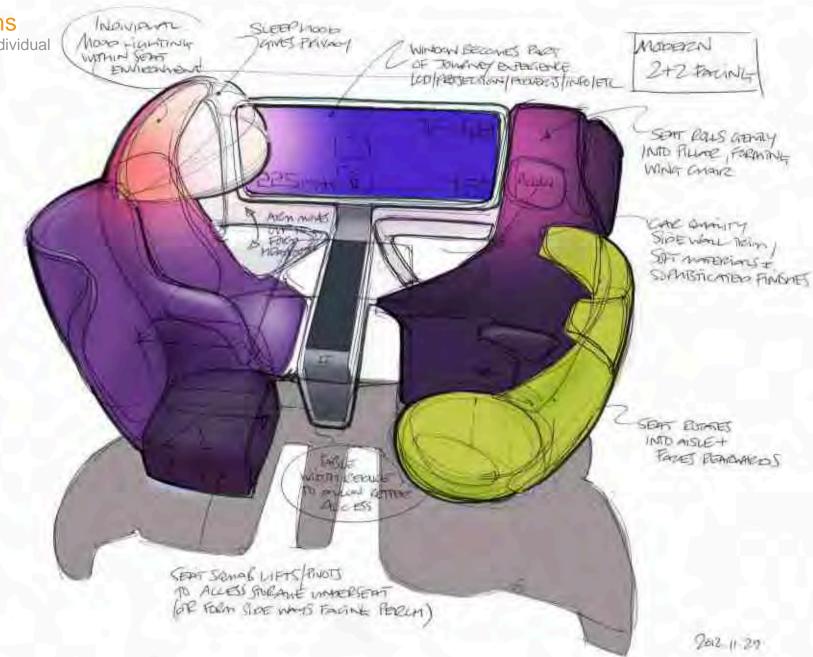


Interior ideas



A Modern Look to Traditional Solutions

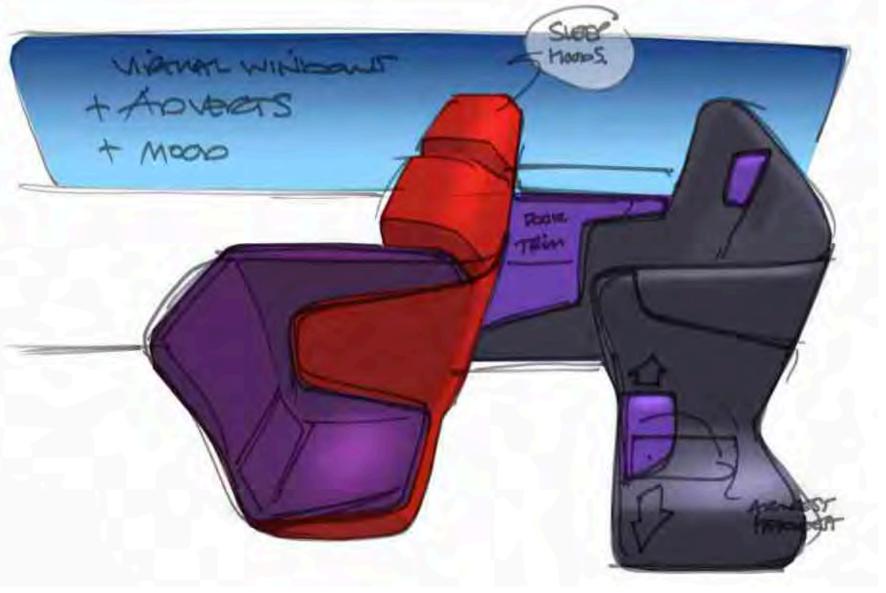
making vis a vis seat bays individual





Multi-directional seats

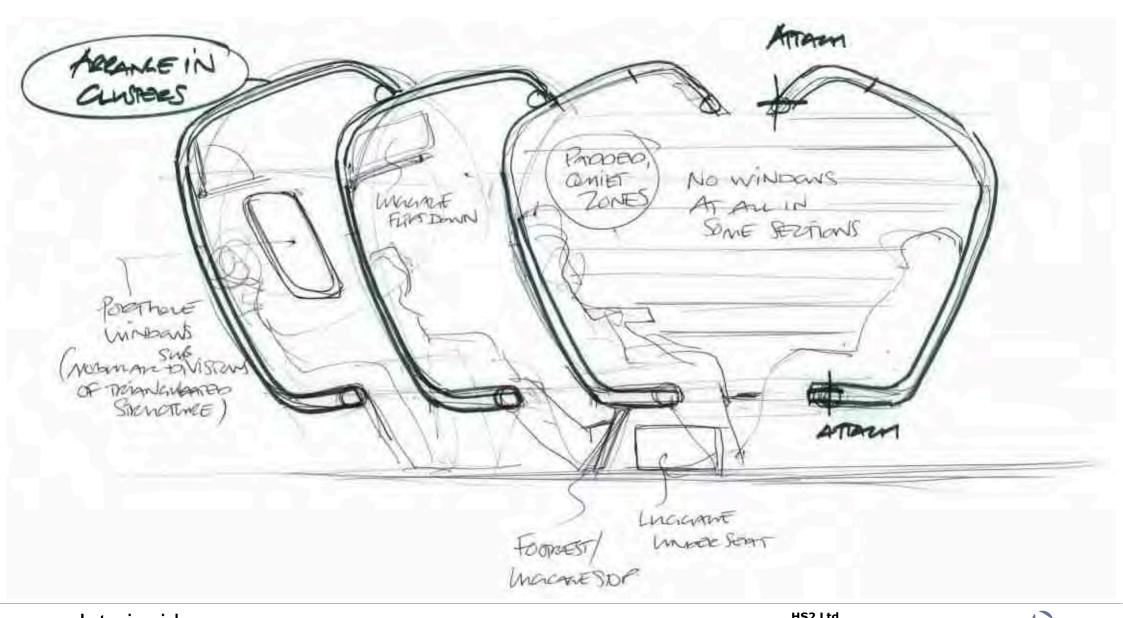
- makes 3+2 more useable
- sleep hoods
- · car quality 'door trim' sidewalls
- virtual windows
- bold colours
- non-corporate
- non-uniform
- individual
- adjustable
- flexible
- re-configurable
- soft
- cocooned
- safe





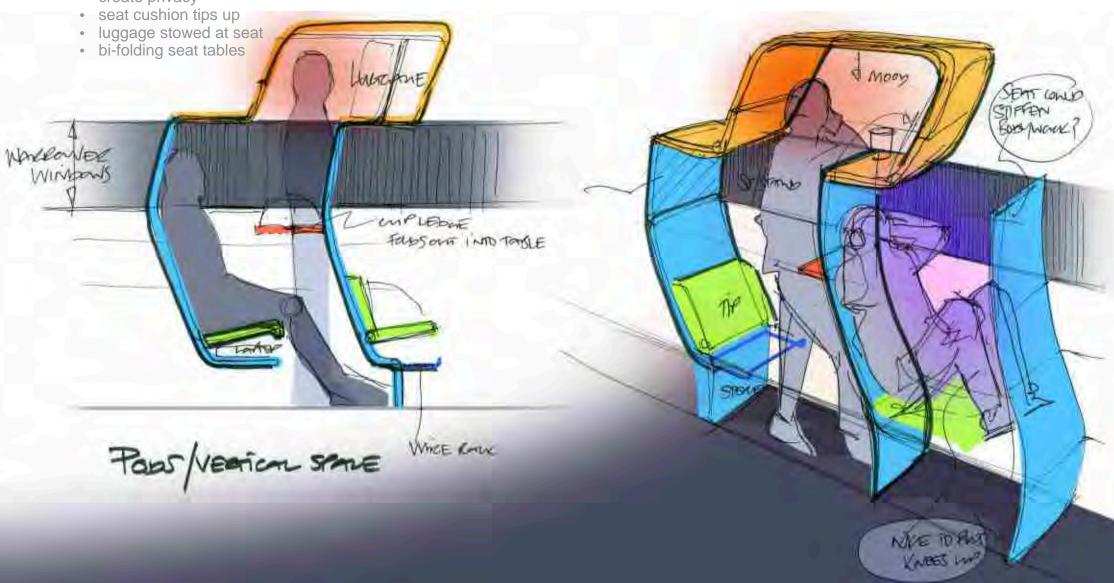
An environment around your seat

- · use vertical space
- create controllable closed environment



Pods around seats

- · utilize vertical standing space
- create privacy





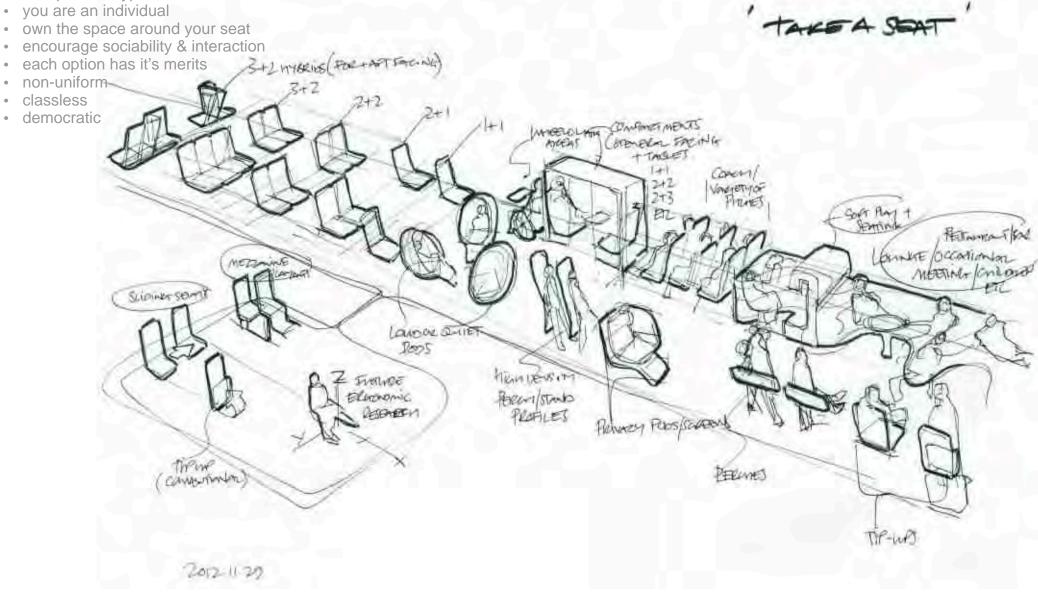
Mixed use seating

- task based layouts
- multiple seat types
- own the space around your seat

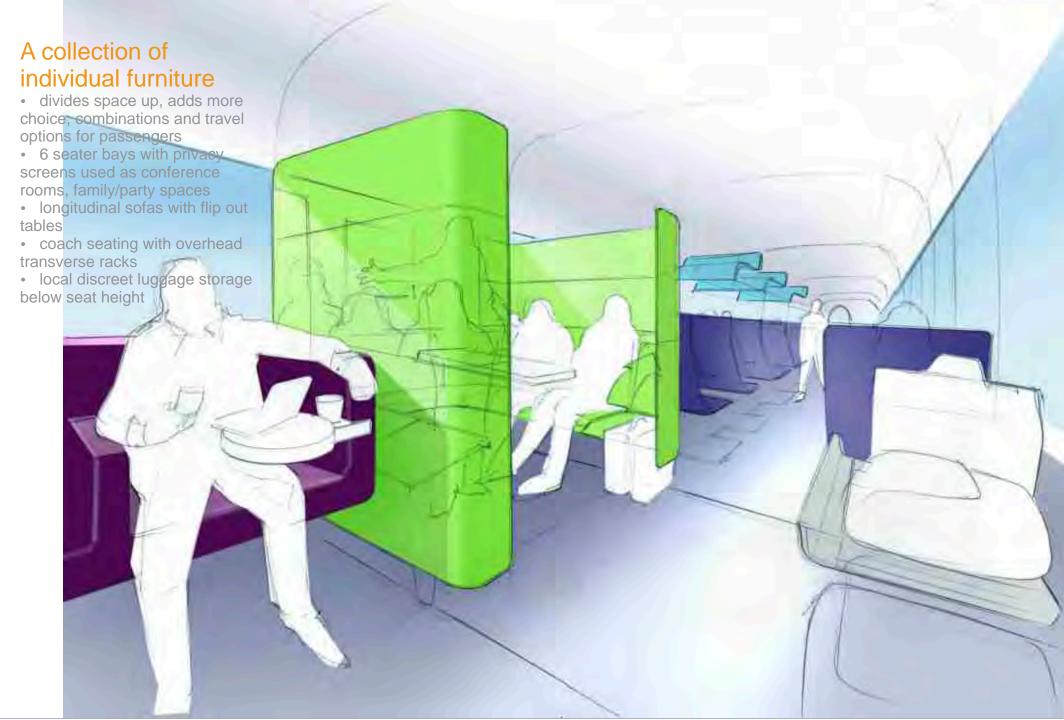




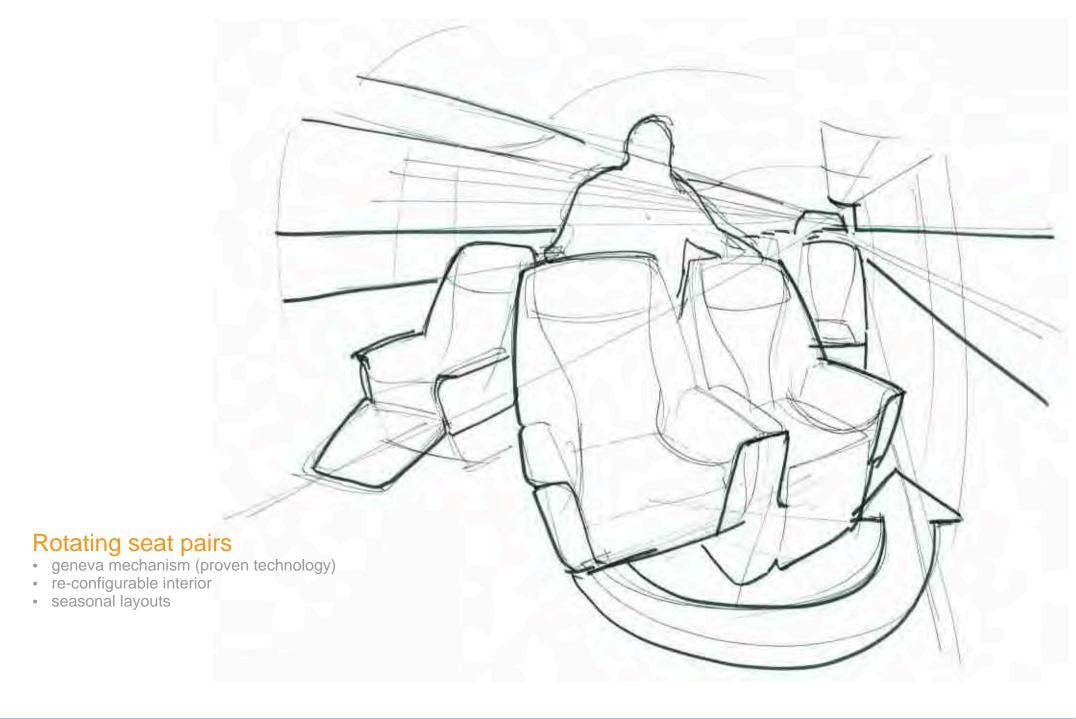
classless







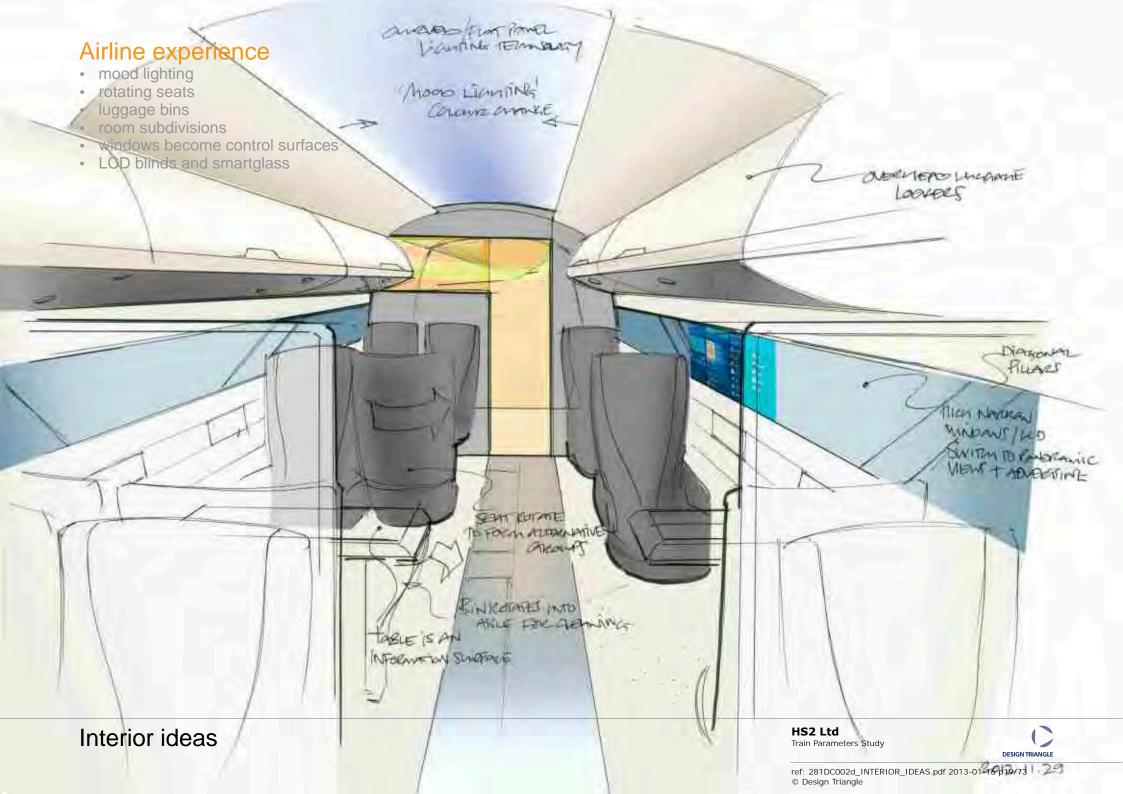


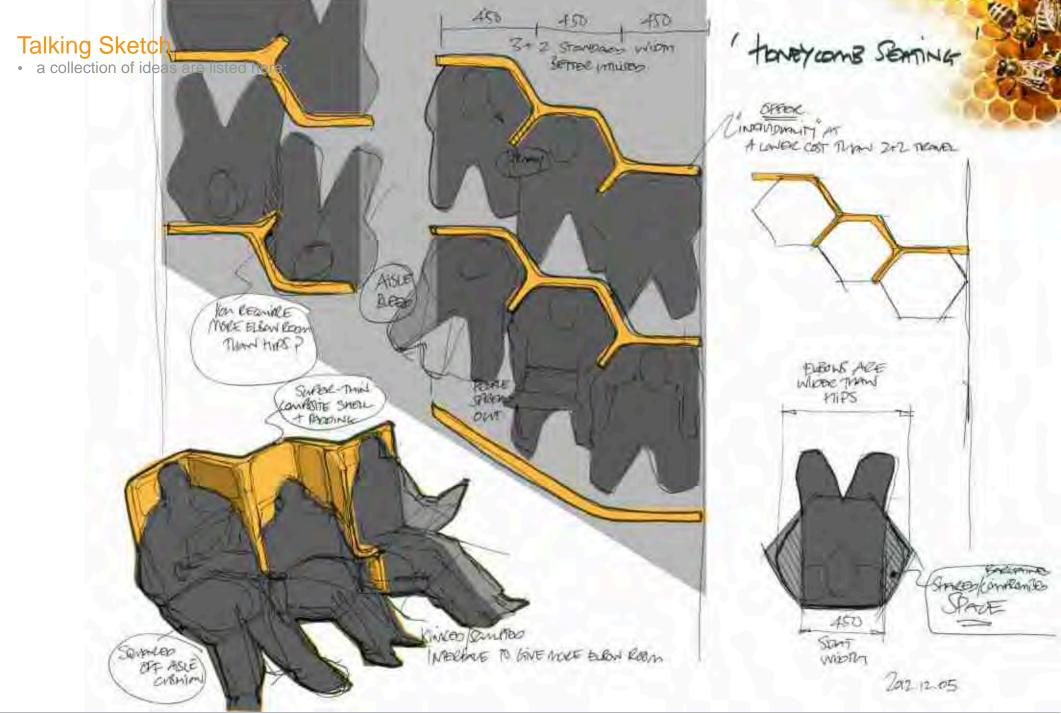








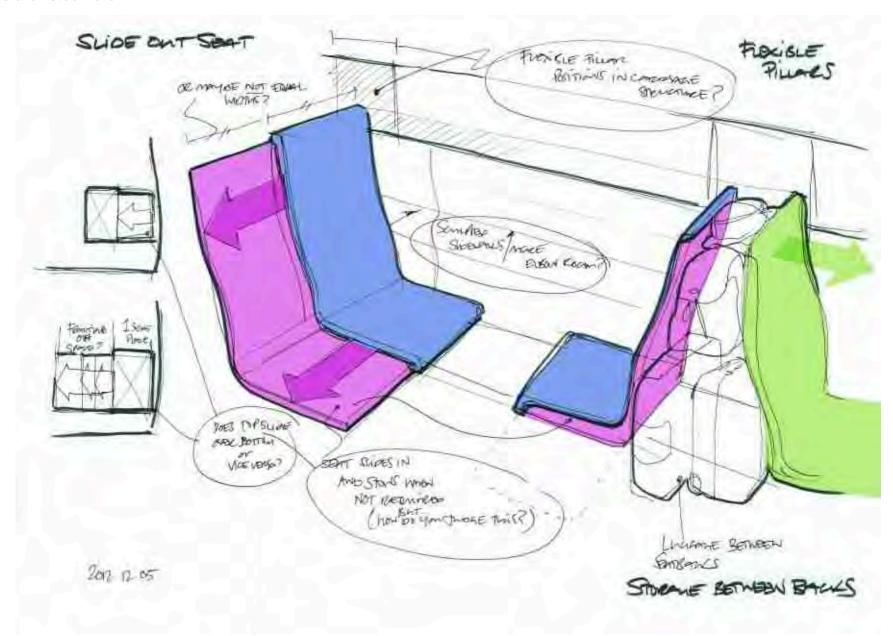


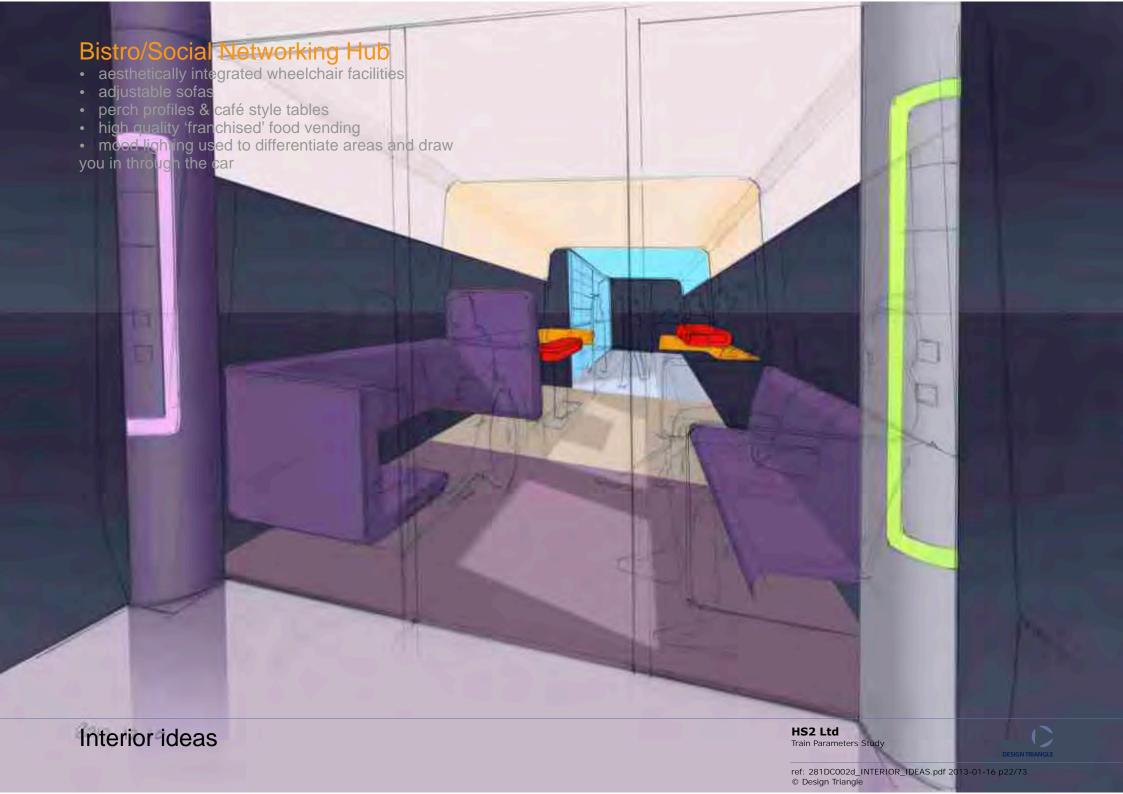


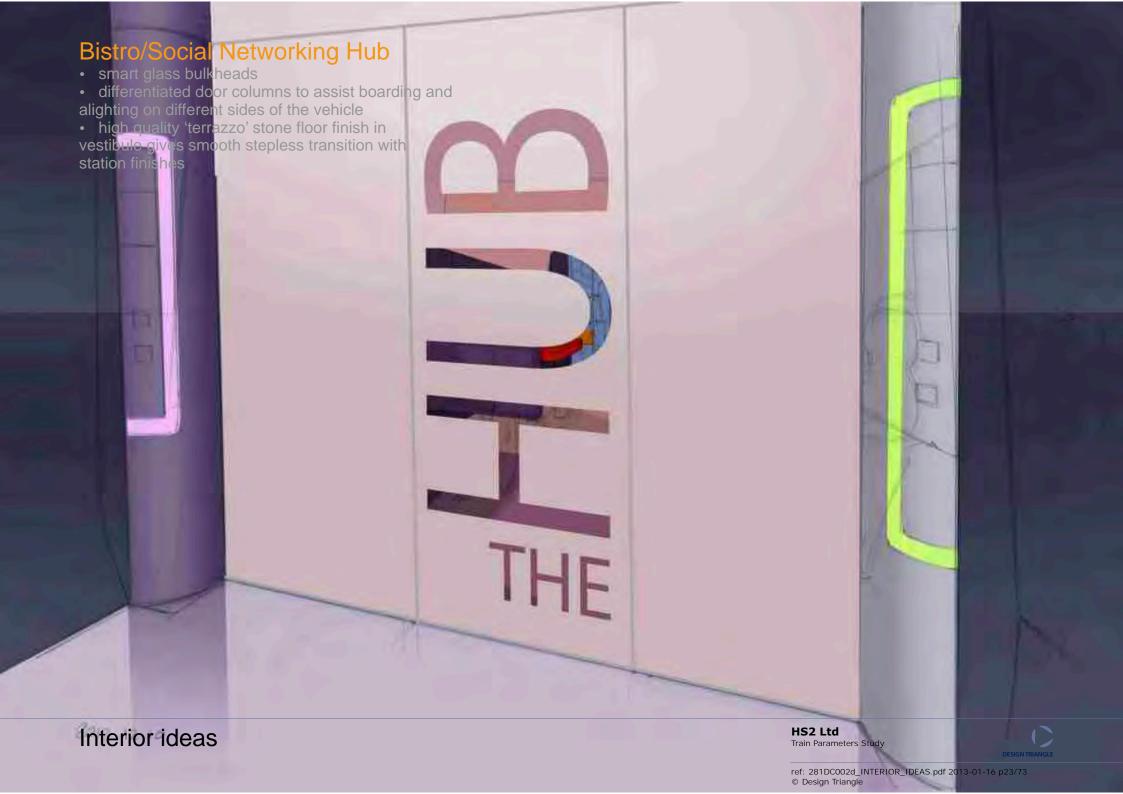


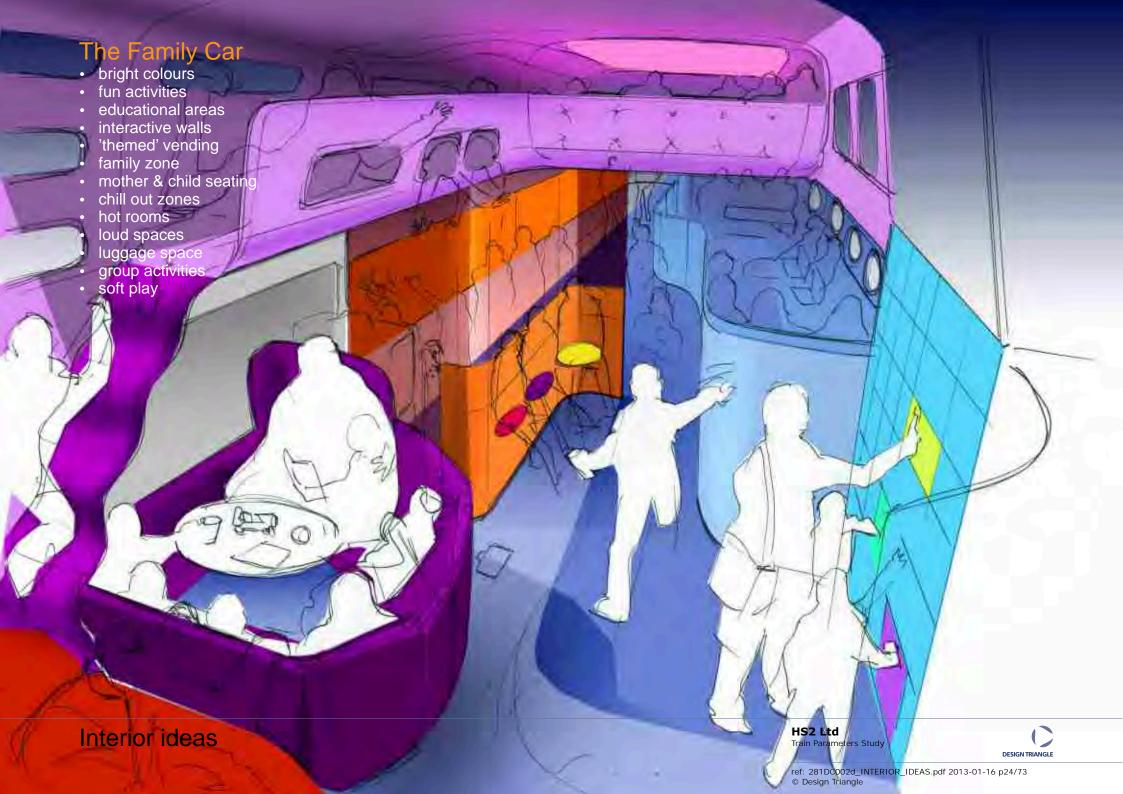
Talking Sketch

· a collection of ideas are listed here:



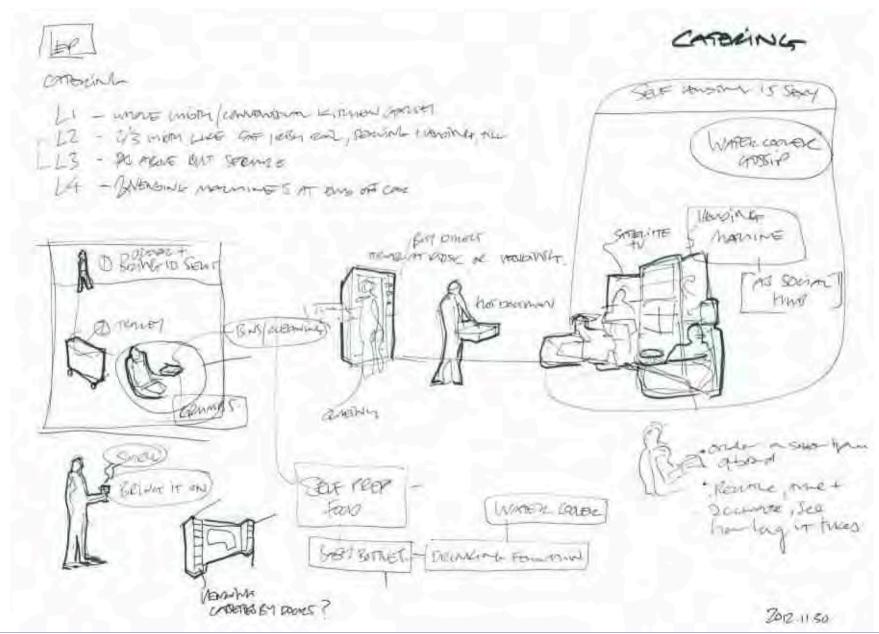


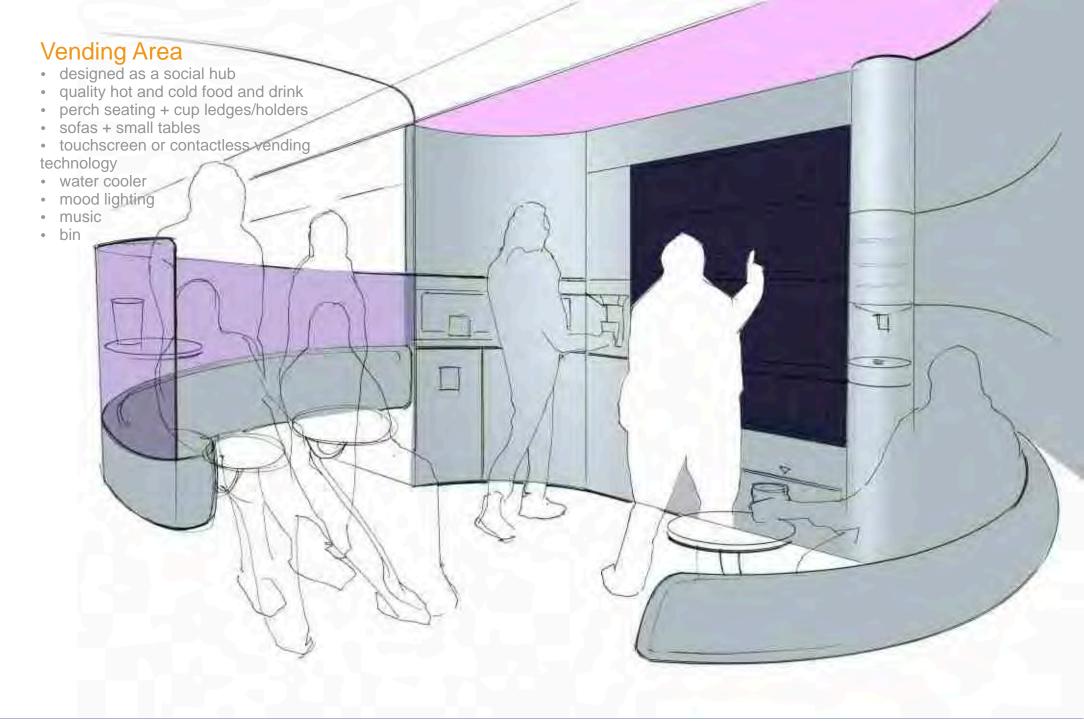




Catering

· a collection of ideas are listed here:



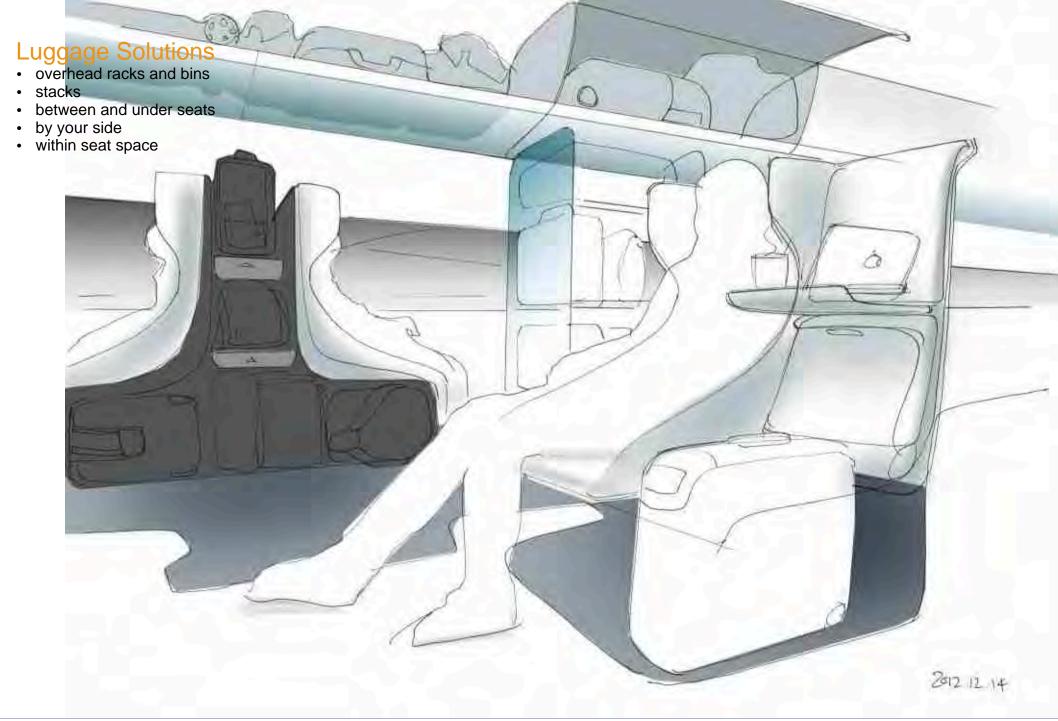






Interior ideas



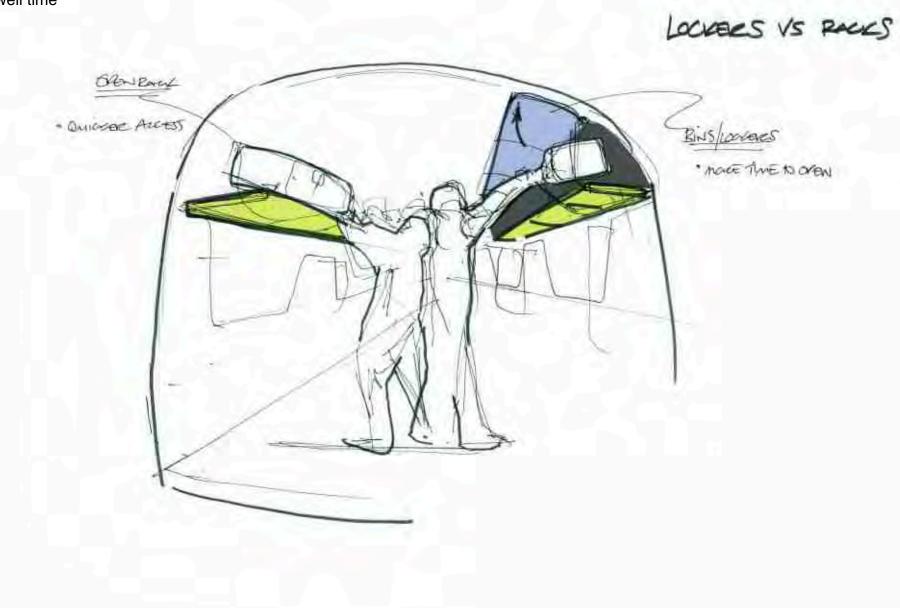


Interior ideas



Racks vs Lockers

- · effects on dwell time
- security
- safetyvisibility



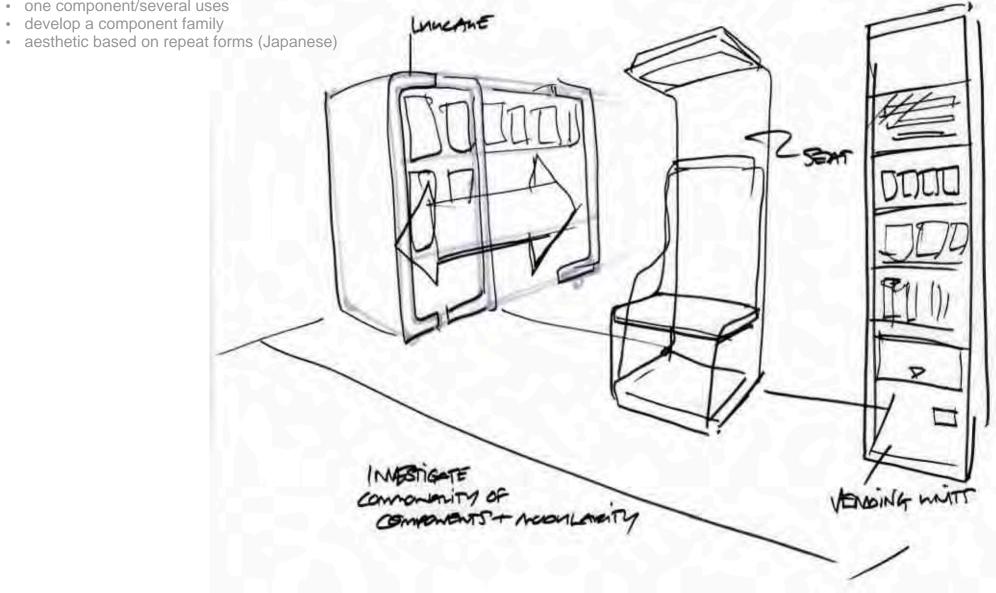


Maximise modularity

one component/several uses

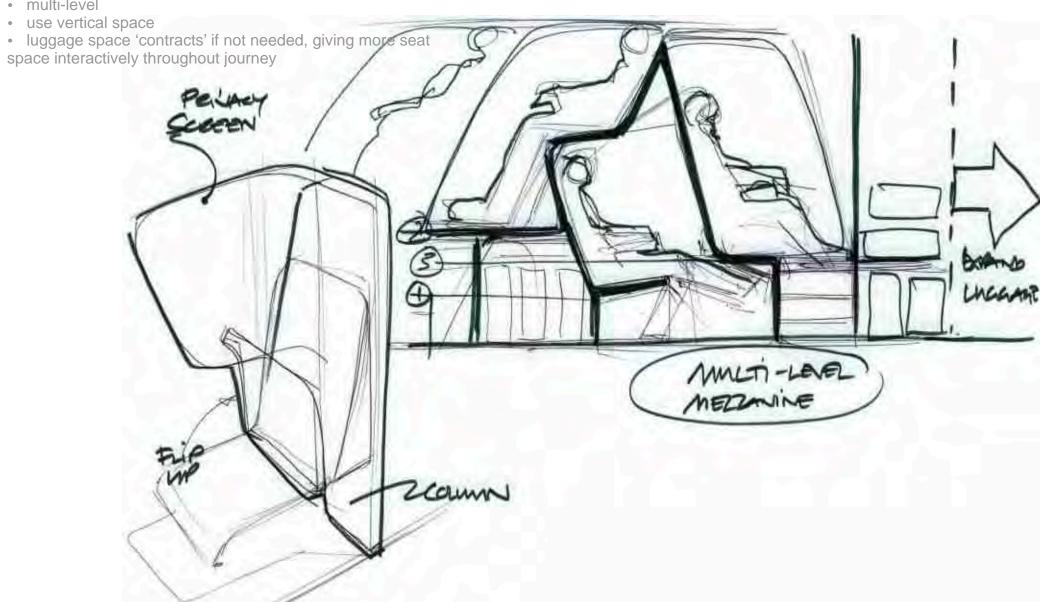






Achieving Privacy

- local screens around seats
- seats in tessellating pods arrangements
- multi-level





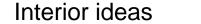
Where's do I put my luggage?

- conventional high speed vestibules block-up
- Heathrow Express boarding times are very long

Try distributed luggage and spread it about a bit... · why can't it feel more like home with a separate piece of interesting furniture for each storage task, wardrobe, coatstand, buggies, trolleys etc Standaren Baix. THEND Trest Ster HEX Symetry more LAKELLY DISTRIBUTED cont has from Harbings LOW automos ESS ESTEMPLE

[MINOCHILLY

PLANTO FORS/MINES



HS2 Ltd Train Parameters Study

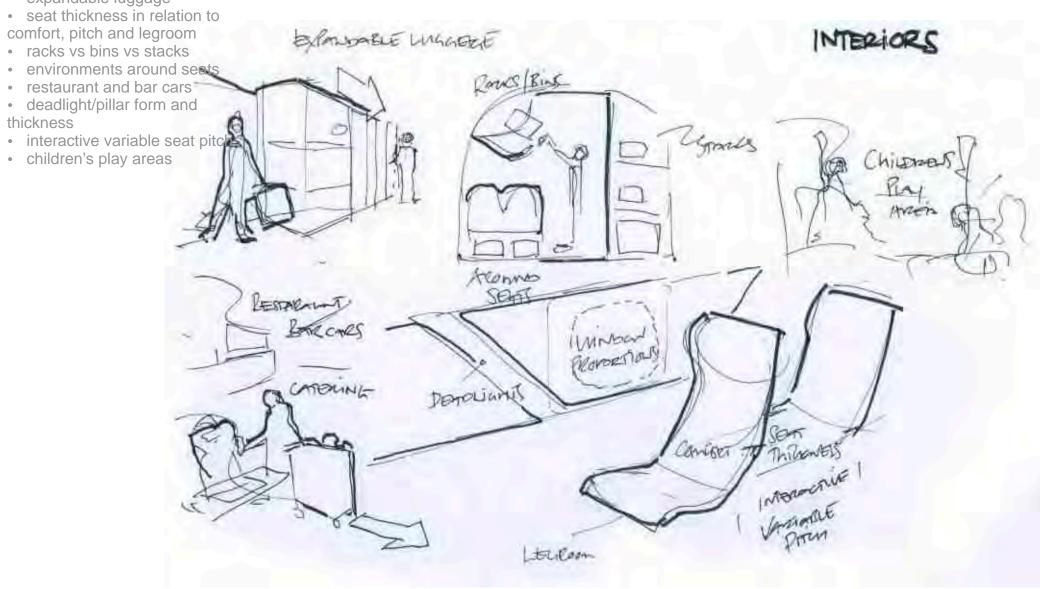
Braniel War Farmine



LUGAGE STORAGE

a collection of ideas are listed here:





 collection of ideas are listed here: Max HAZU fook To ELEMATICS GREOUPS DISCOUNT Small POTOTE ON CONTENTIESS SMORTERED OR OTHER TELLINGIA SINGLES waggast ORDER/EN MOR THEIR I ON MUBIE DEVICE LEUROOM · BUY SPACE LIKE REALESTATE LOFFEE SIZE EMEK MUDICINEDA TRAIN CONFIGURES AS CACT ON SENT ARE BOOKED DE Emeriese To REDUCE AS SOURCE IS WATTING IN THEL TIME (BUT NOT BLOCK INTEGER) BN/BK BOM Station (2 minutes!) SIDET OF · TEXIBLE · KERONFICHWEAGLE A CLASSLESS SERVICE

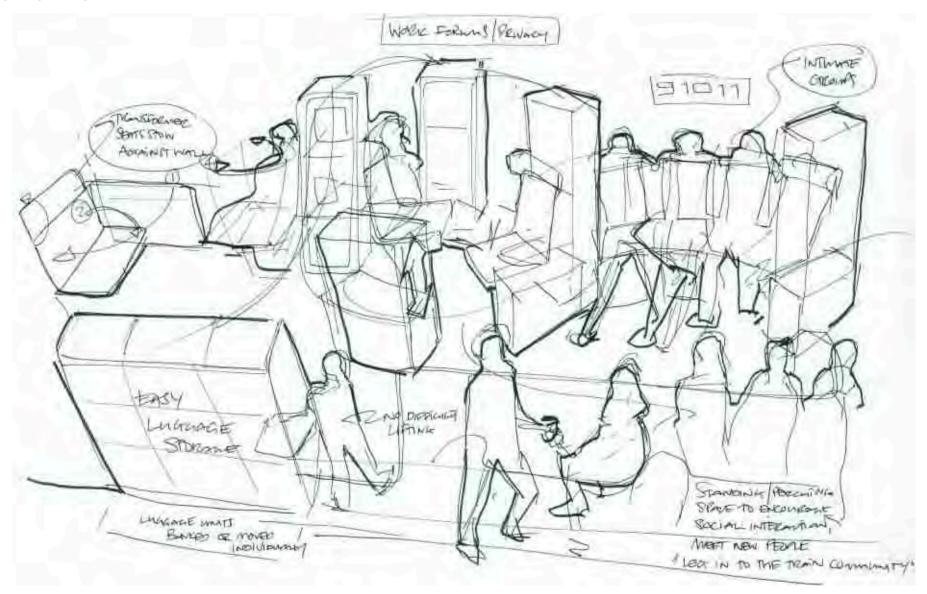
HS2 Ltd

Train Parameters Study

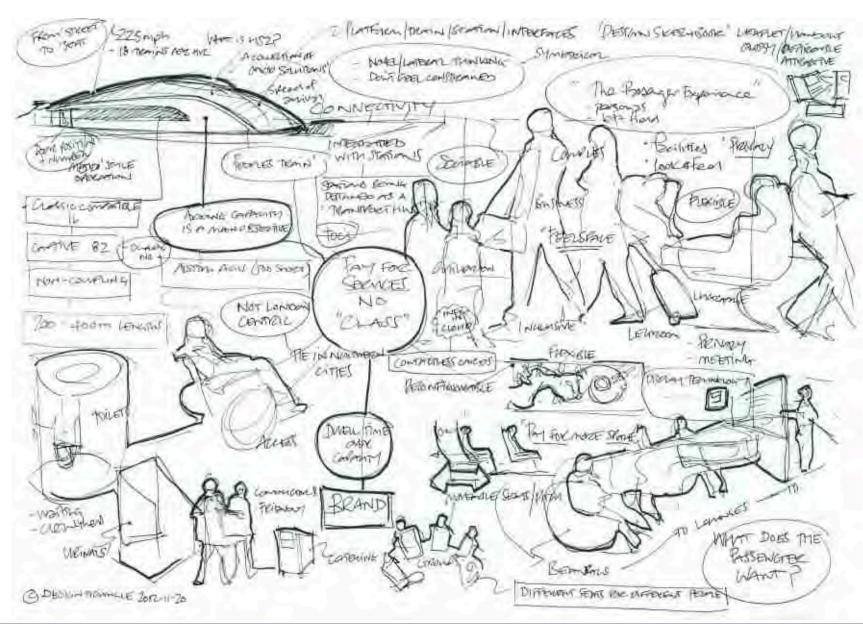


hs2 - 'Log in to the Moving Community'

 through contactless technologies the train recognises you and adapts to your journeys needs

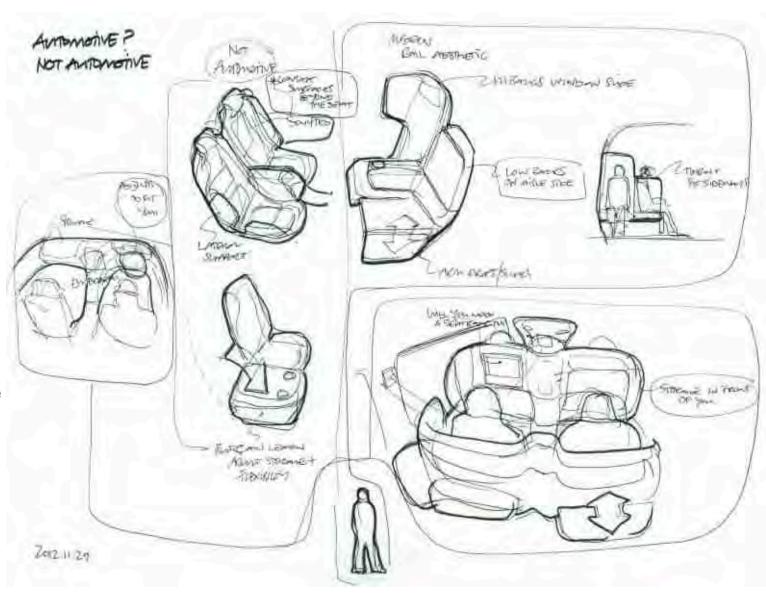


a collection of ideas are listed here:



Rail - learning from Automotive design

- is automotive design a relevant comparison to public transport?
- in cars the contact surfaces for the passenger/occupant extend beyond the seat space
- they adjust and fit to you
- there is lots of cleverly thought out storage solutions (some lockable)
- lots of lateral seat support (hugging)
- modern rail aesthetic should rival or surpass what's achievable in cars and become the aspirational way to travel
- entertainment
- high and low back seats as in the front and backs of cars
- would be nice to store everything you have in front of you, like a car dashboard
- · seatback TV's will be redundant
- turn sideways and legitimately make use of the aisle width for legroom, chatting to the people opposite etc

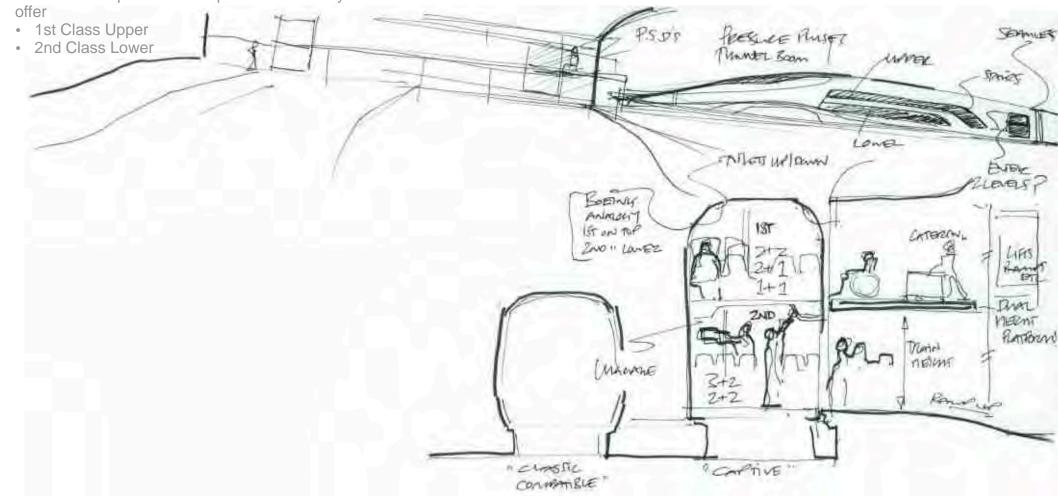




Double Deck trains and platforms

- · collection of ideas are listed here:
- platform screen doors
- double deck trains and platforms
- tunnel boom
- toilets in upper deck
- catering trolley/lifts
- seamless/stepless

· classic compatible and captive commonality of service

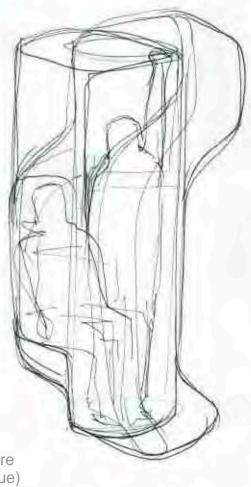


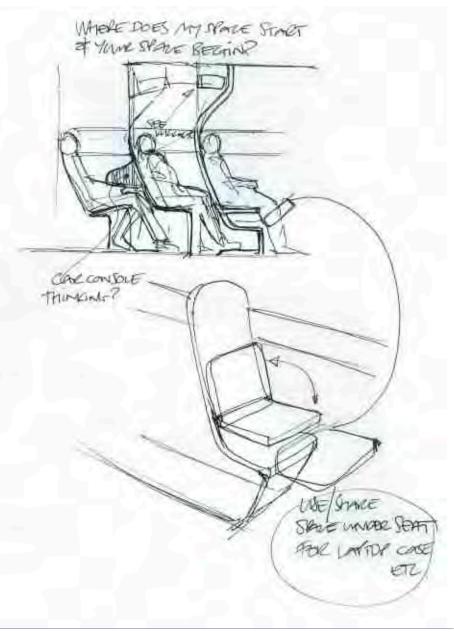


CONFIGURE YOUR OWN SPACE DESIGNED AROUND YOU

Take control of space within reach from your seat place

- configure your own seat space to your requirements
- adopt a 'designed around you' design philosophy with car console type thinking around seat space
- utilize space under seat for luggage, laptops etc
- · make seat underframe slimmer and more discreet (or delete in favour of a monocoque)

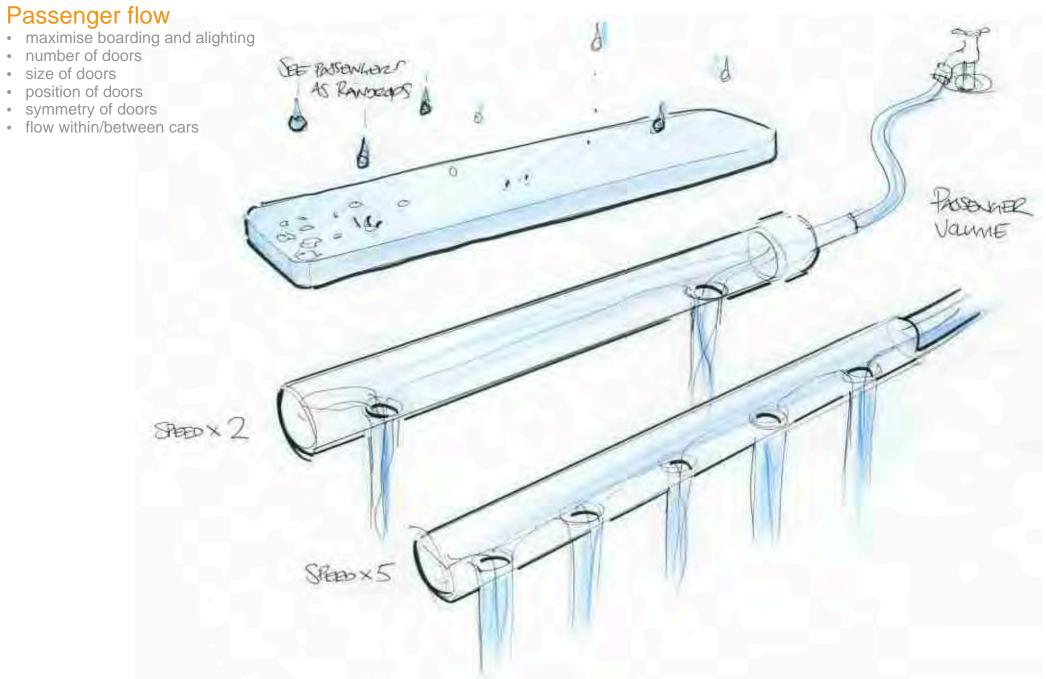








size of doors

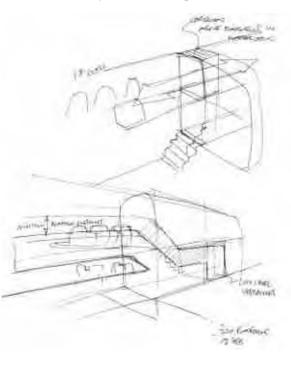


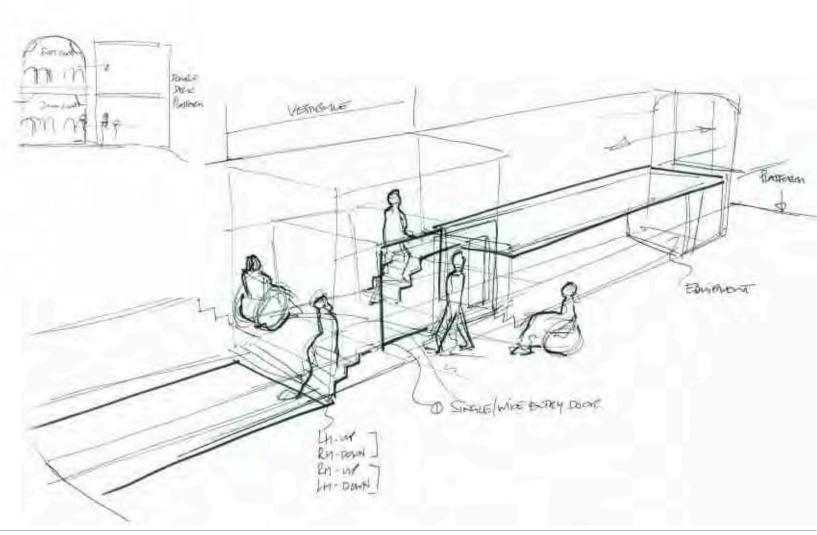
Interior ideas



Double Deck design issues wheelchairs restricted to vestibules

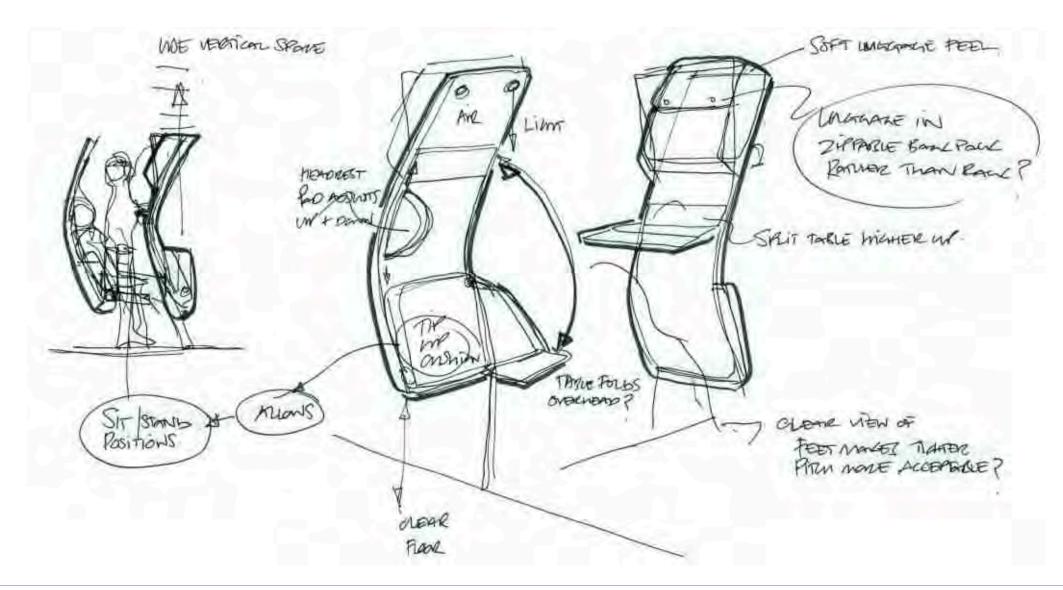
- equipment cupboards
- limited car to car access
- platform heights etc

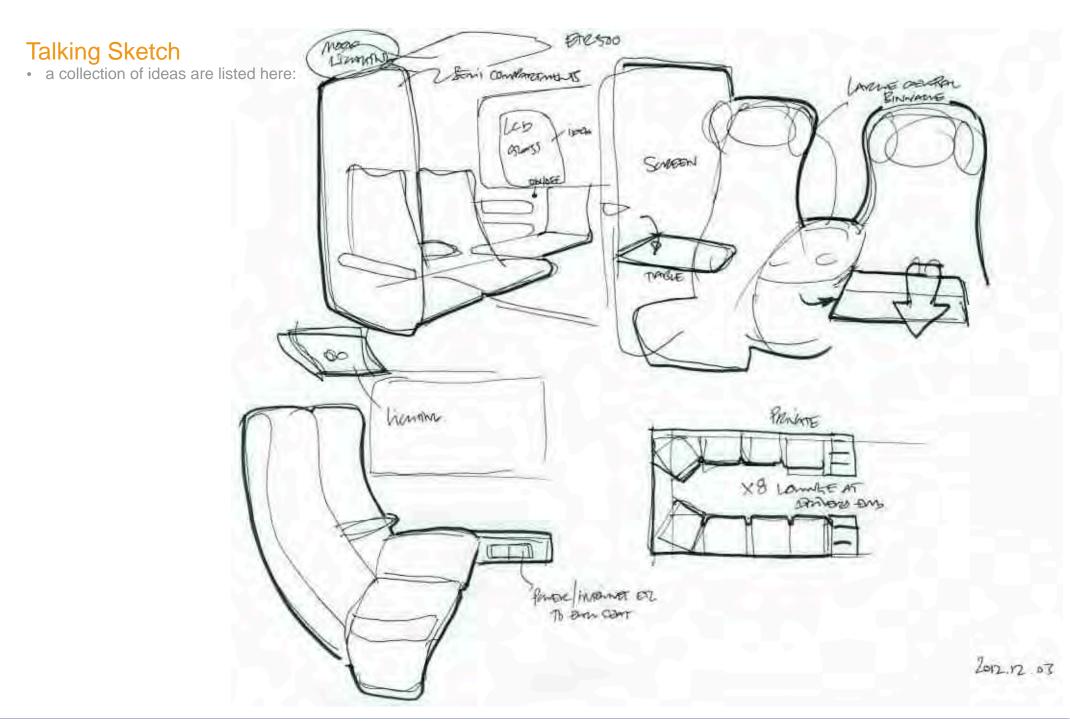




Wear your seat on your back!

- design as if seat were a backpack
- put it anywhere you like within saloon
- · comfortable sit/stand positions



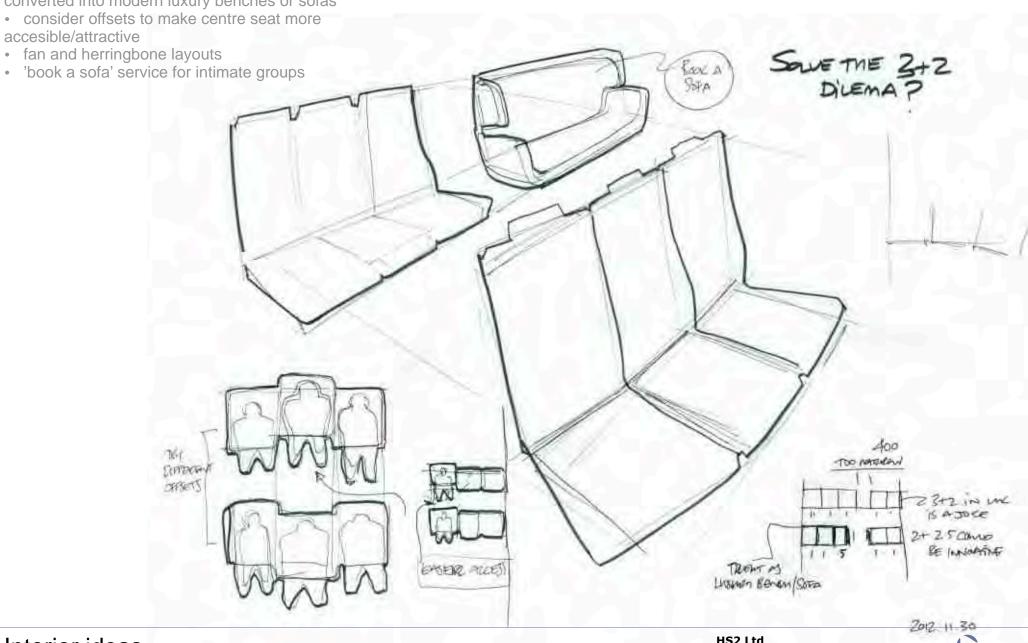


Interior ideas



Dedicated 3 seater sofas

• conventional compromised 3 seats arrangements converted into modern luxury benches or sofas



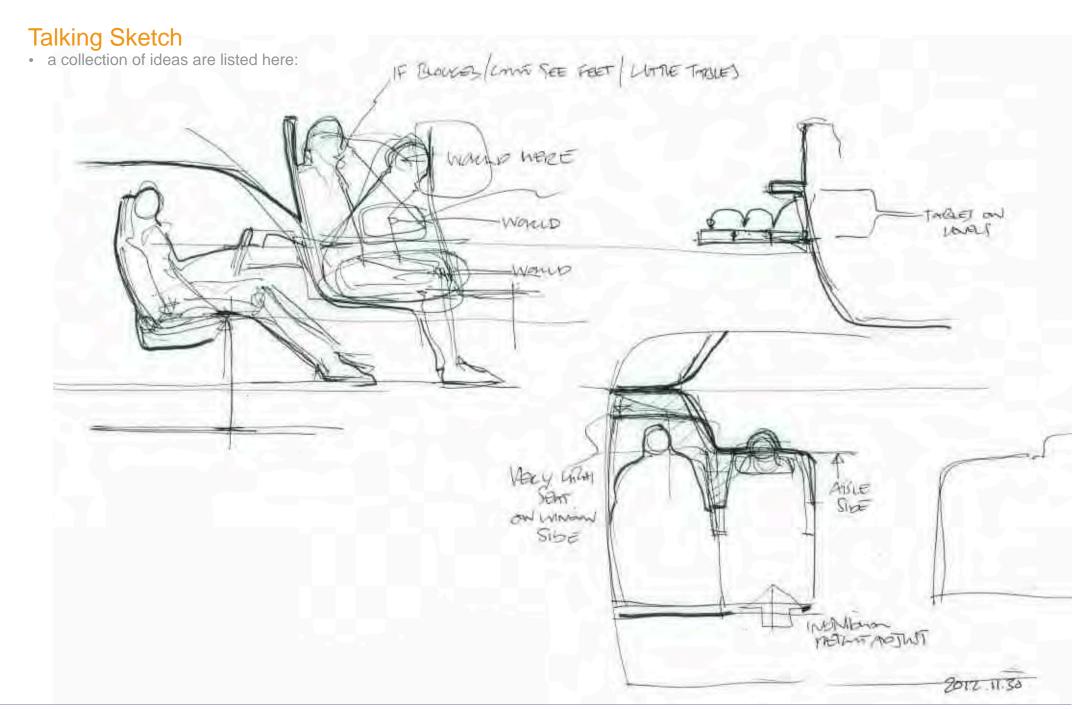
Interior ideas

Operational Tipping Points

when does short haul become long? people and luggage on in minimum time dedicated HS2 luggage design world knowledge ank nown best practice SERVICE I'M That has tarreso m Lear Sporce shorting INDIED WANDOWE BEST BRAINCE PORTE # 182 Lethant commo into + Atecon

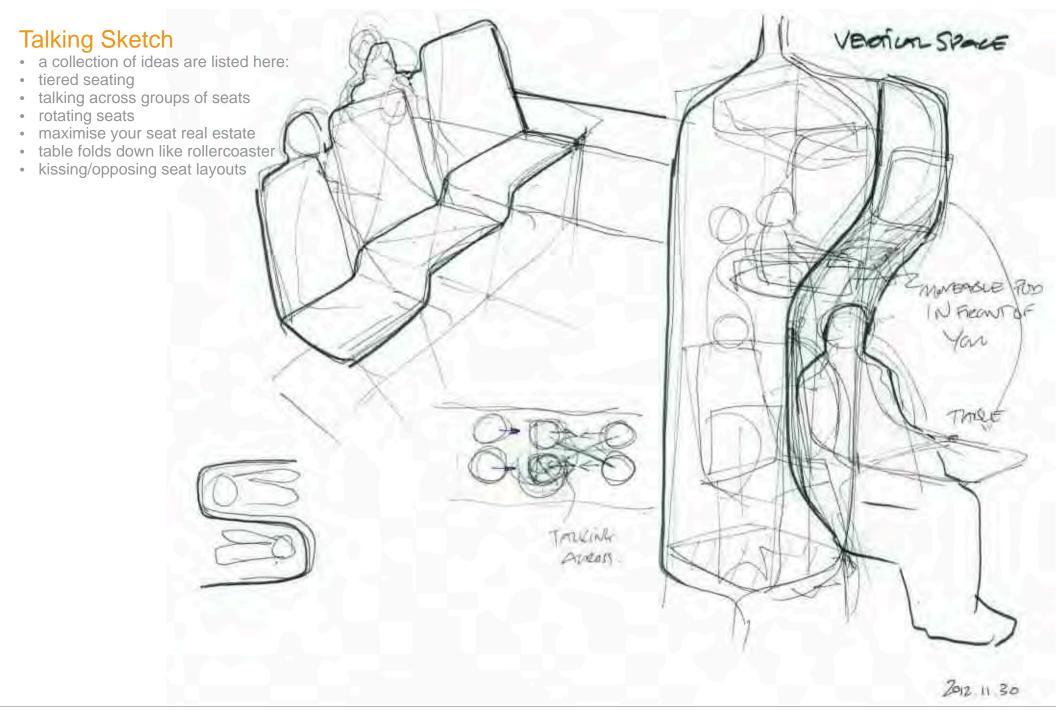
Interior ideas





Interior ideas







train recognises you

low and high key moods.

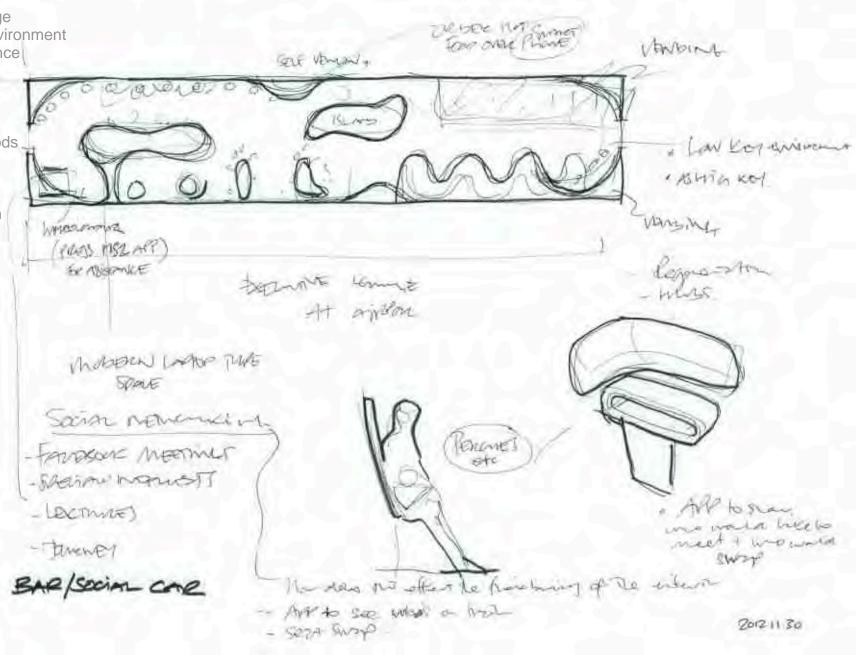
lectures

real social networking

buy a 'nomad' ticket

see who's on the train

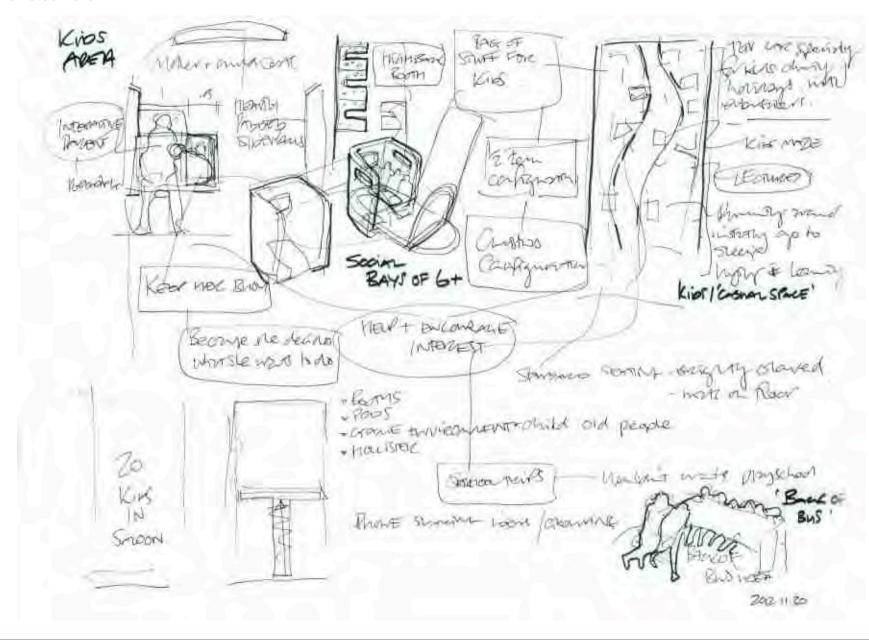
seat swap network

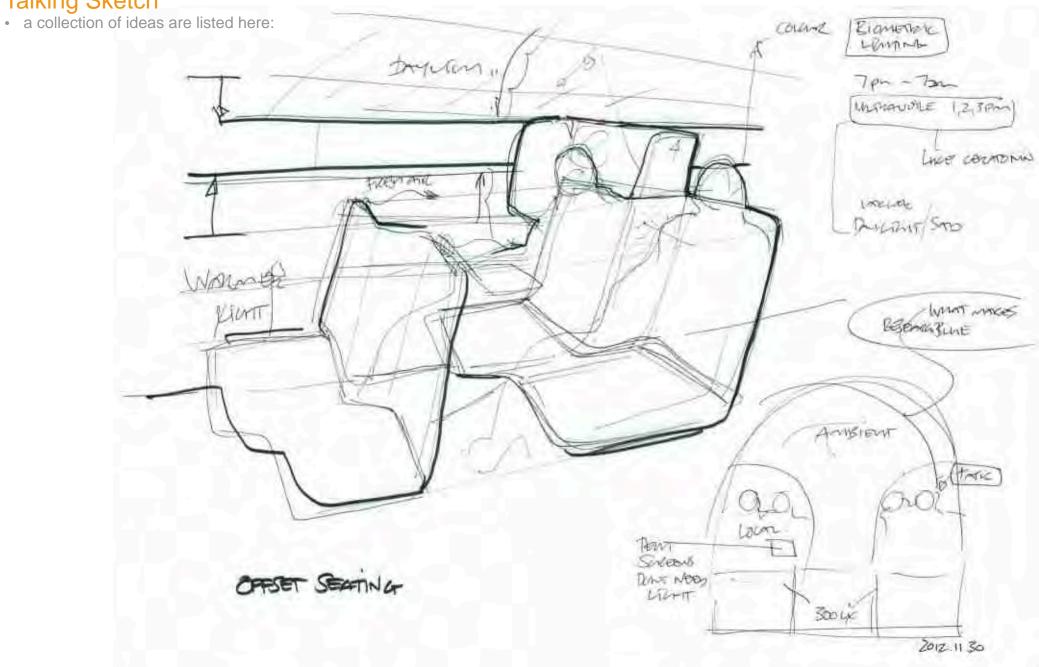




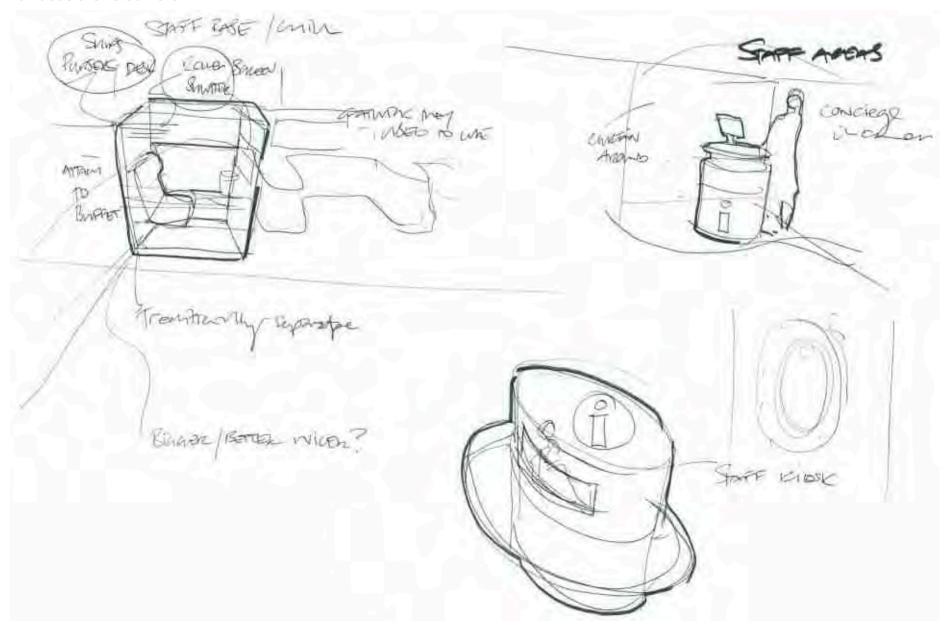


· a collection of ideas are listed here:

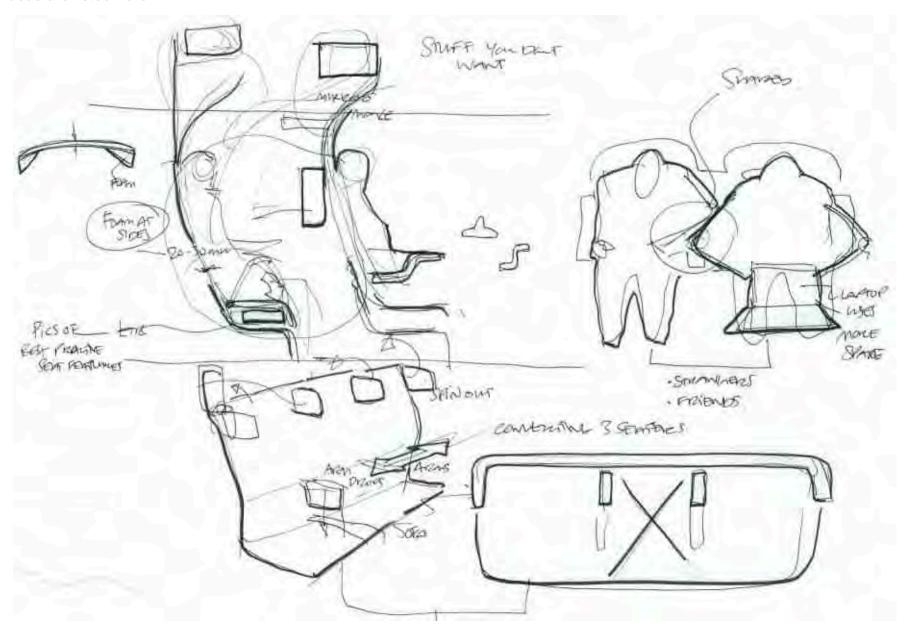




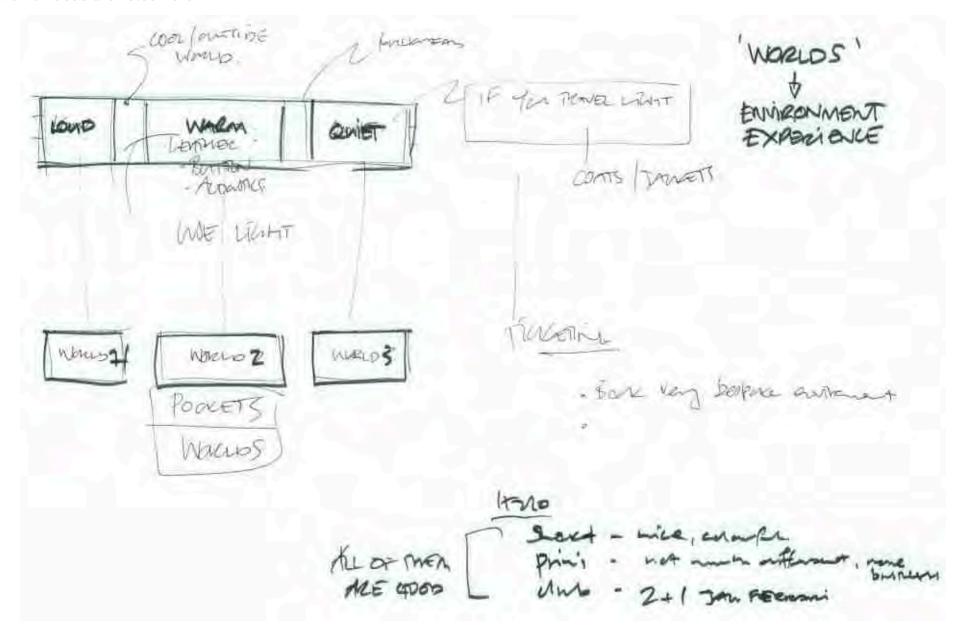
· a collection of ideas are listed here:



Talking Sketcha collection of ideas are listed here:

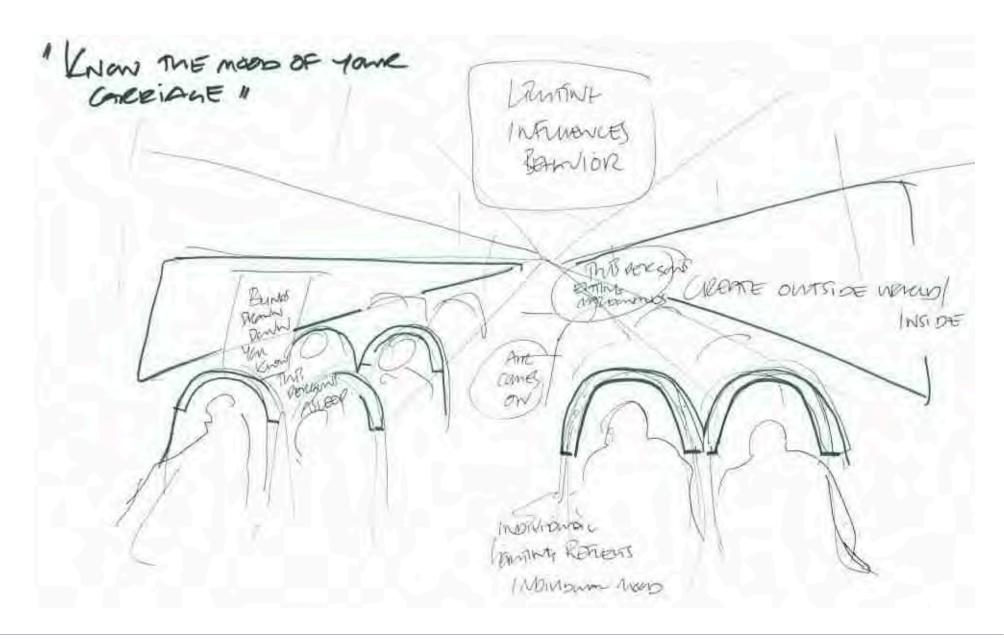


· a collection of ideas are listed here:



Know the mood of your carriage

a collection of ideas are listed here:

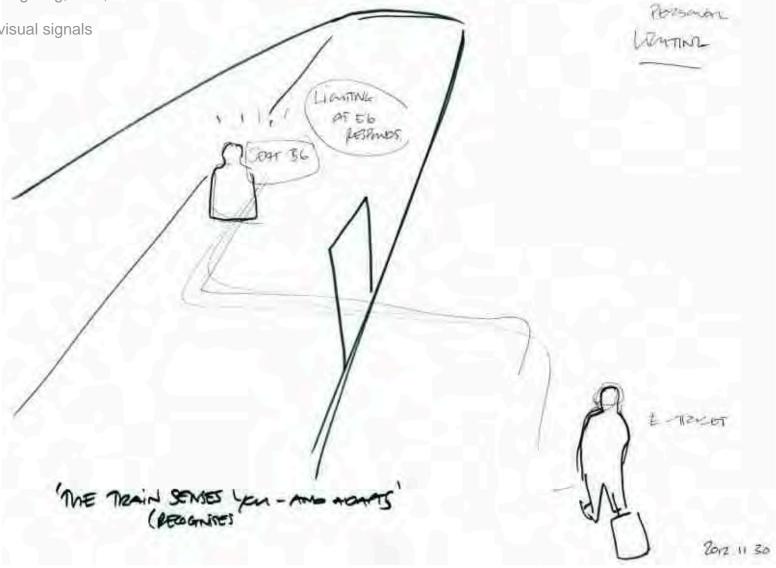


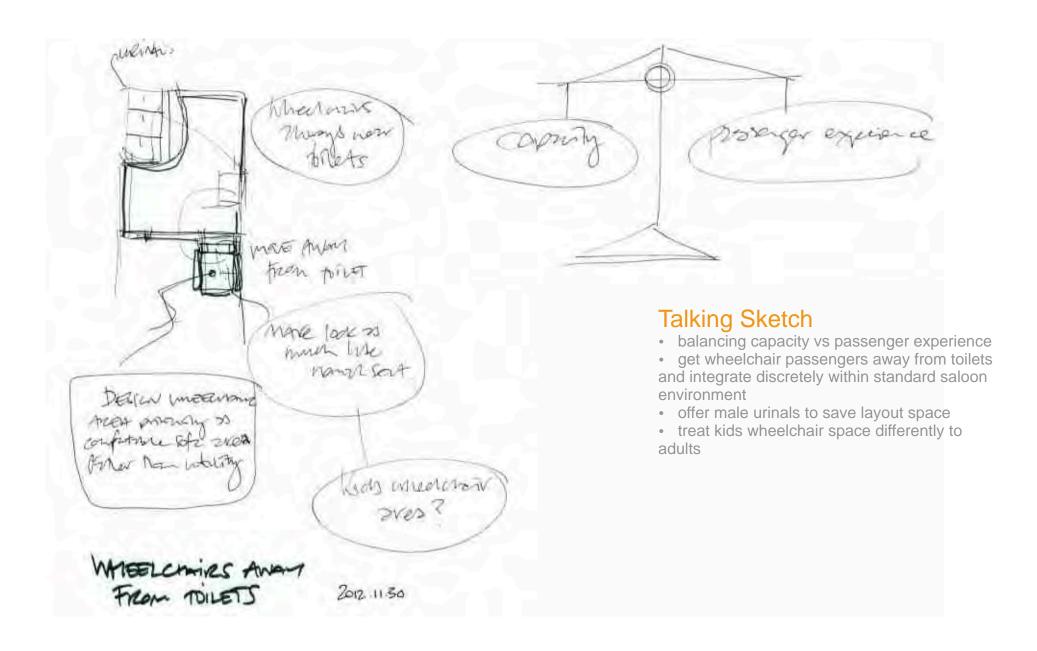
The train senses you

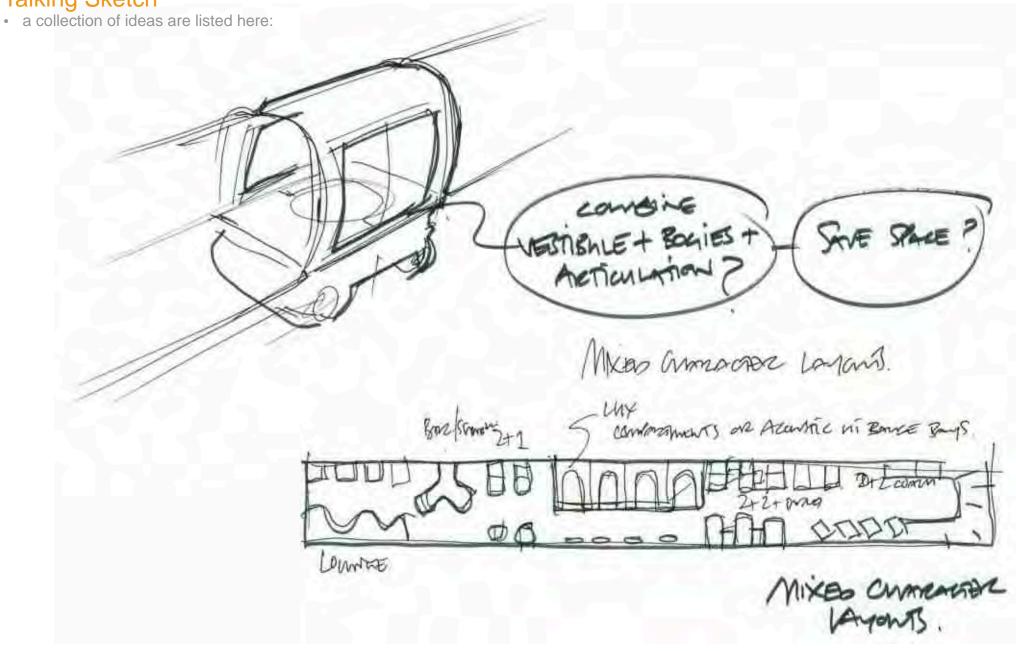
and adapts and responds to your requirements

· facilities interact as you board and alight

key in your personal profile for lighting, heat, seat ergonomics etc
soothing personalised audio/visual signals











 a collection of ideas are listed here:

• light tube technologies

eco aesthetics

smartglass

stepless journey

common materials and finishes

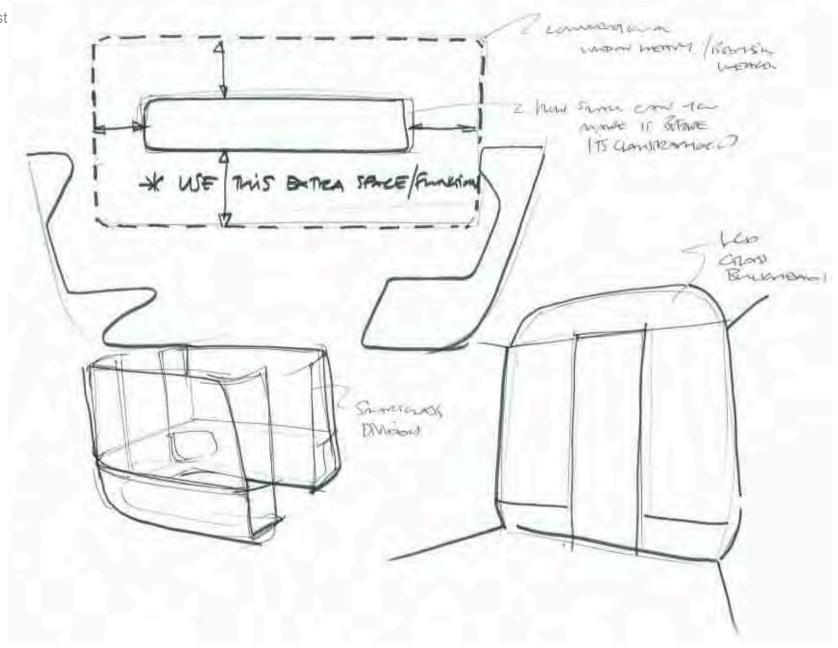
across stations and vehicle





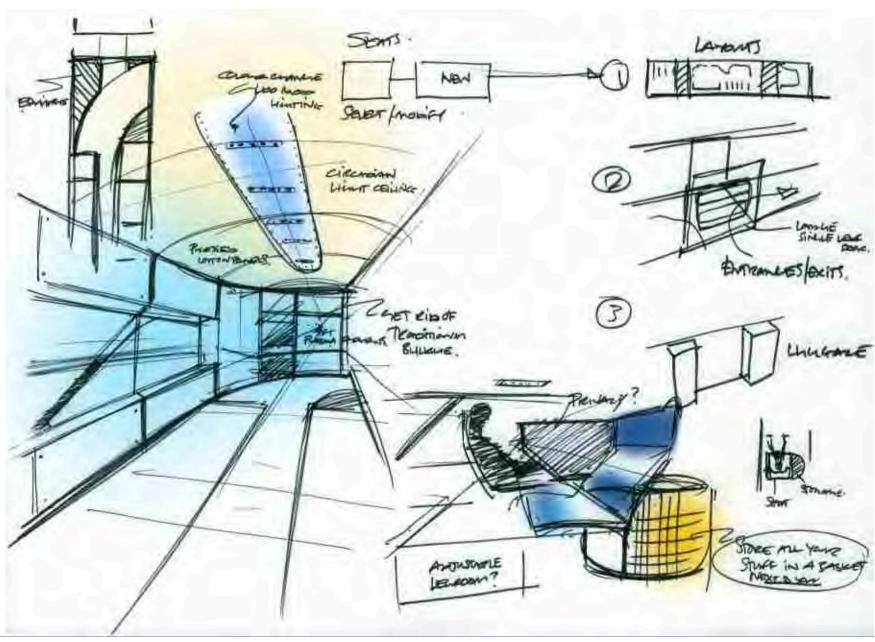


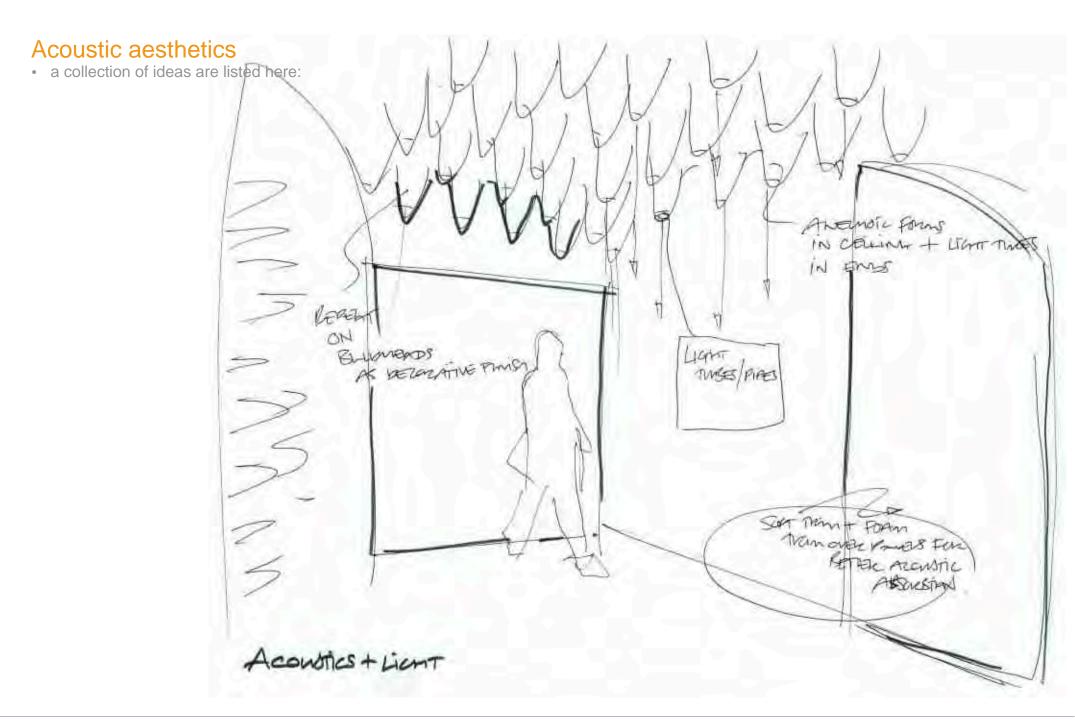
· a collection of ideas are list





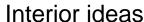
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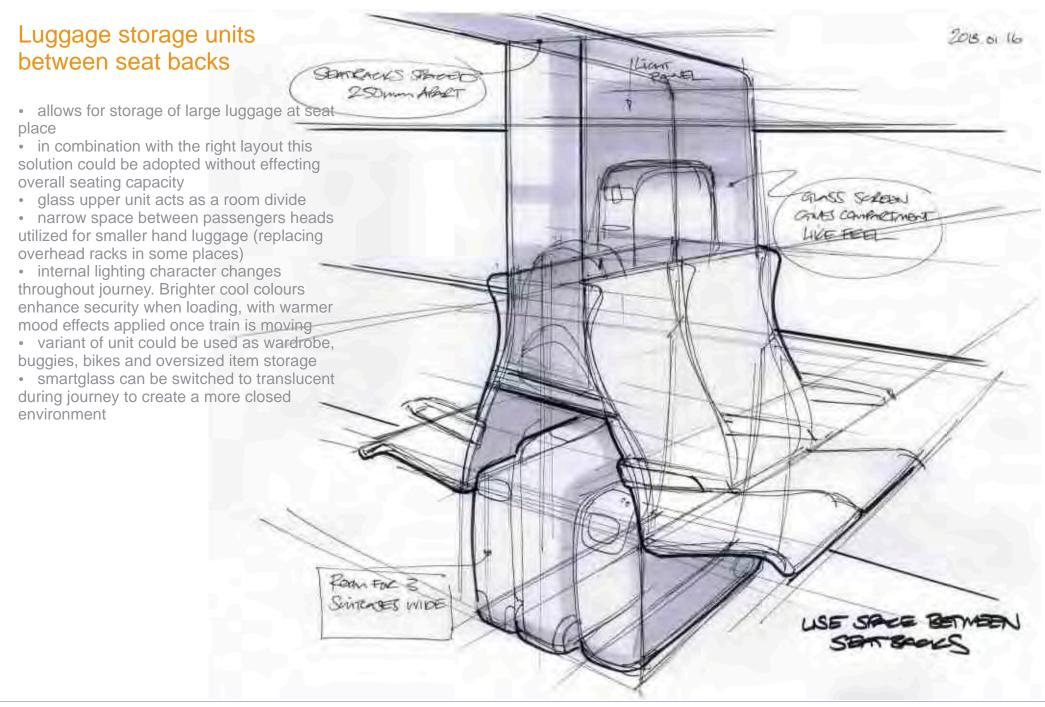








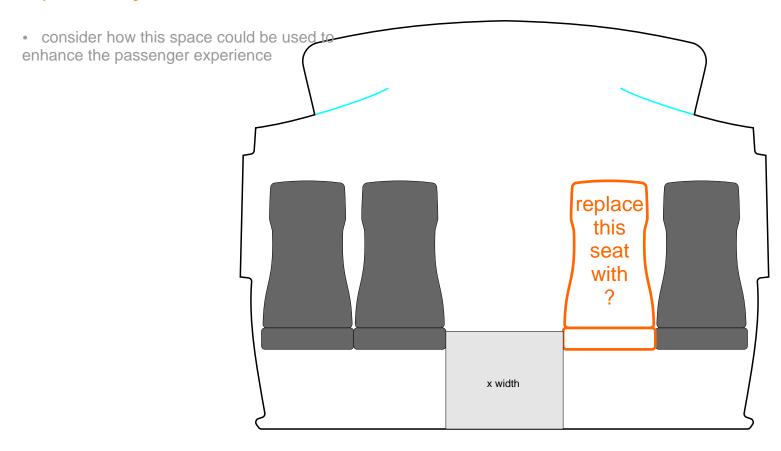




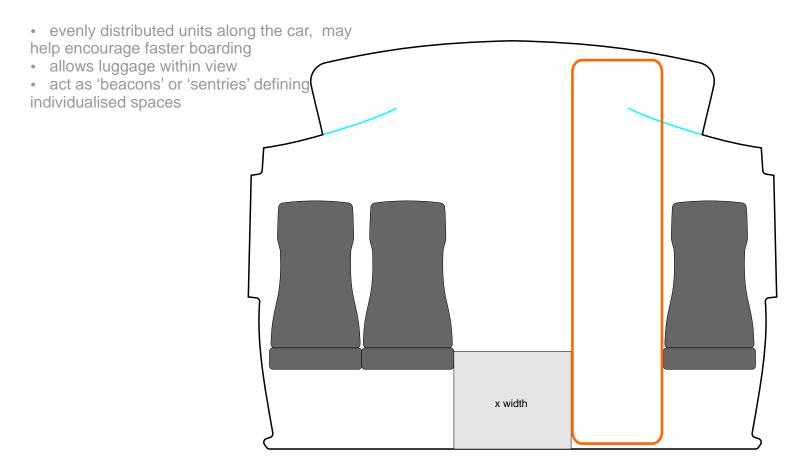
Interior ideas



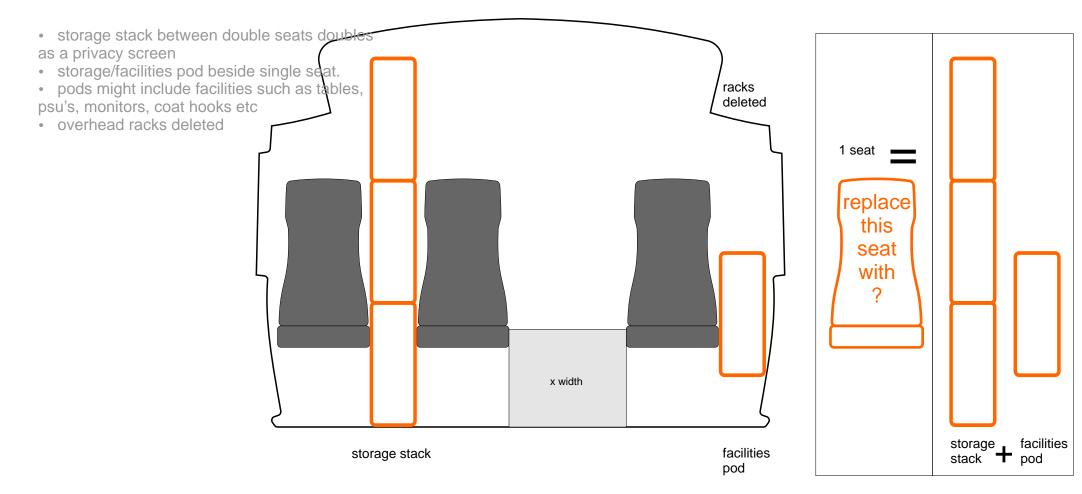
'2 + 2 seating layout enhanced' Occasional single seats replaced by other facilities

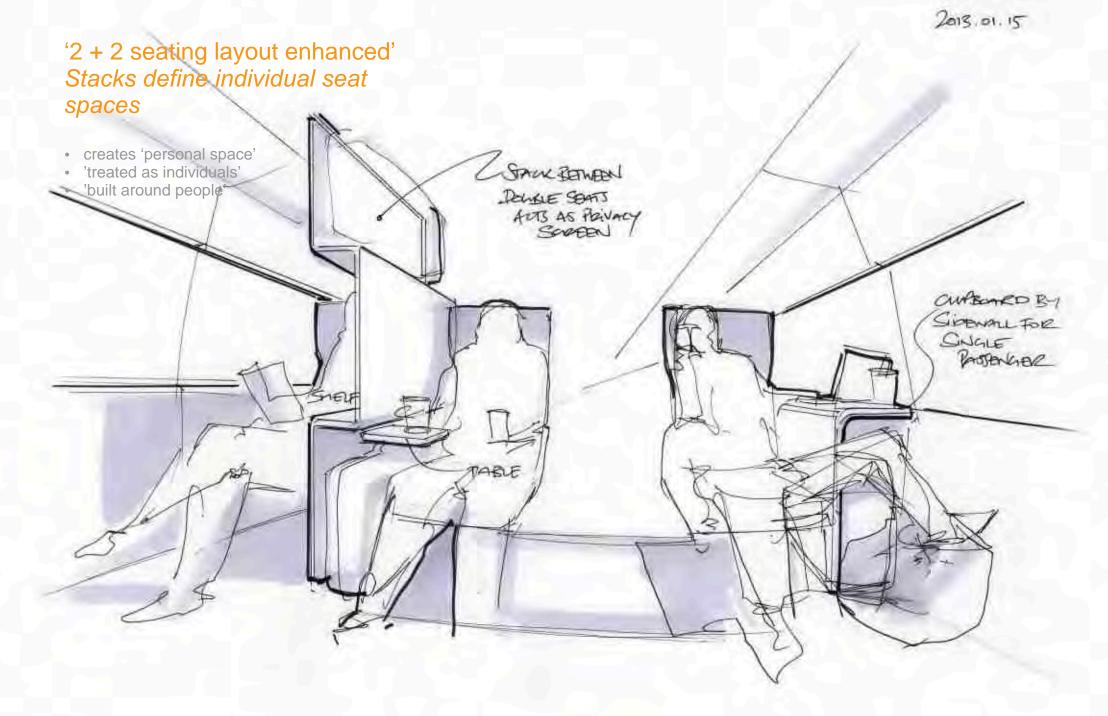


'2 + 2 seating layout enhanced' Floor to ceiling luggage stacks



'2 + 2 seating layout enhanced' Stacks define individual seat spaces





Interior ideas

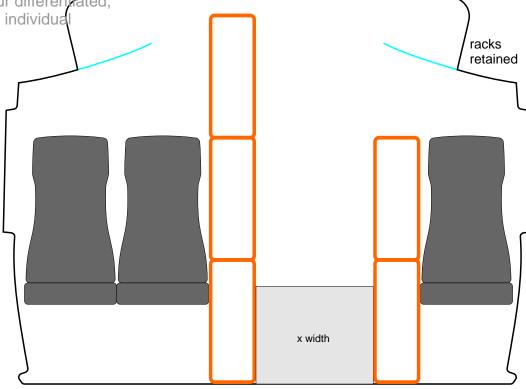


'2 + 2 seating layout enhanced' Stacks as room dividers

 stacks used as 'room' dividers to create semi-compartmentalised spaces

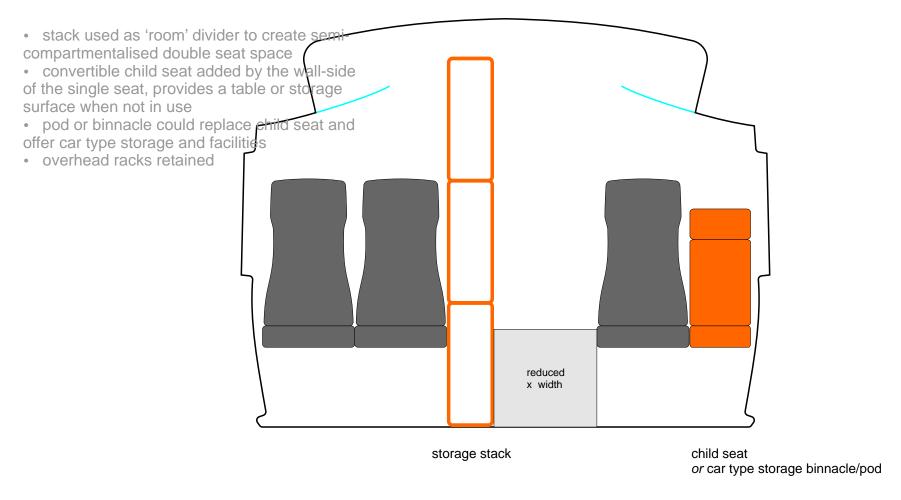
 stacks illuminated and colour differentiated, acting as totems or markers of individual spaces

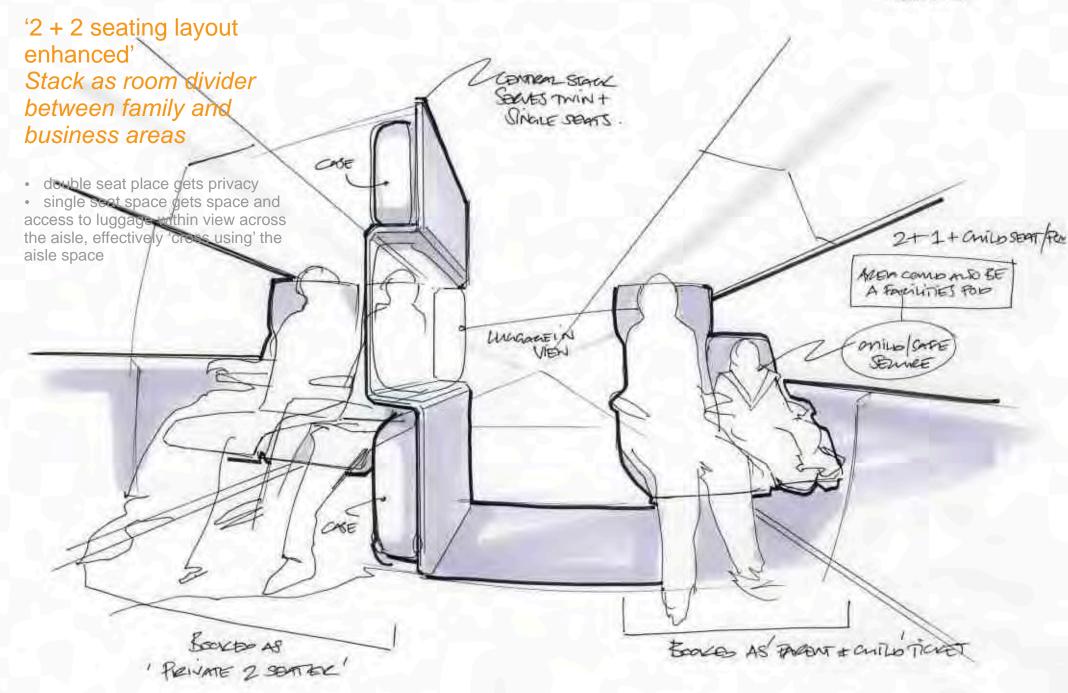
overhead racks retained



storage stacks allows fast access to luggage locally around seats and acts as a room divider

'2 + 2 seating layout enhanced' Stack as room divider between family and business areas





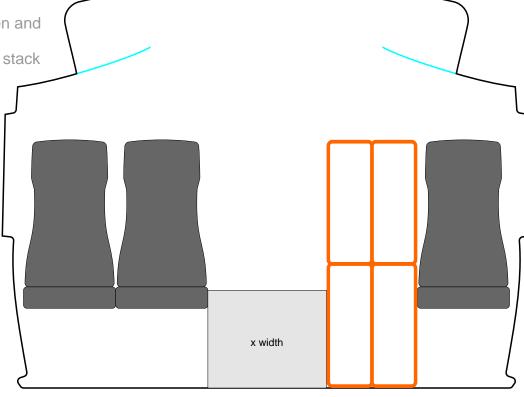
Interior ideas



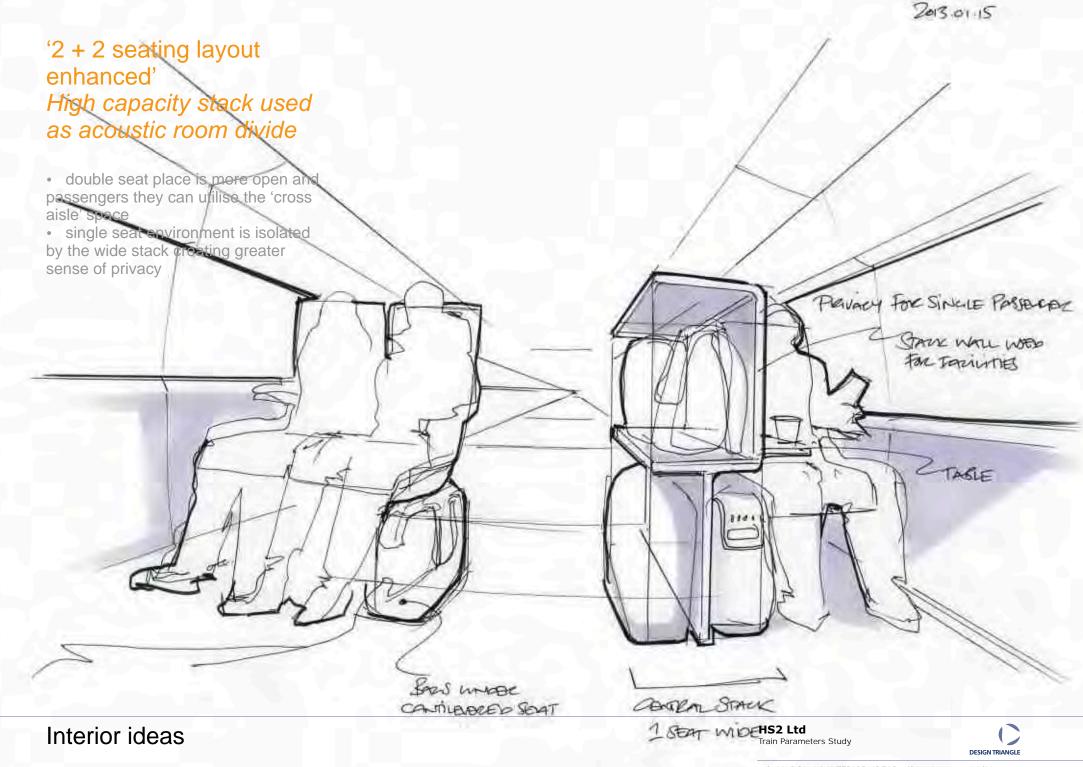
'2 + 2 seating layout enhanced' High capacity stack used as acoustic room divide

• double seat place more open and uses 'cross aisle' space

• single seat isolated by wide stack



wide storage stack

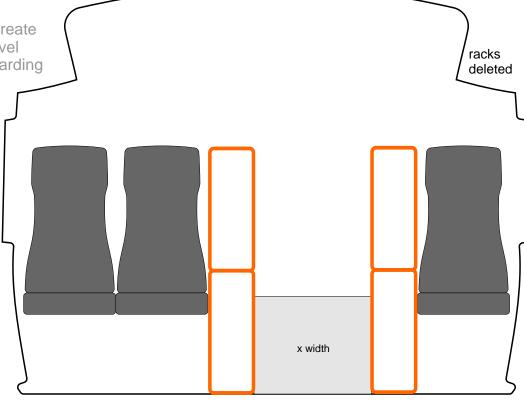


'2 + 2 seating layout enhanced' Low level stacks either side of the aisle

 overhead racks deleted to create wider more open feel at eye level

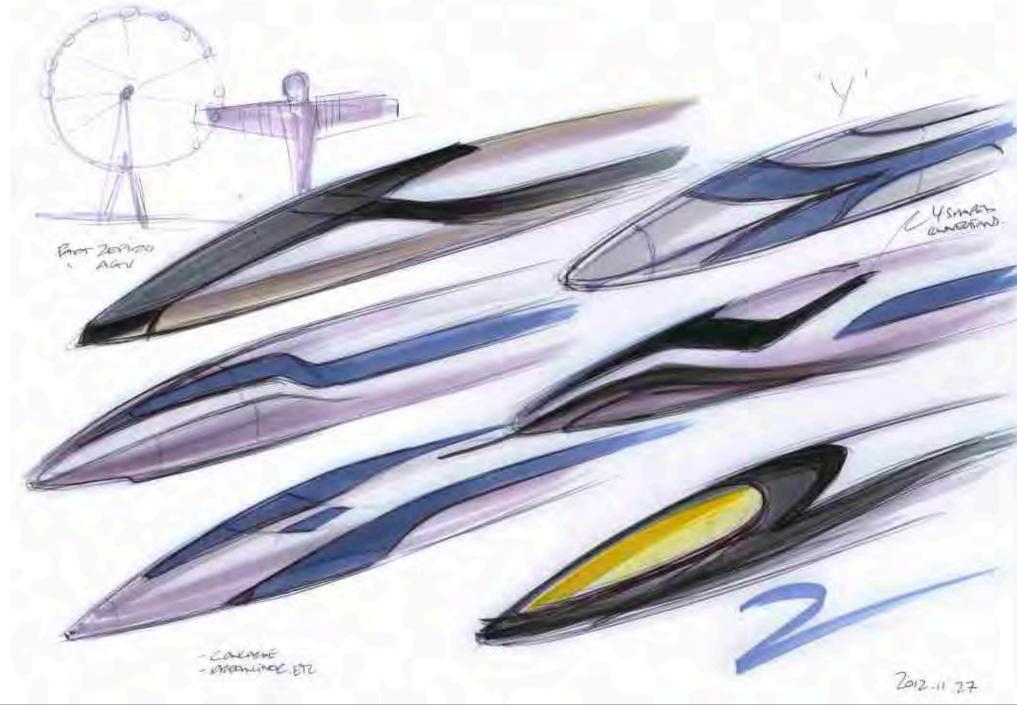
stacks used as 'sentries' guarding

personal space



storage stacks act as 'sentries'

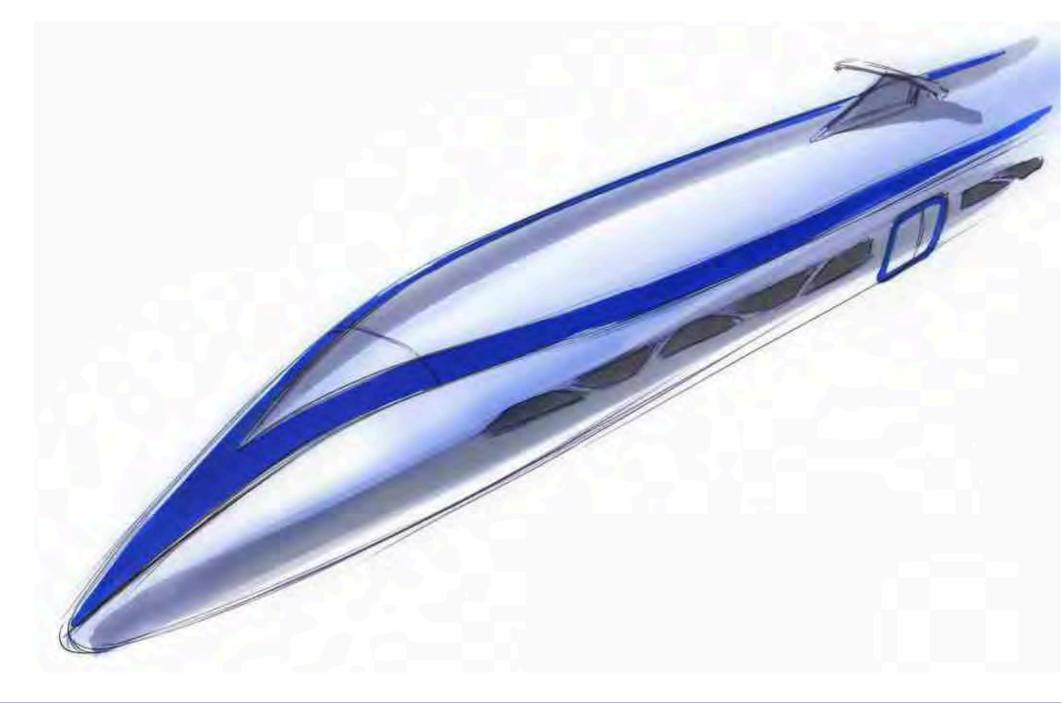
fast modern ICONIC



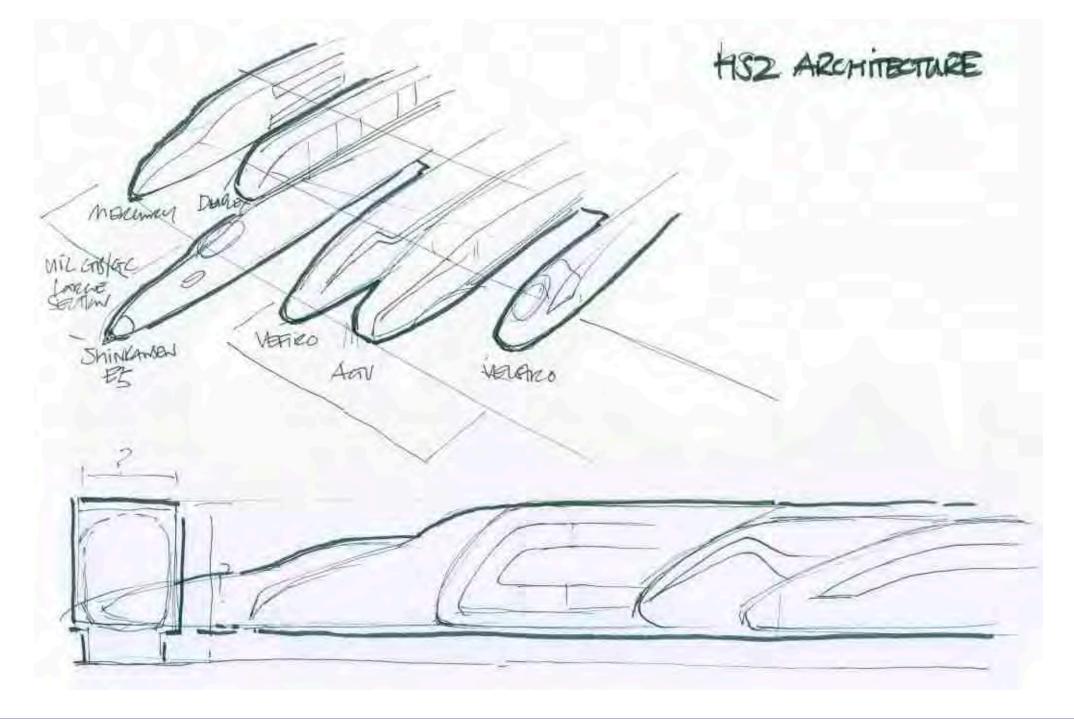




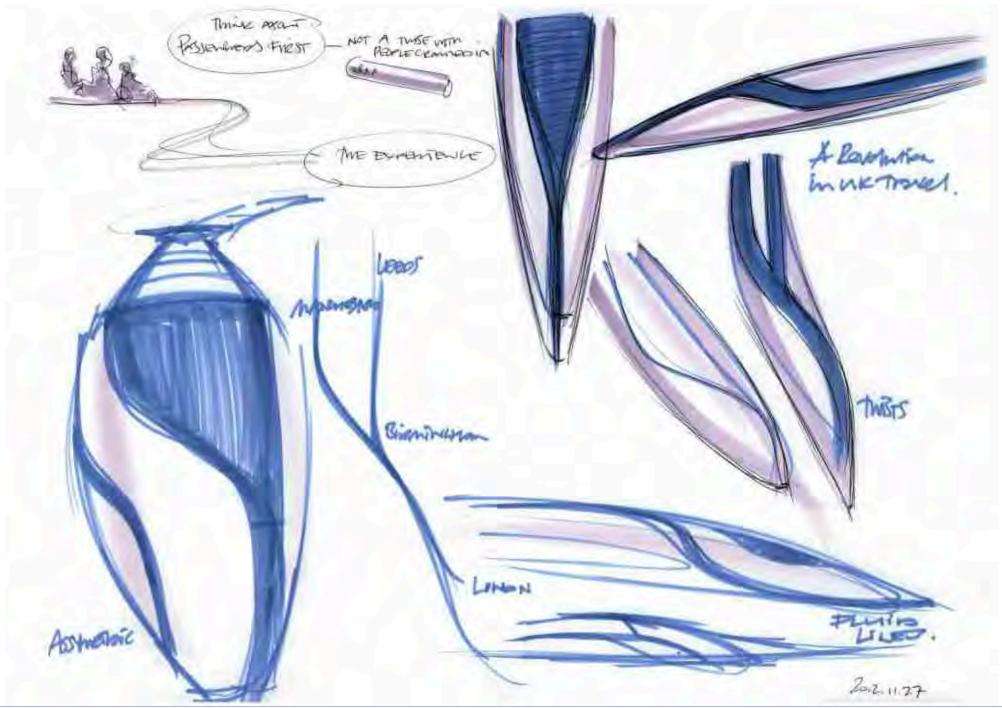




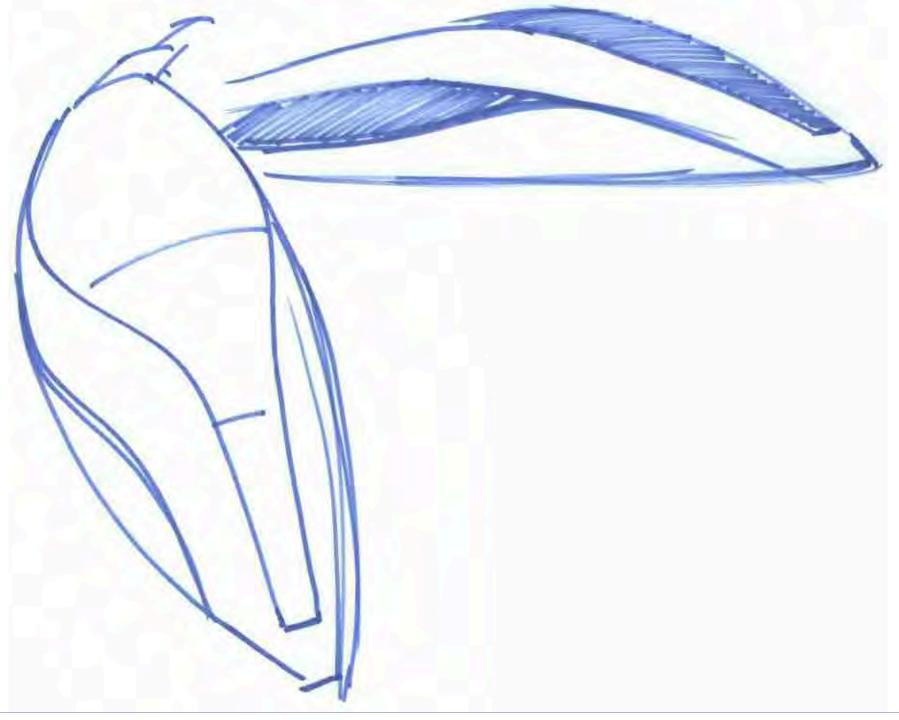




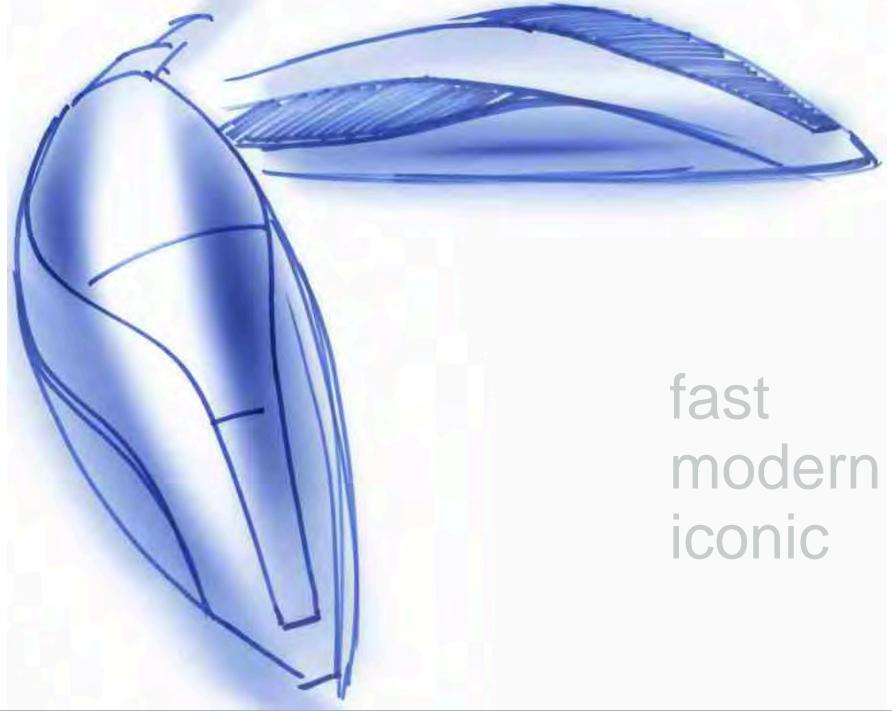




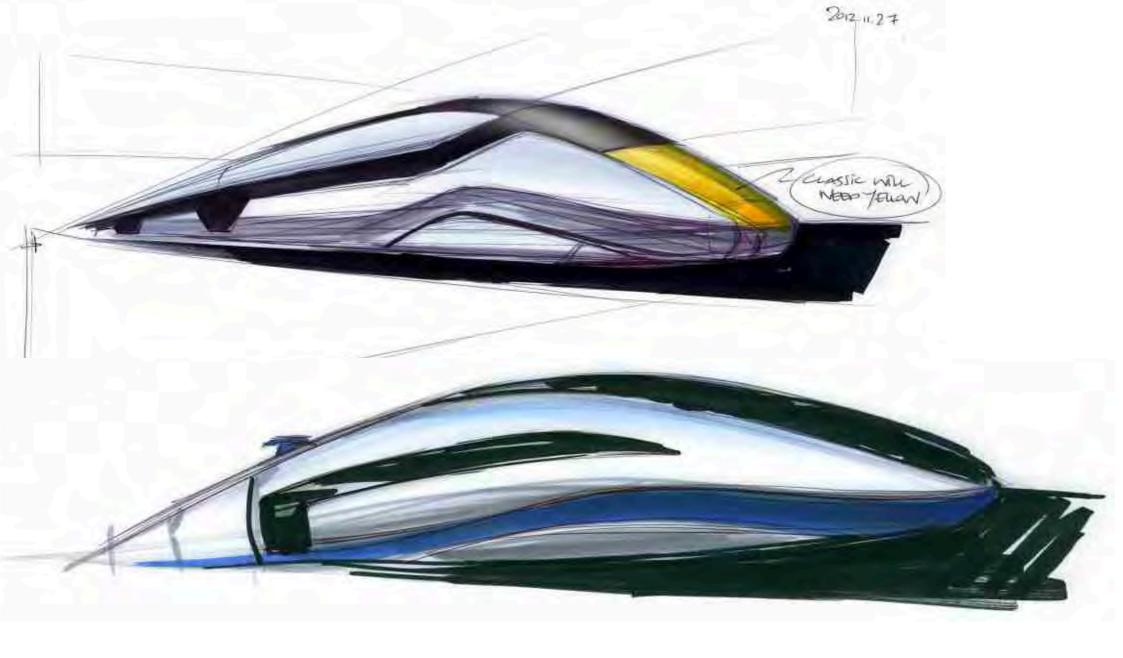








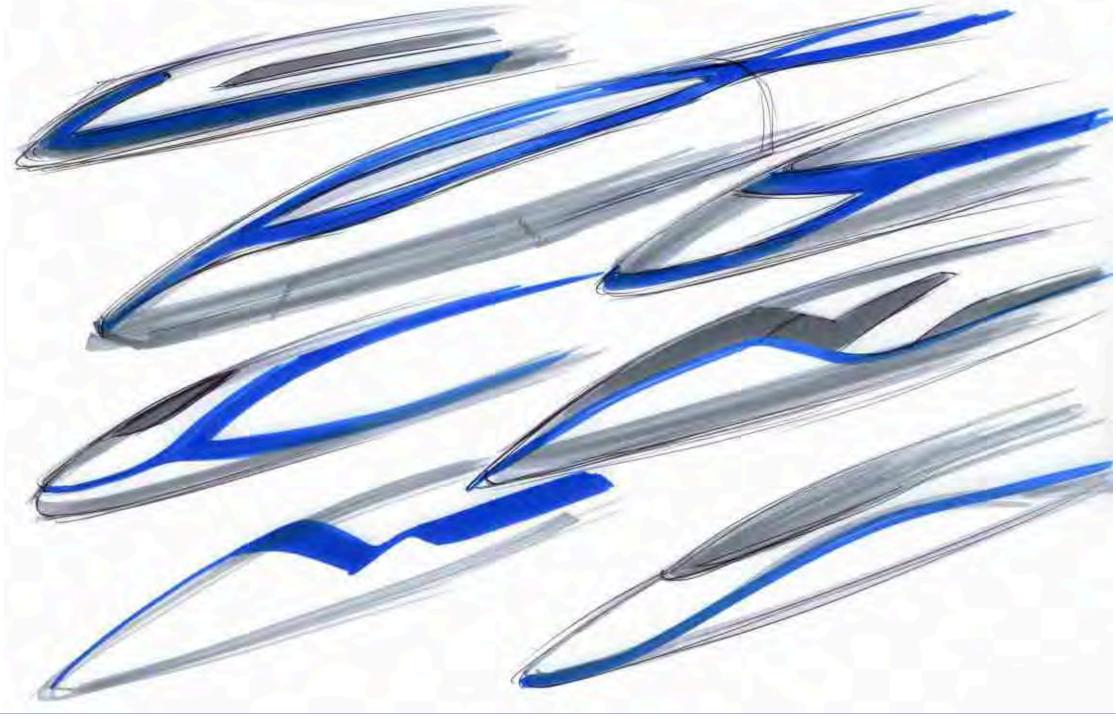




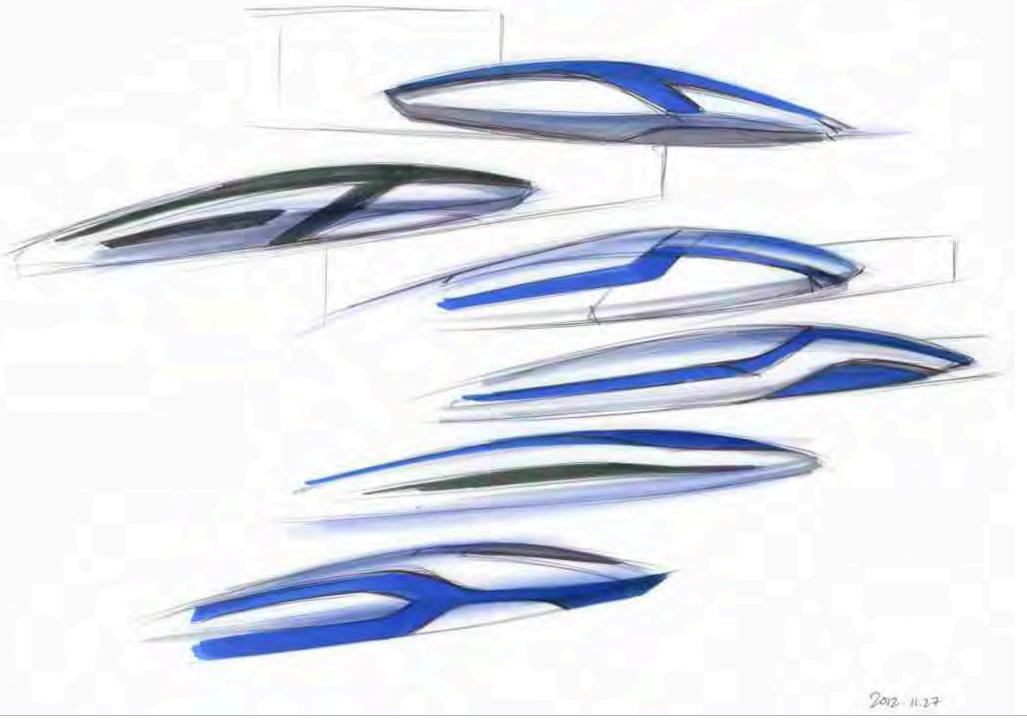






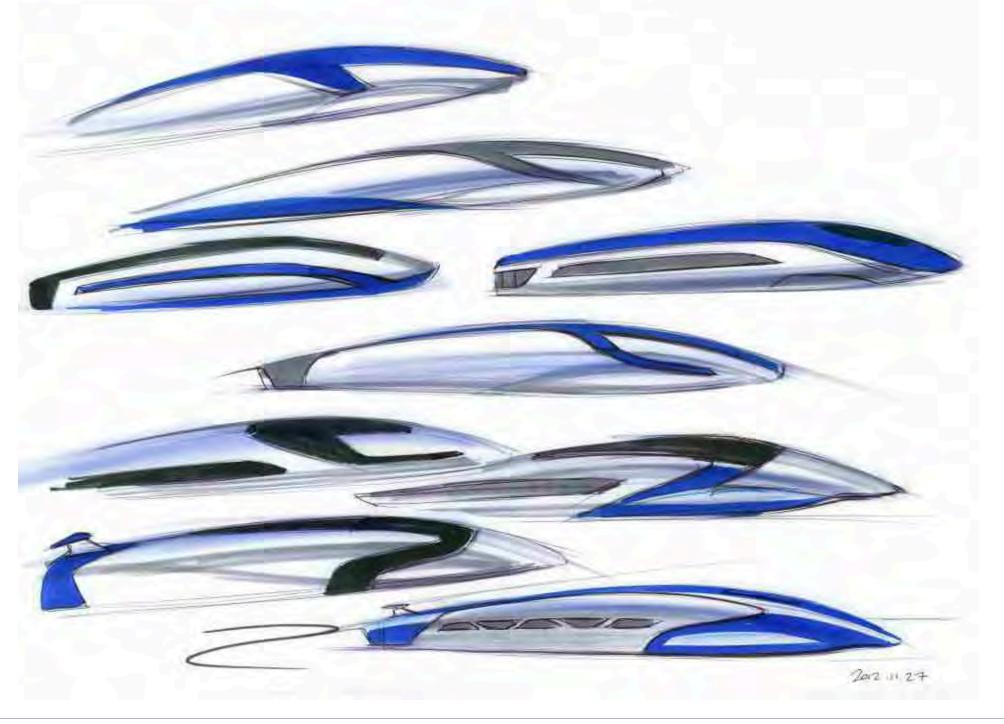




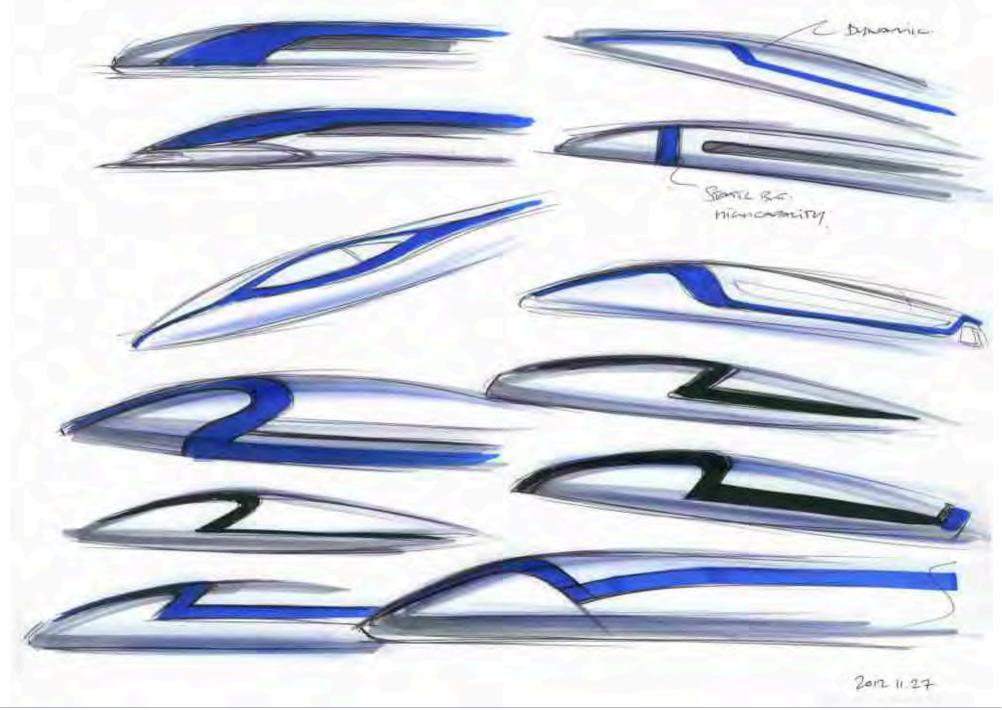


HS2 Ltd Train Parameters Study





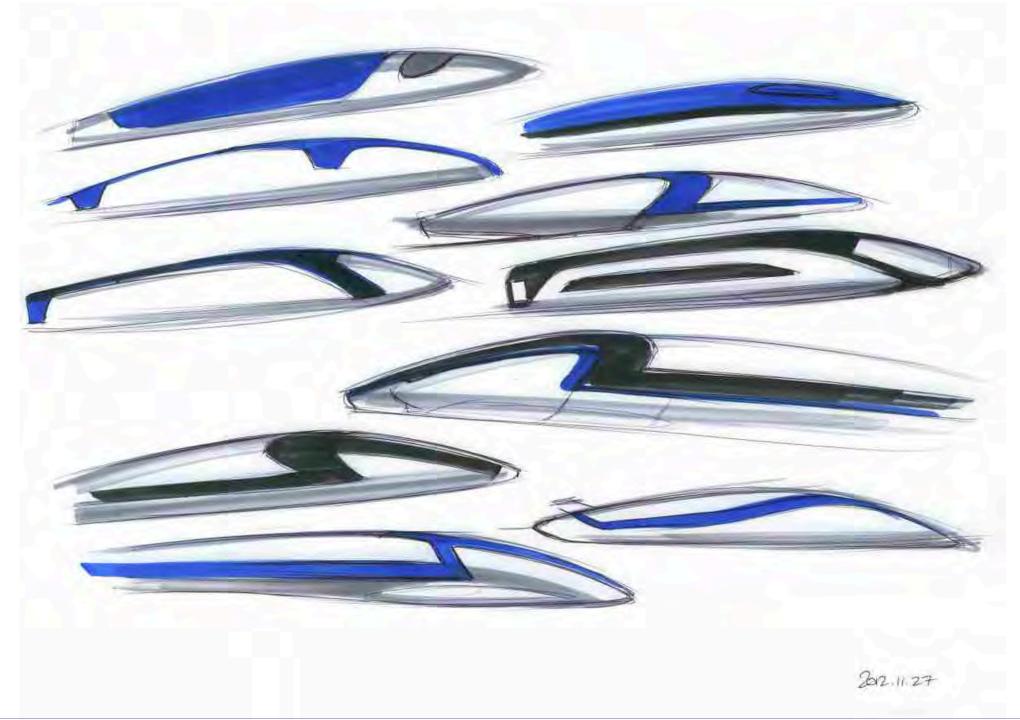




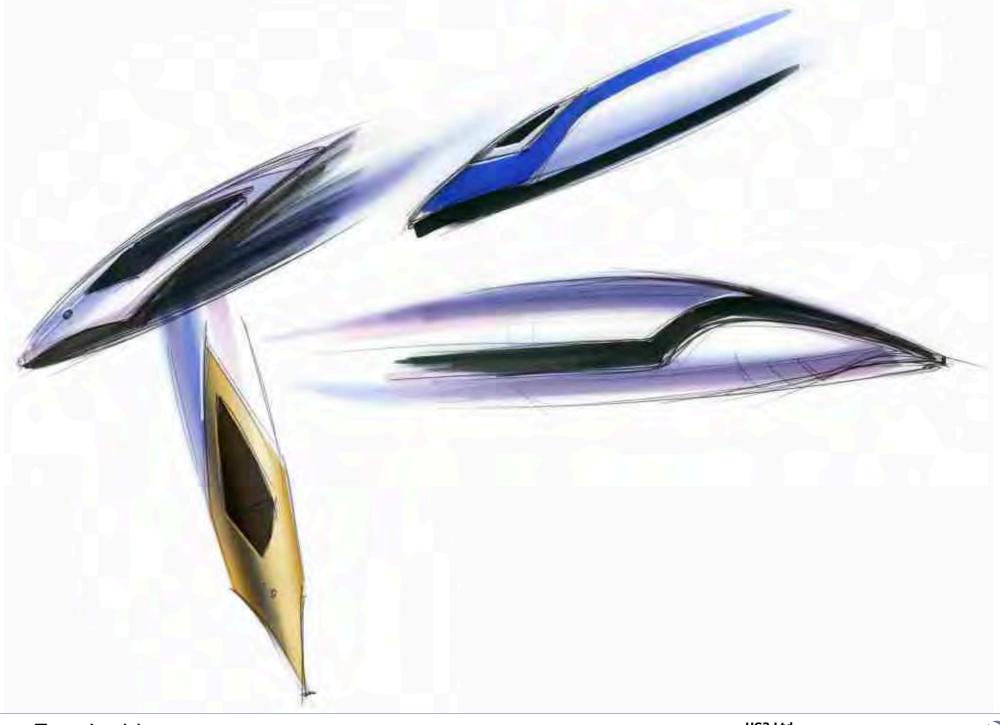






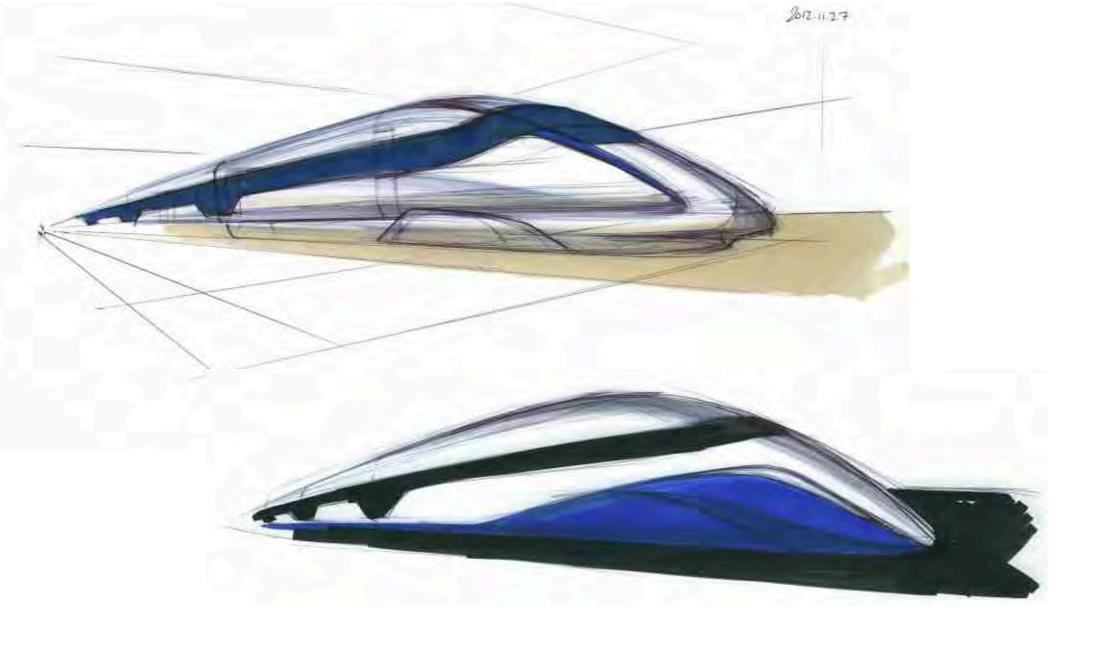




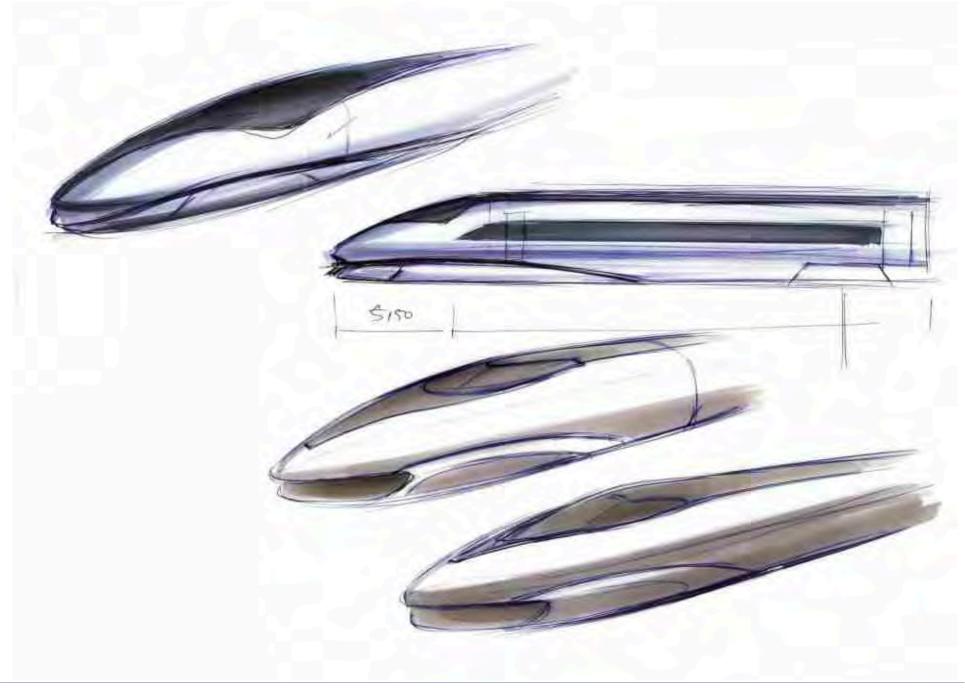


HS2 Ltd Train Parameters Study

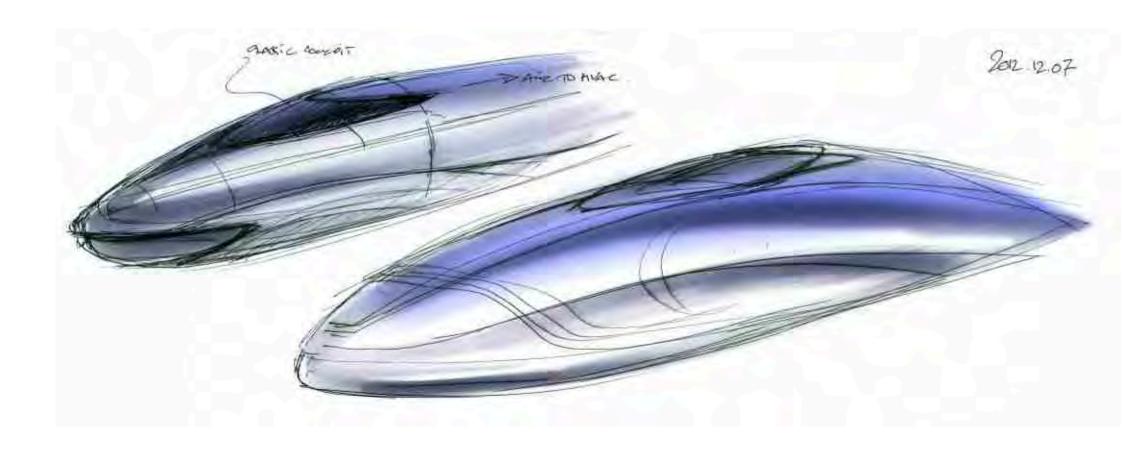




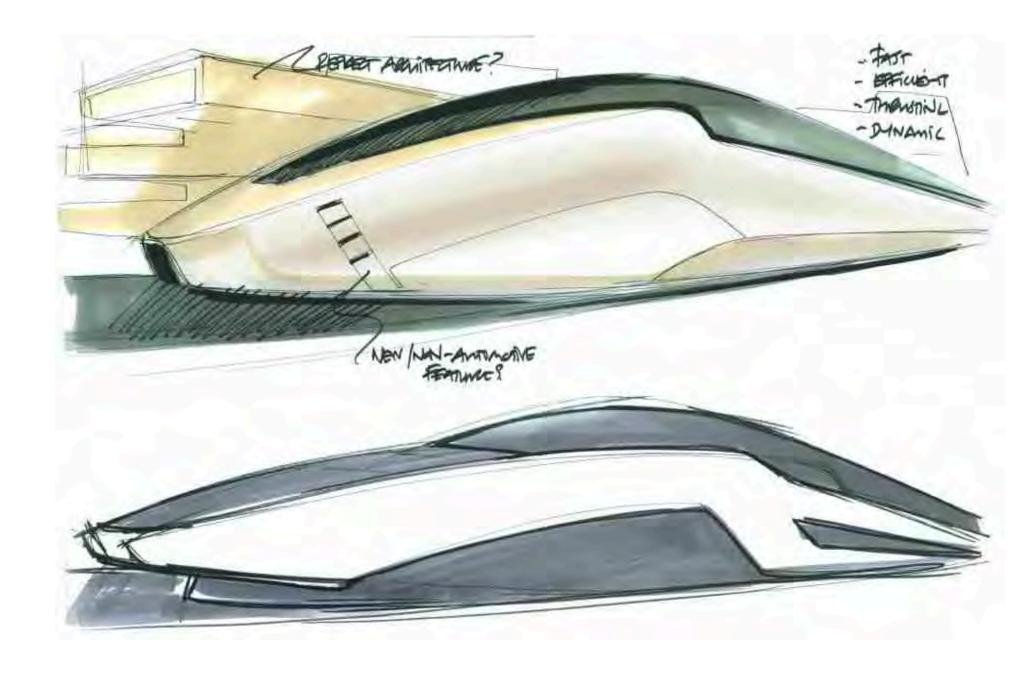










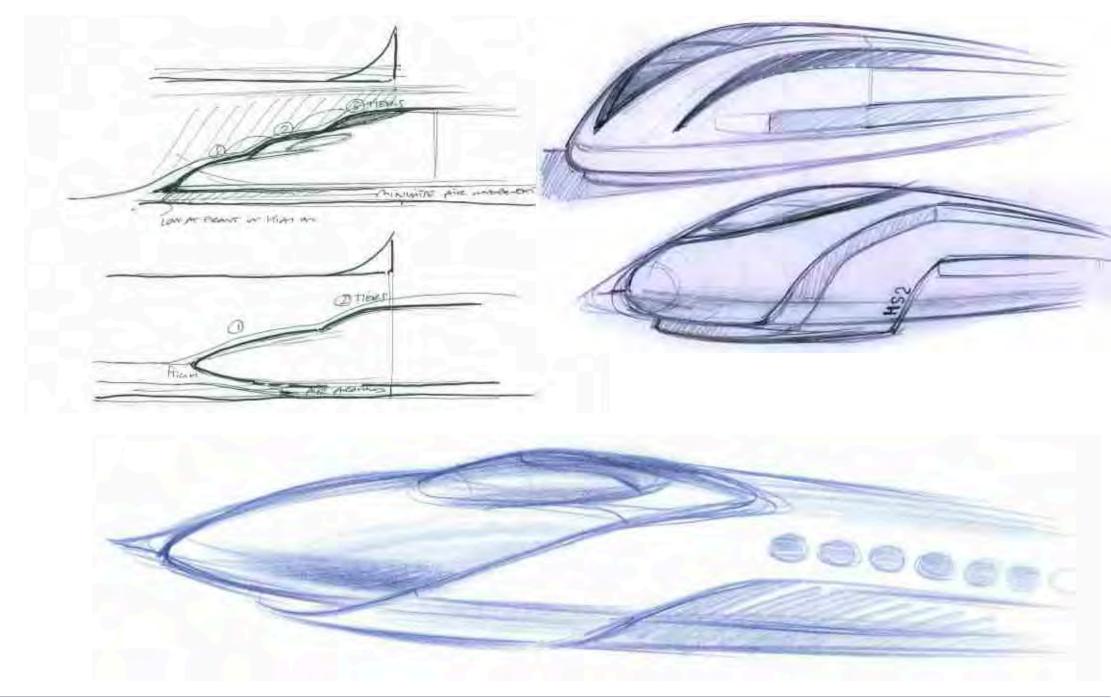


british prestige character individuality

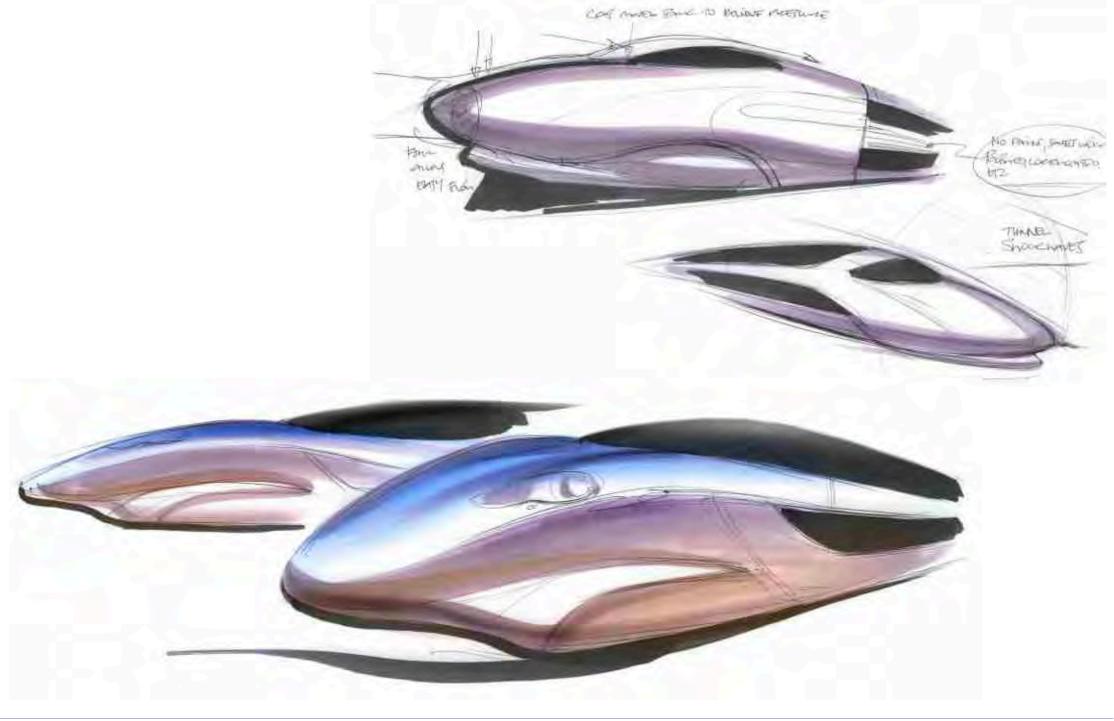




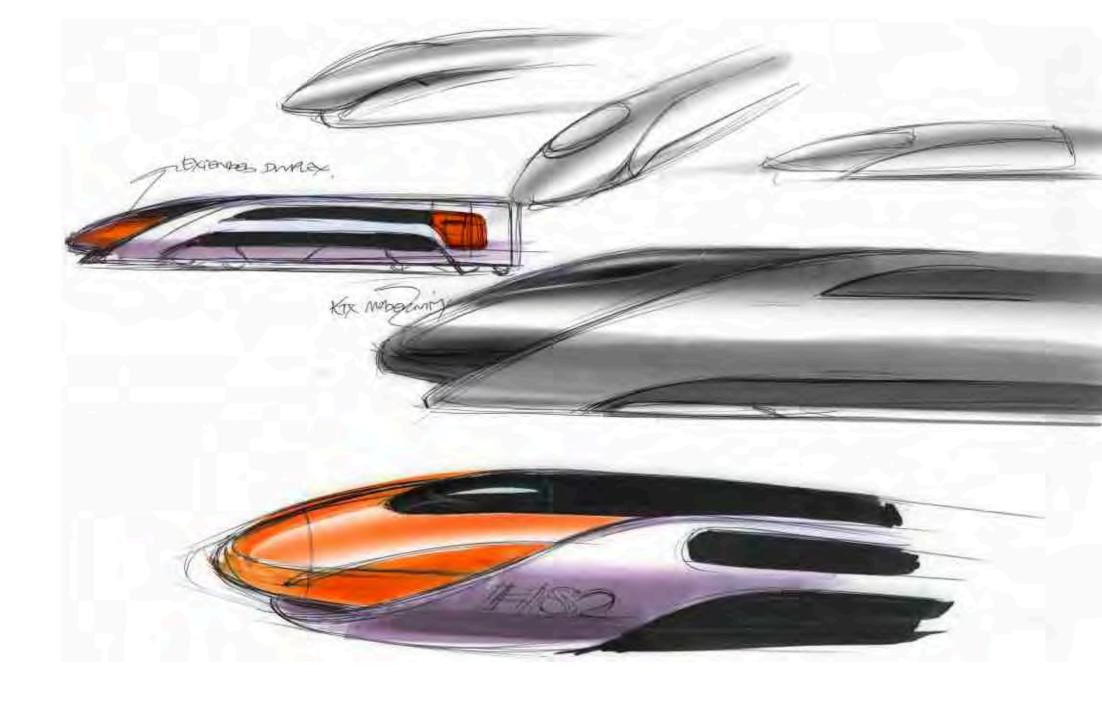
bullet aero eastern







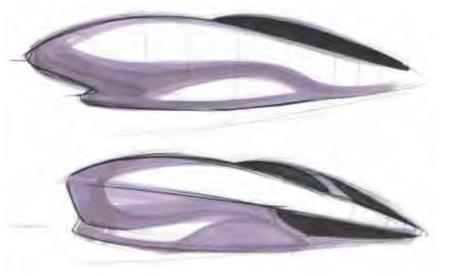


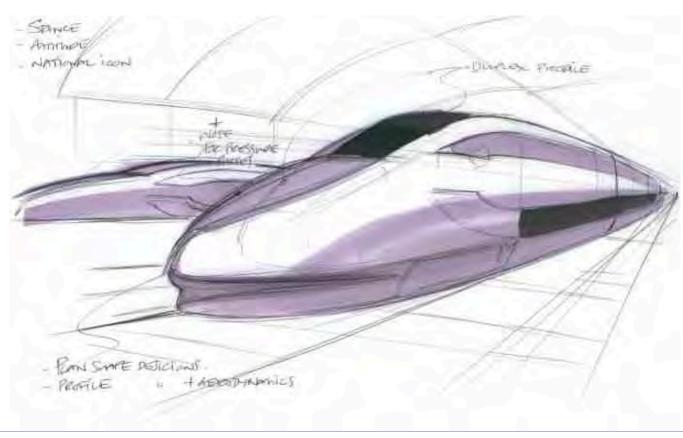










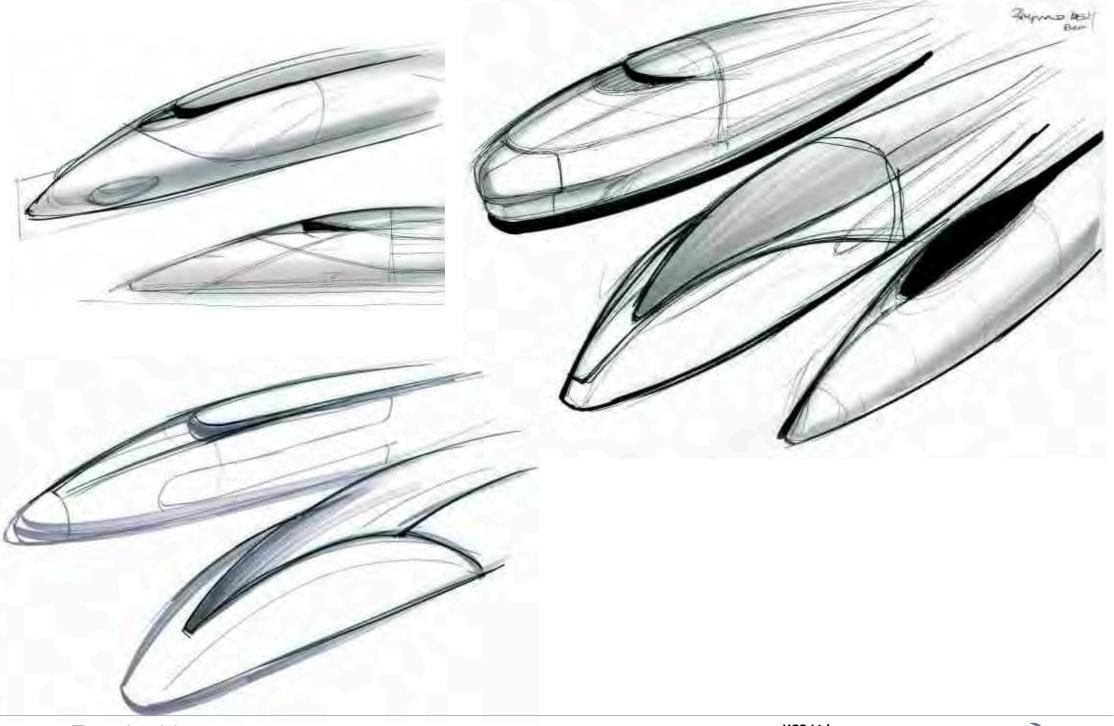






HS2 LtdTrain Parameters Study

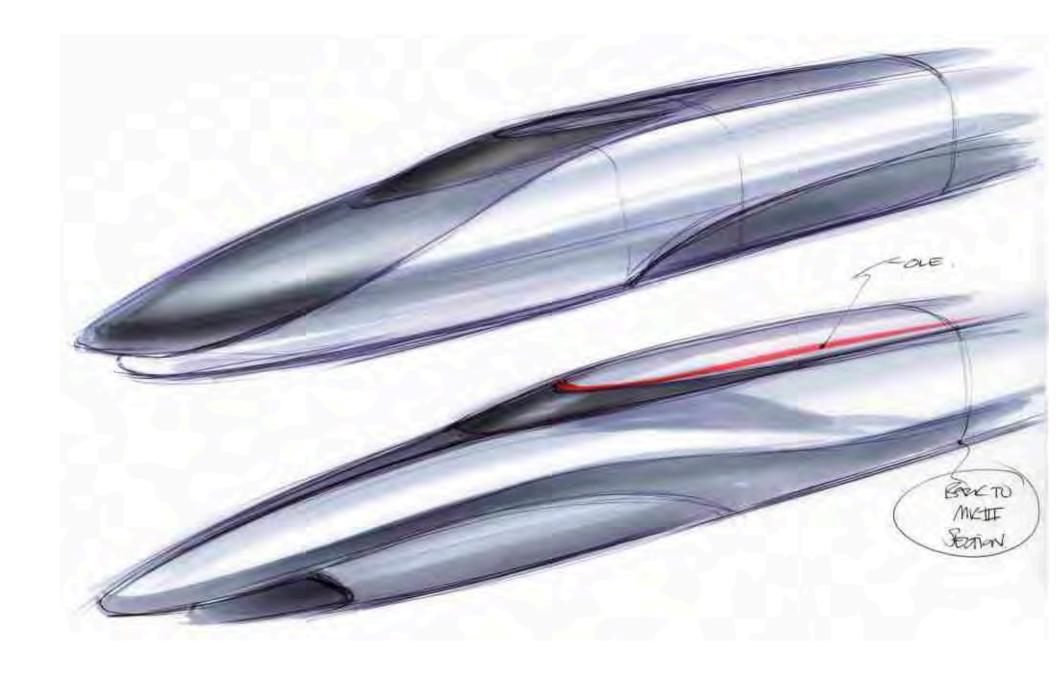




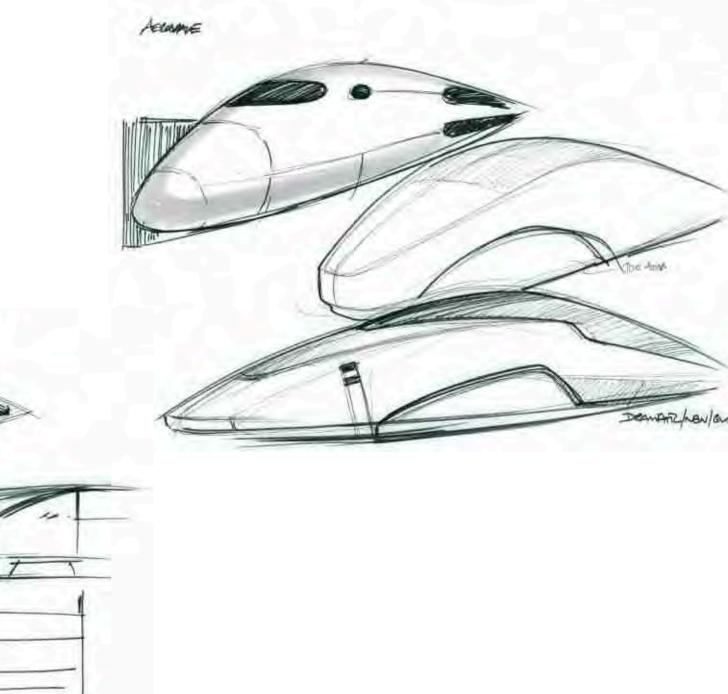
Exterior ideas

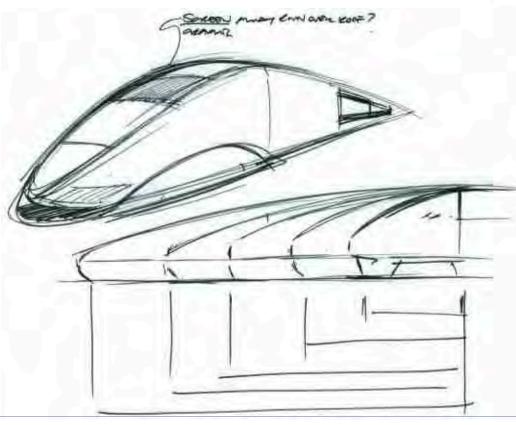
HS2 Ltd Train Parameters Study









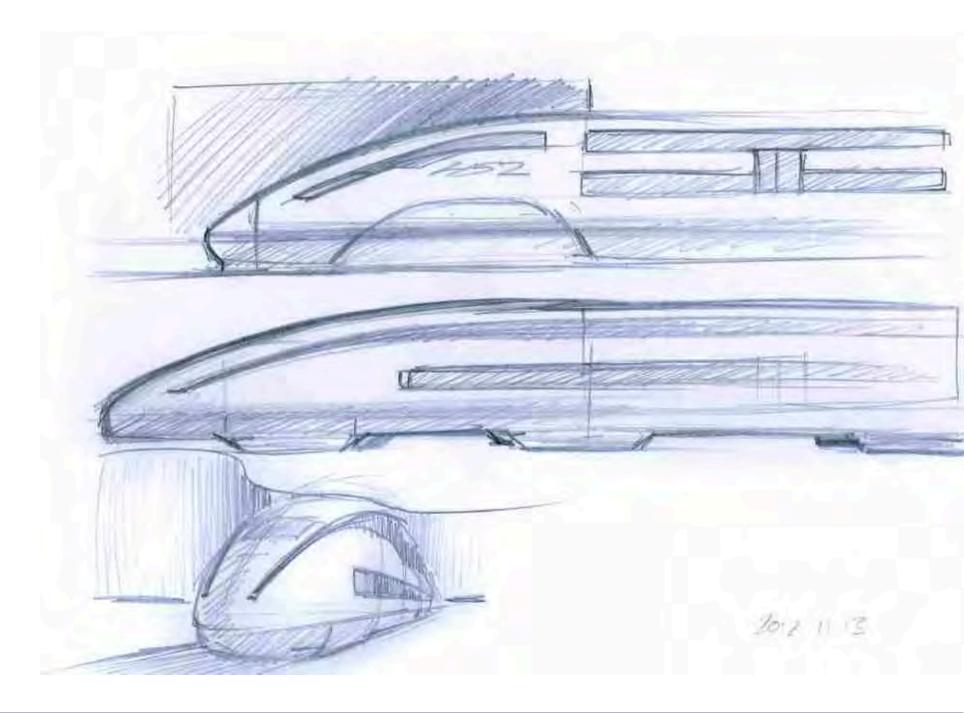


Exterior ideas

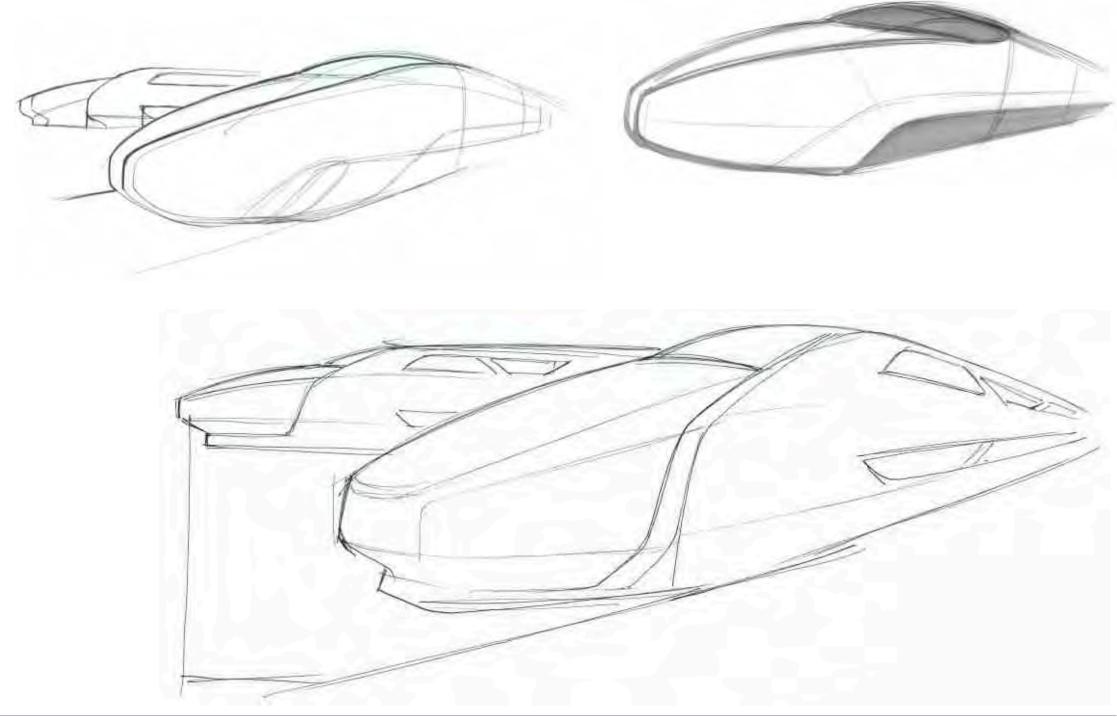
HS2 Ltd Train Parameters Study



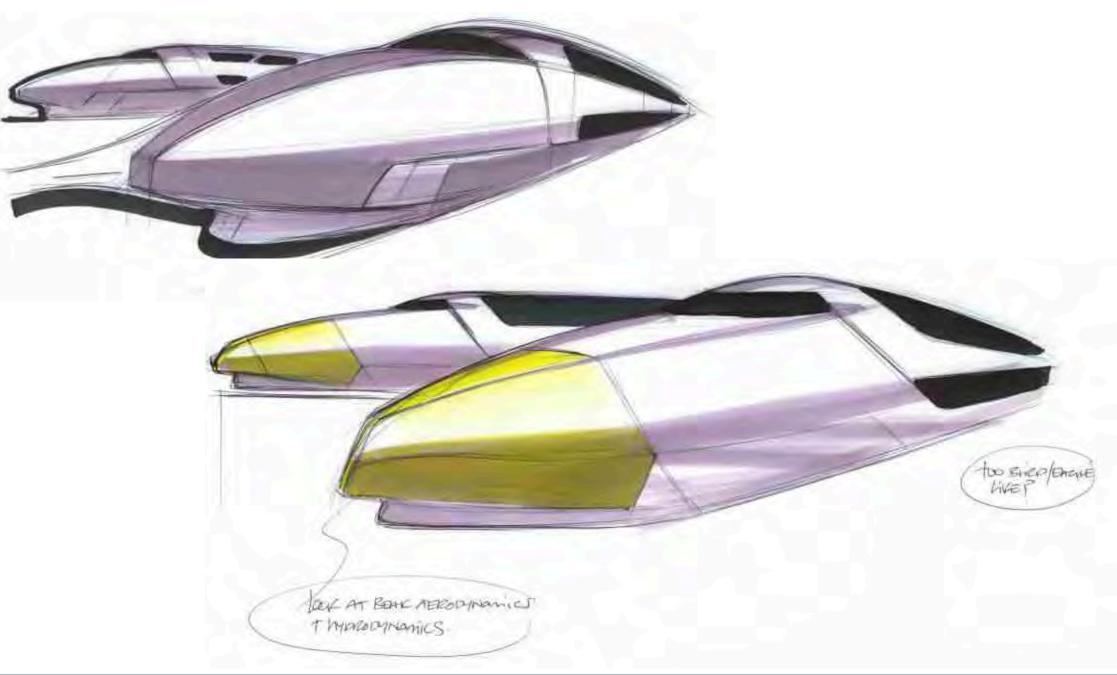
french duplex





















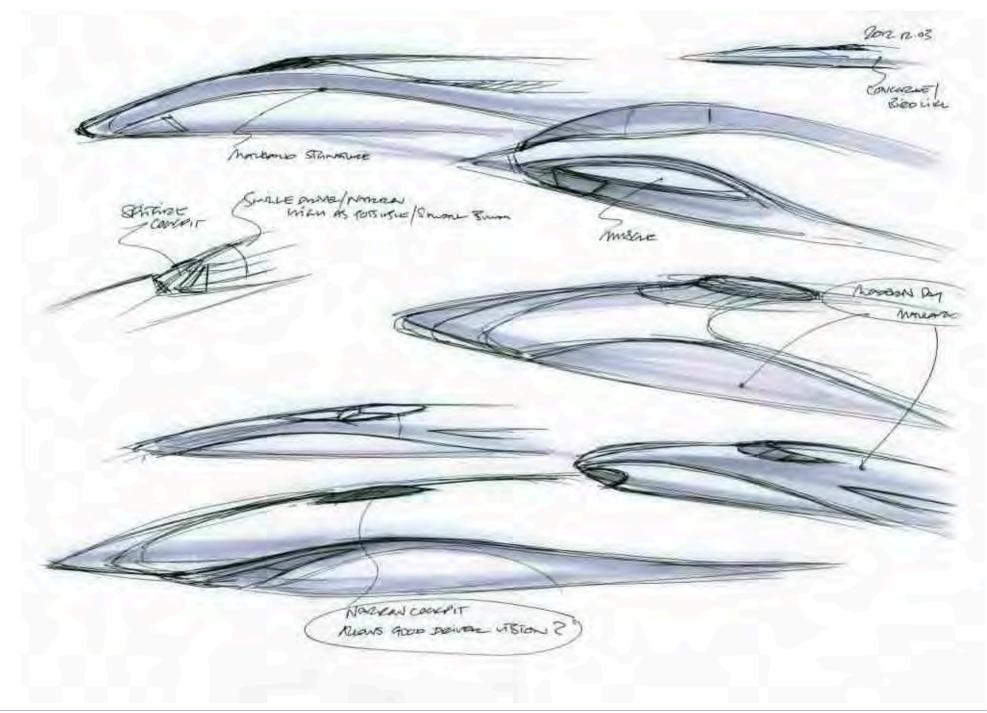
radical experimental research





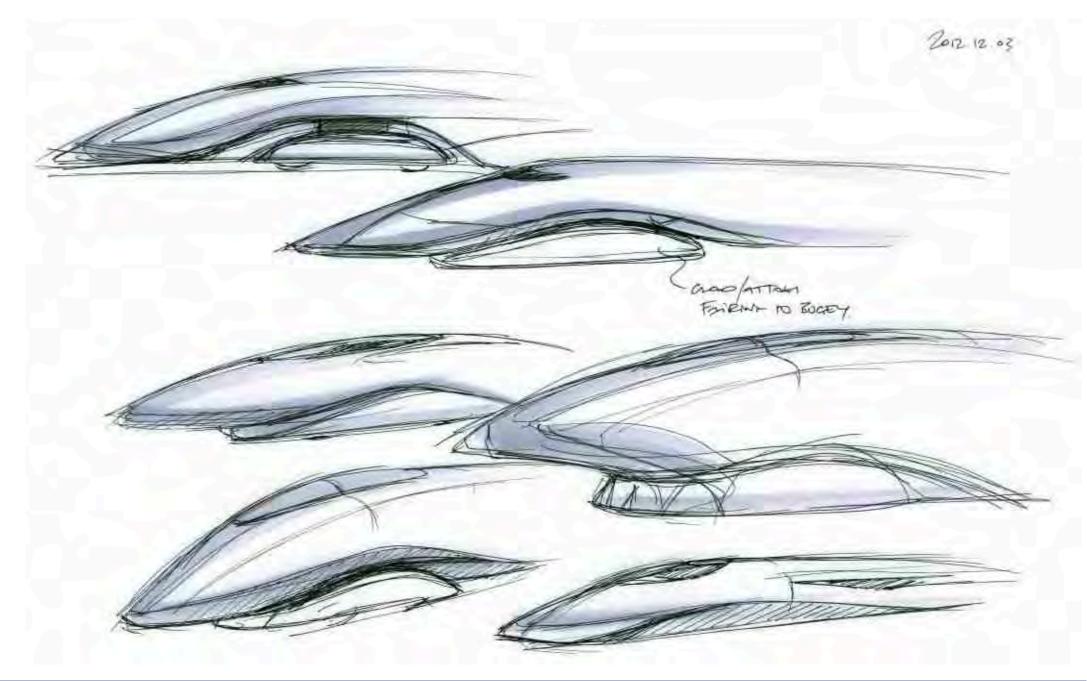




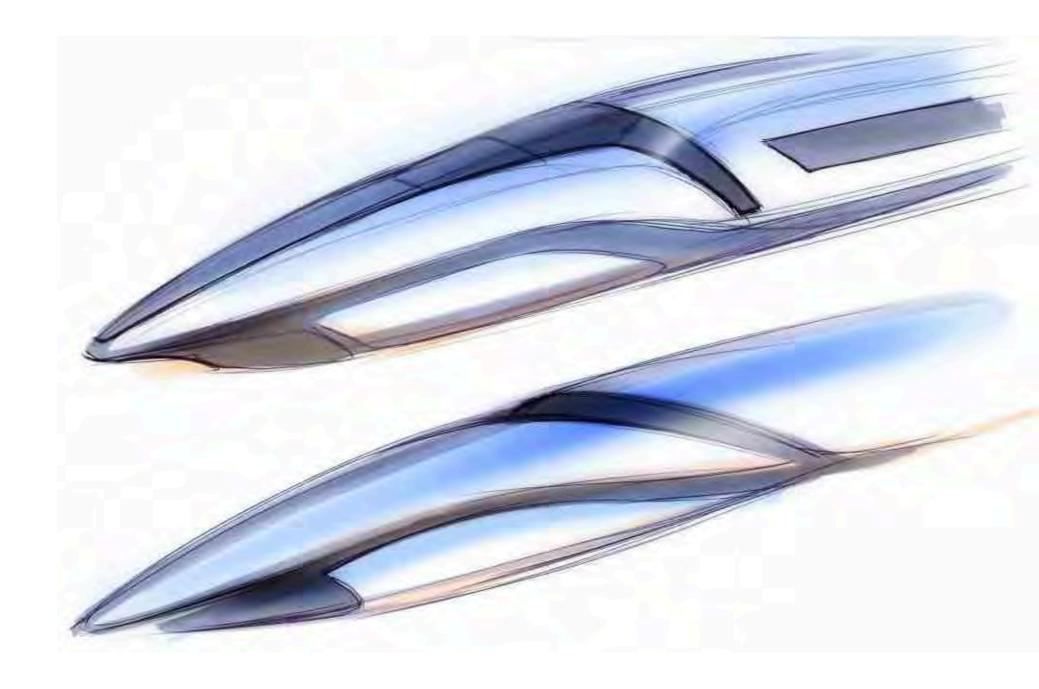




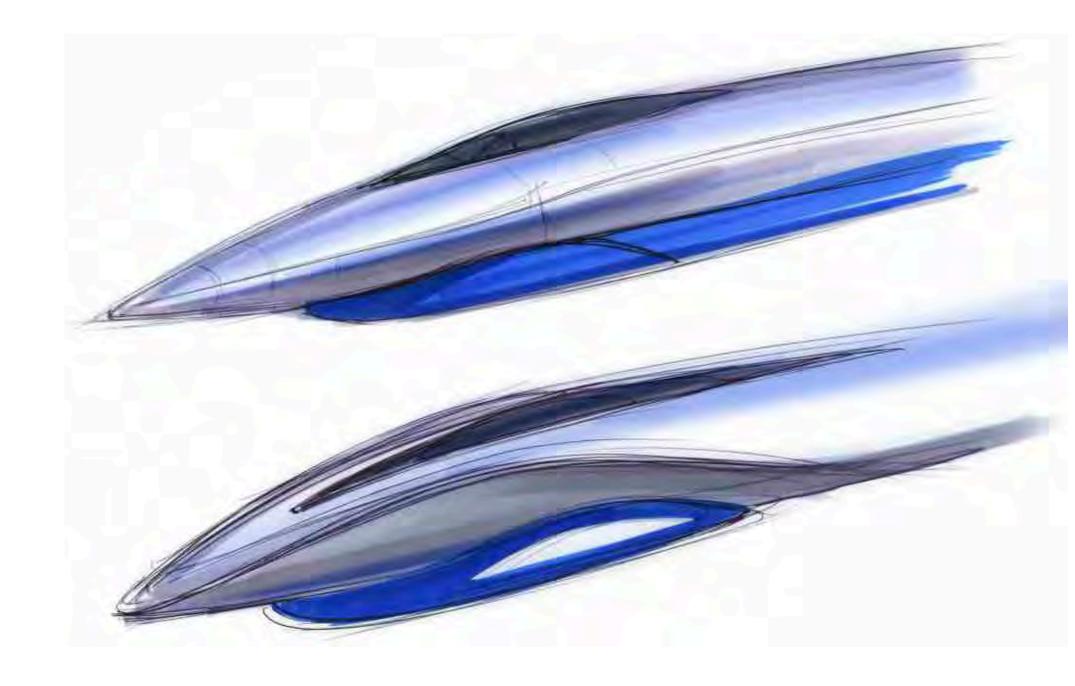




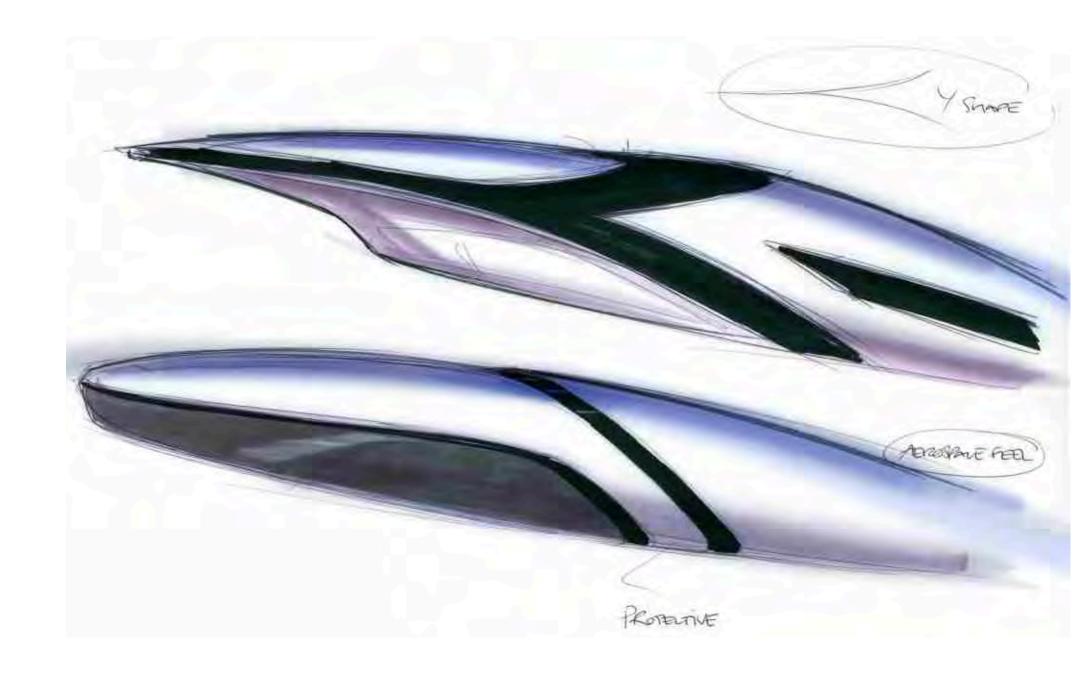




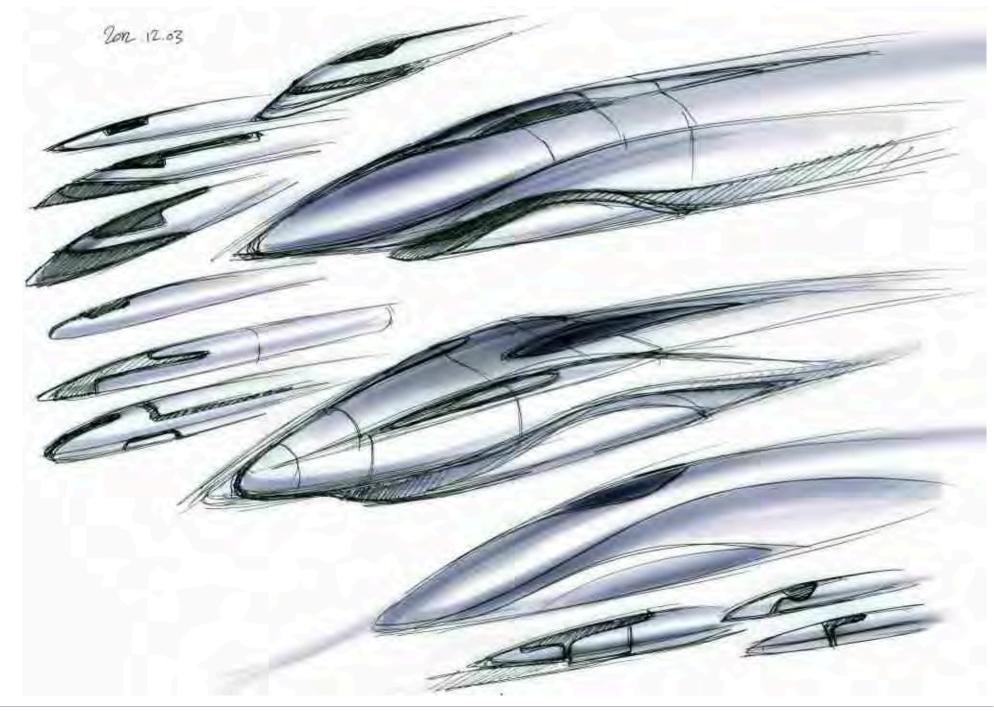




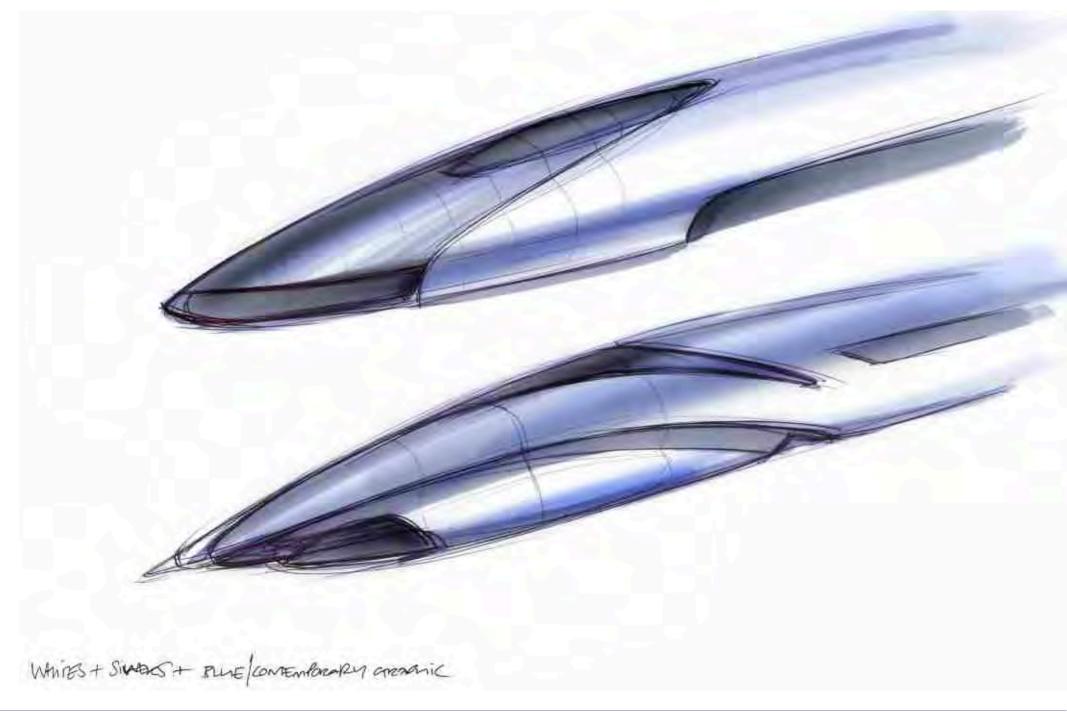




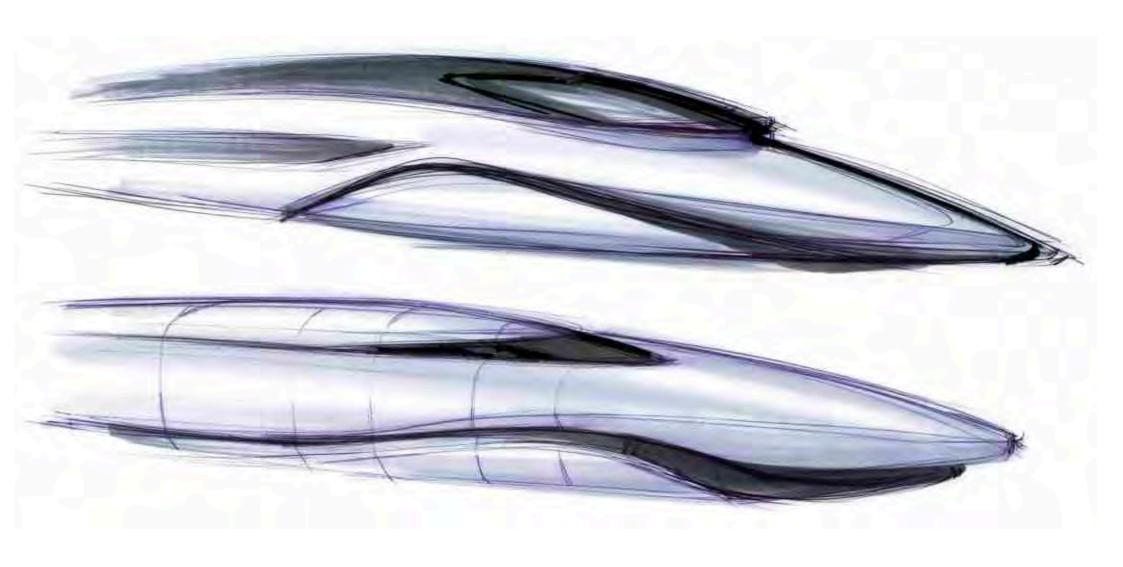




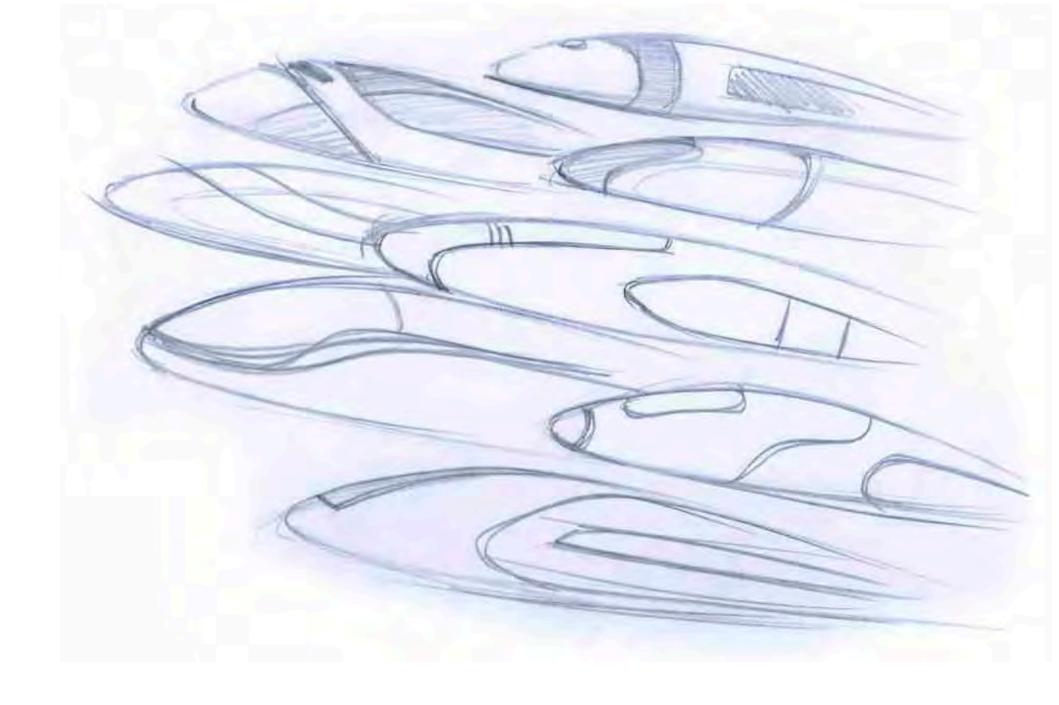


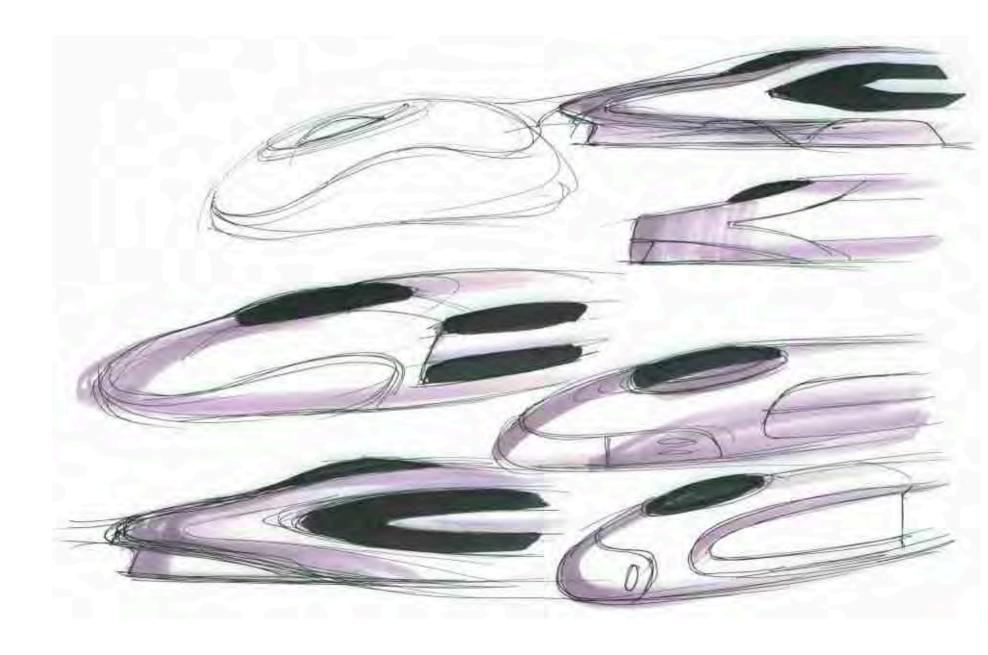






industrial product graphic







slim contoured space saving



Seating ideas - misc



headrests



Seating ideas - misc

HS2 Ltd Train Parameters Study





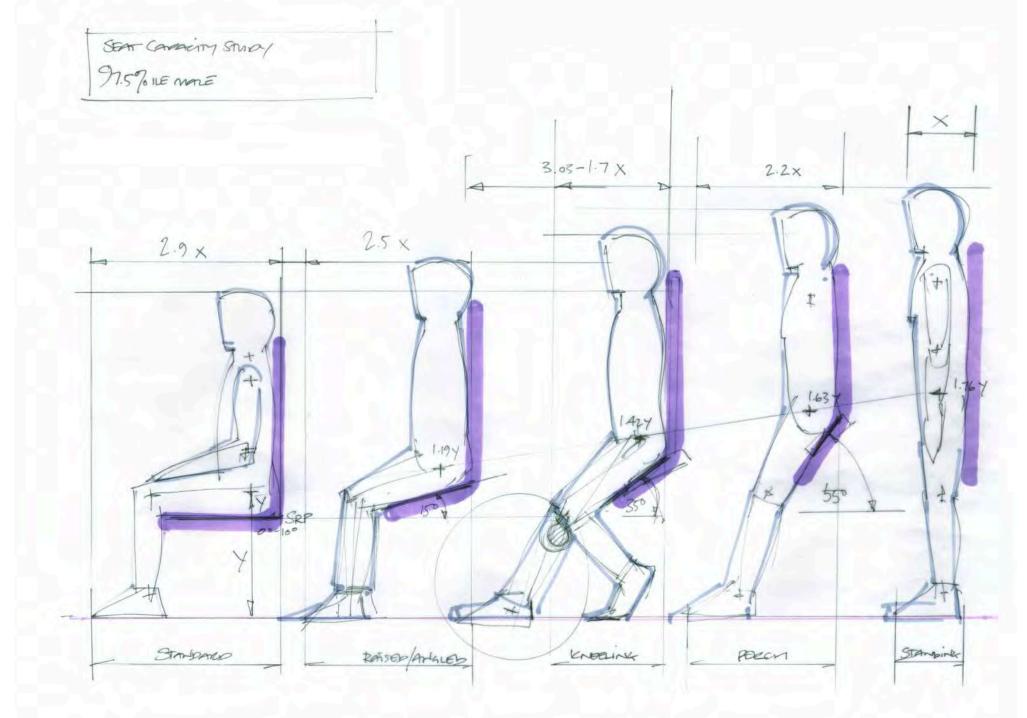
Seating ideas - misc

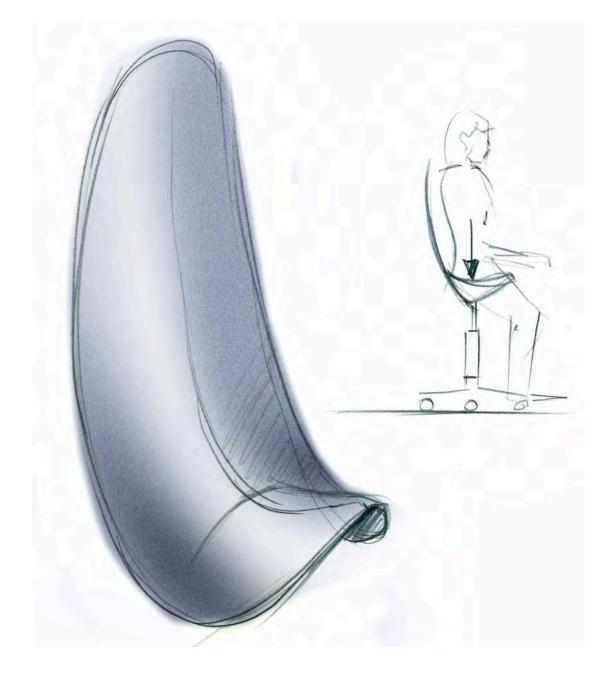
HS2 Ltd Train Parameters Study



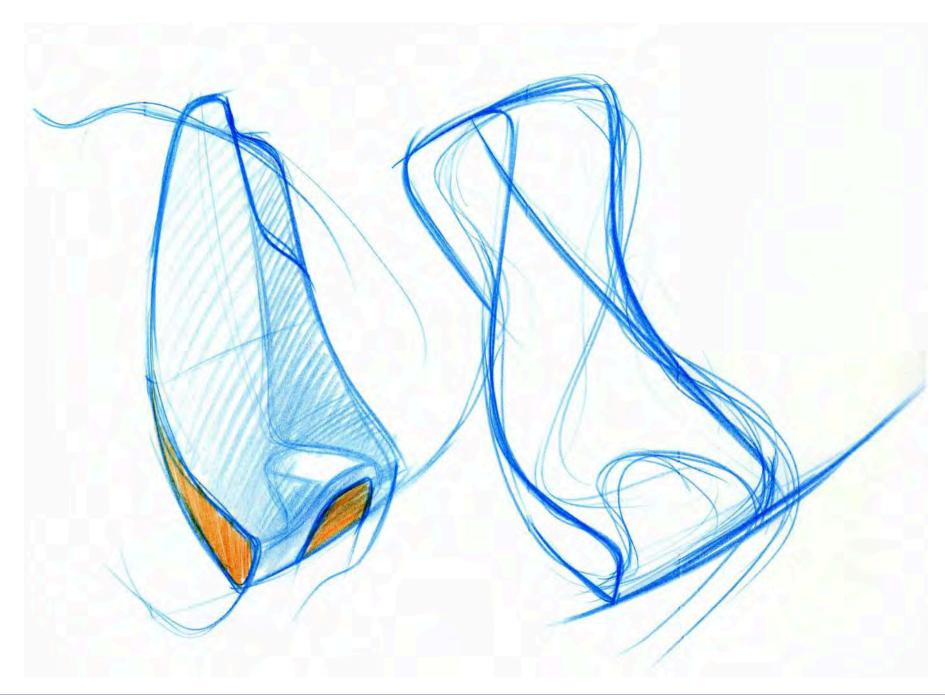
perch saddle posture







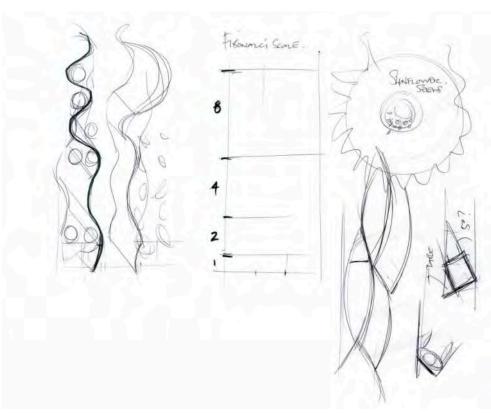


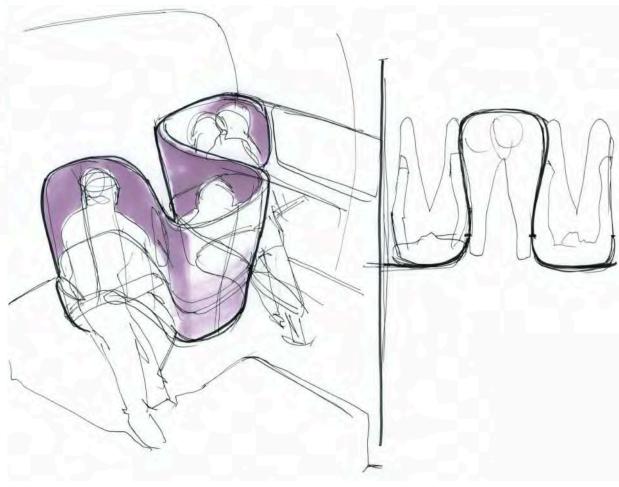


HS2 Ltd Train Parameters Study

coracles fibonacci

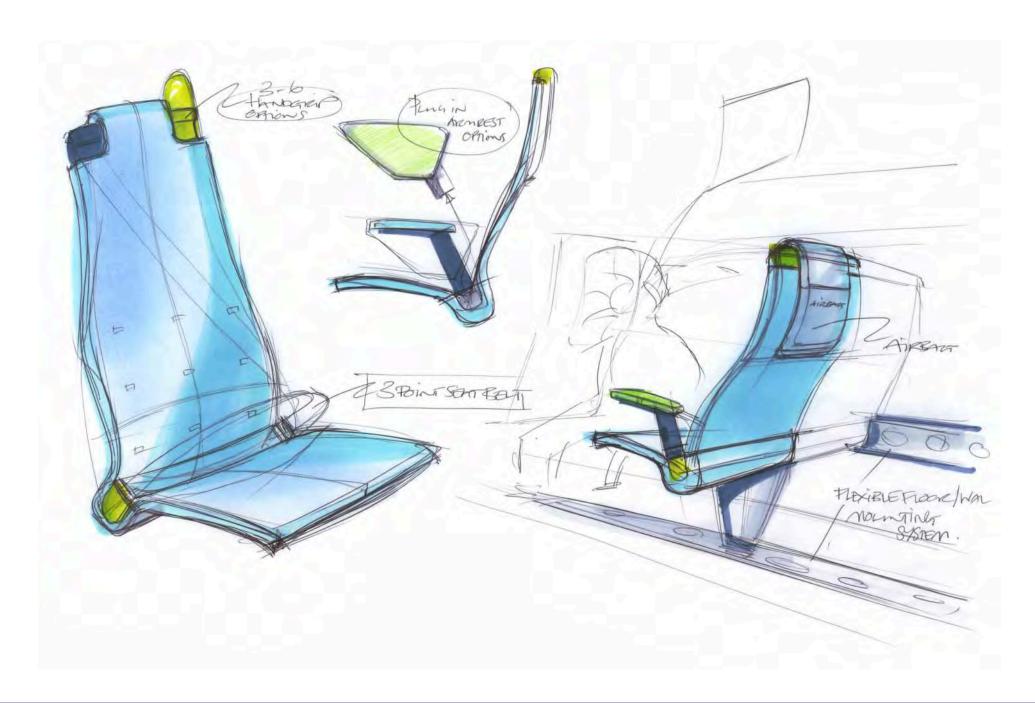


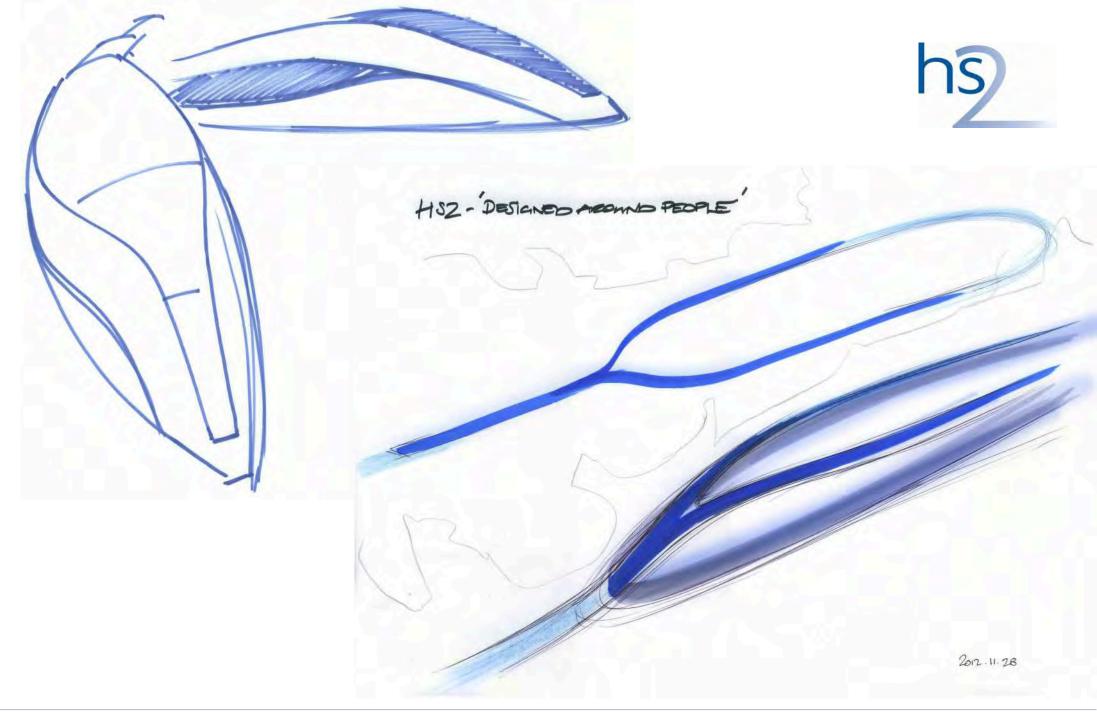




seat belts airbags modularity

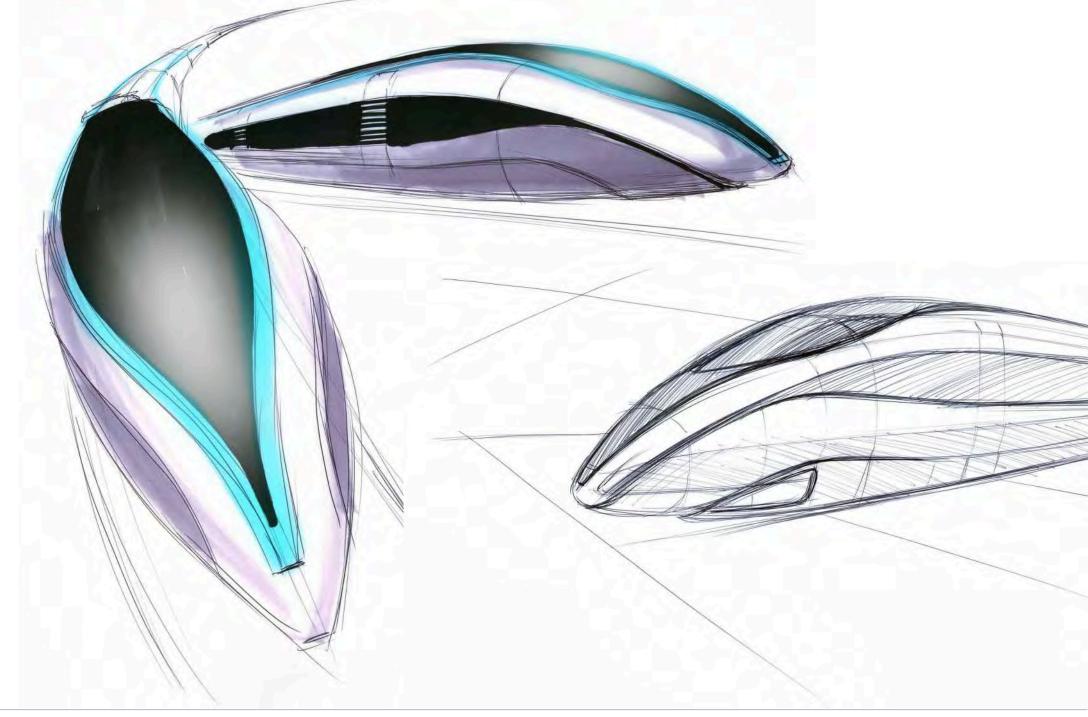






HS2 LtdTrain Exterior
Concept development





Concept development

HS2 LtdTrain Exterior
Concept development

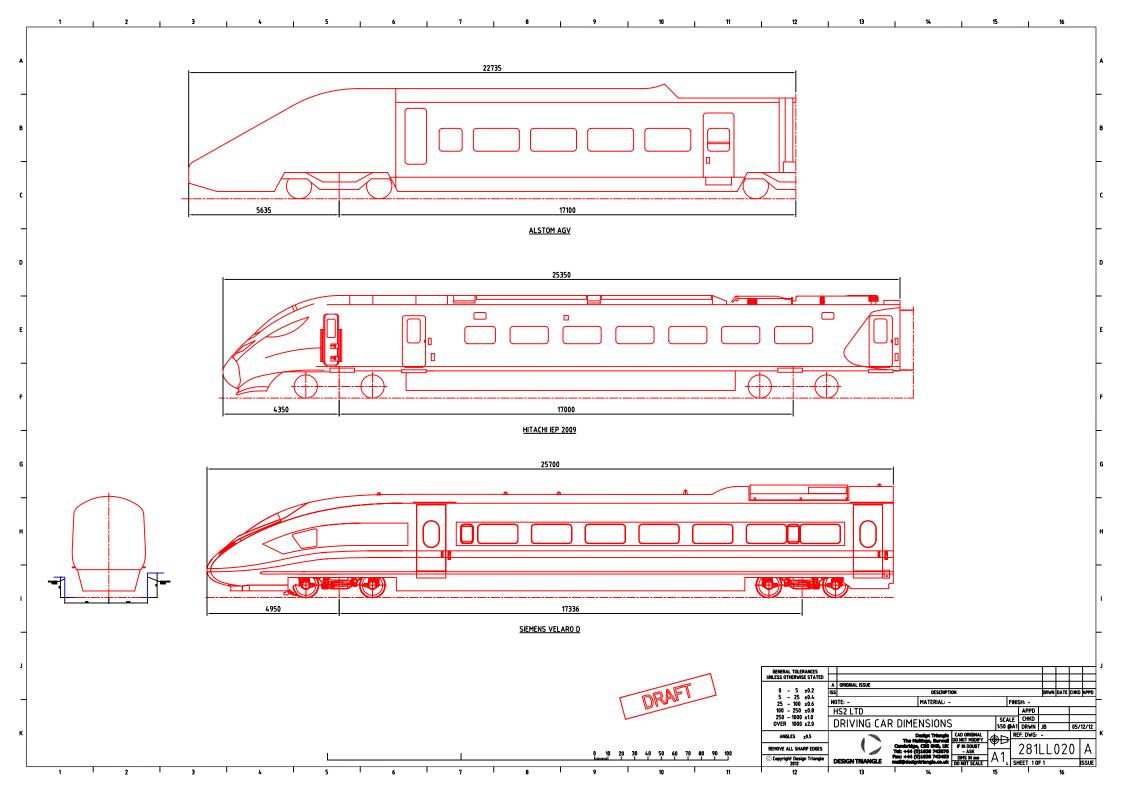


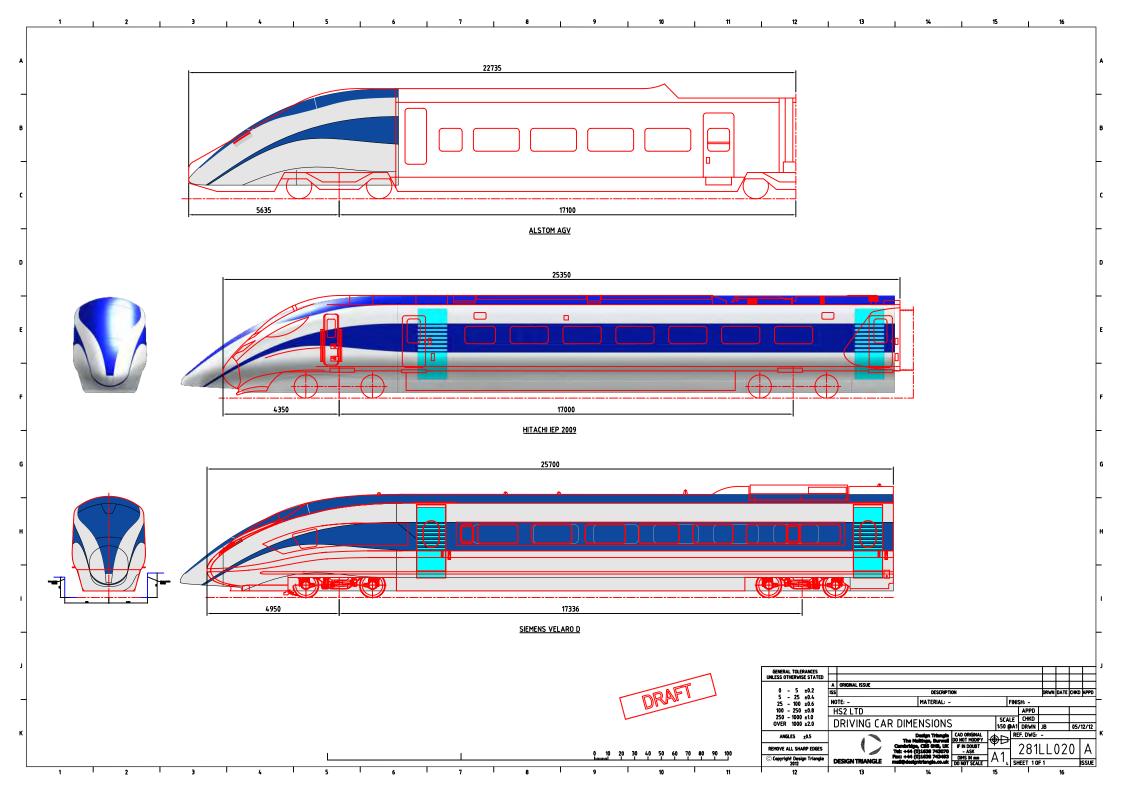


Concept development

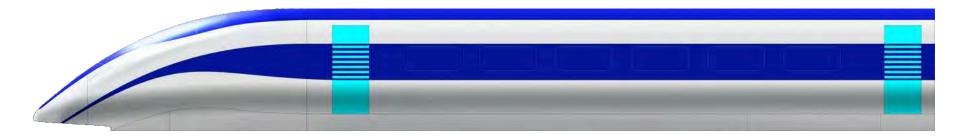
HS2 LtdTrain Exterior
Concept development



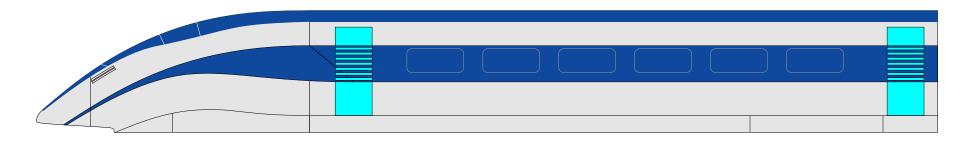












aims
iconic
sexy
modern
british
elegant
fast
abstract
contemporary
ultra clean

influences concorde mallard bluebird like dart arrow quicksilver bullet key features
Y cab screen graphic
silver/white/neutral bodycolour
blue coated glass & livery colour
distinctive door markings
forward sweeping
fast flowing
sinuous
fluid
slick

names
Ypsilon
Y Train
Yolante
Yu
YourTrain
Y1
Y-FLEX

Concept development

HS2 LtdTrain Exterior
Concept development





fast iconic desirable

exterior

1.1 Vehicle Spirit

People are passionate about High Speed trains. They symbolise the human spirit to explore and succeed.

Whole nations are defined by the efficiency and character of their transportation systems and trains. Shinkansens are inextricably Japanese, the TGV is a potent national symbol of France and Germany has it's super efficient ICE's. In the same way HS2 will become a potent symbol of progress for 21stC UK.

HS2 needs to reflect the aspirations of '21st Century Britain' and ensure it connects with peoples emotions - clearly demonstrating the benefits and relevance to their lives and neighbourhoods.

Inspiring British icons from the past and present share one goal in common - to be the best:

Mallard Spitfire E-Type The Mini Bluebird

Concorde Routemaster (old & new)

HS2 is the next chapter in the UK's historic rail heritage - inspiring future success for the nation.







Train Exterior
Brand positioning of vehicle



1.2 Iconography& Experience



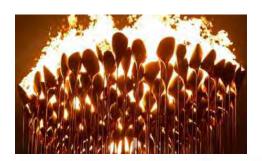






In recent years there has been a large increase in iconic architecture, public art and 'feel good' collective experiences such as the 2012 Olympics and The London Eye.

hs2 should aim to be as memorable as the best of British Icons an experiences:







Modern British Icons

1.3 Britishness

Many attempts have been made to define Britishness and recognise what characteristics make a design Classic.

In product design it's about:

- responding to circumstances
- durability
- innovation and new technology
- efficiency
- individuality
- entrepreneurial spirit





1.4 Colour Palette

neutrals



green

blue

yellow





















neutral modern timeless aerospace technology

positive strong aggressive LT LMS Coronation Scot british racing green heritage GWR hs2 brand mallard heritage GNER Javelin visibility
compliance
uk rail
yellow and white is synonymous
with Eurostar vehicles

silver white gunmetal black













1.5 So what Colour is HS2?

When someone buys a new car one of the first questions people ask is what colour it is?

Colour is an emotive subject and everyone responds differently. To appeal to the maximum number of people the HS2 livery colour will require careful consideration.

For many high speed train operators across the world white is a default colour, think China, Germany, Spain. It symbolises cleanliness and efficiency and provides a contrast with the landscape, window treatments and decal feature colours. However, in the UK lobbyists have suggested that HS2 is a 'white elephant', so it may be worth considering something different.

For example, British Racing Green was for many years the international racing colour of the UK, it has positive associations with racing heritage, blends in well with the landscape and is not currently used by any UK rail operators.

british racing green heritage GWR







1.6 What's in a Name?



The Spitfire was originally to be called the 'snipe' or 'shrew' - enough said.

Many factors effect the naming of a product or service. The HS2 train effectively already has a product name - so is there any reason to change?

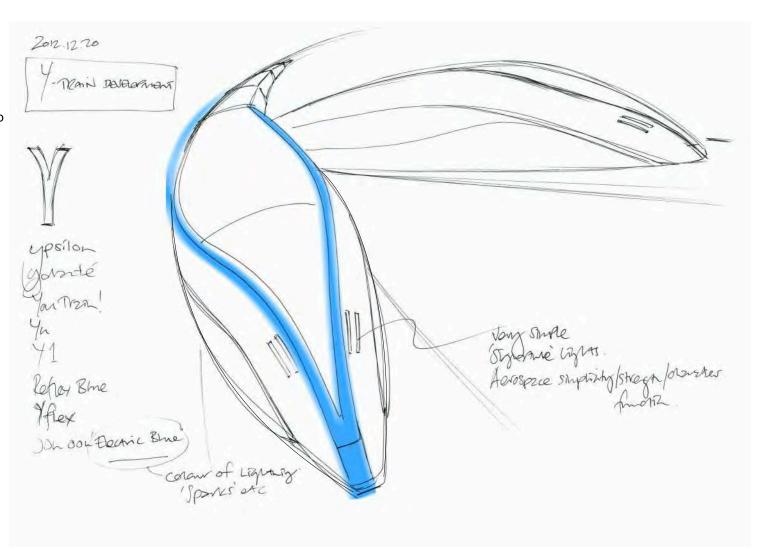
A product brand name should be:

- memorable
- support the positioning of the brand
- protectable
- describe it's function
- dynamic
- melodic
- meaningful
- distinctive

Some good examples are:

- Mini
- Range Rover
- iPod
- Coca Cola

A name such as 'Ypsilon' sounds dynamic and reinforces the narrative of the 'Y' shaped route, but as with many names it is already used by the car industry.



1.7 Exterior **Experience**

fast

exclusivity. A high performance train gets you there

quicker, safer - and someone else does the

Supercars comfortably exceed 200mph. They are all about performance, style and

HS2 is really a 21st Century Supertrain.

- muscular
- confident



HS₂ aims to set new industry benchmarks:

- consistently show results superior to those achieved with other means
- used as a benchmark
- service offer not based on 'class'
- universally accepted
- reliability

benchmark

desirable

desirable products offer the right combination of great product and interface design, and a form that supports and enhances the brand strategy

offer value with clear benefits to passengers at all levels:

and passenger experience

- functionality

- achieve good balance between cost

- in touch with modern requirements



iconic

- instantly recognisable and loved

ease of use

products that are too complex, unclear and difficult to use - fail.

value

- ergonomics
- access
- clear information
- help and customer service





- become an iconic national symbol - encapsulate UK aspirations

marketing tool.

- relevant product to the nation
- quality control across the board

In modern car design nothing is left to

chance. While owned by BMW and VW, the Britishness of brands such as

Bentley and Rolls Royce is where the

value is, and it's used as a positive

britishness

SINGLE DECK



Alstom AGV NTV iTalo



Bombardier ZEFIRO CRH A₃80



Siemens VELARO

DOUBLE DECK



TGV DUPLEX/DAYSE



JR SHINKANSEN E4 19997-2003 now out of service



MERCURY CONCEPT
Speculative design project



space privacy flexibility

1.8 Interior **Experience**

control

- direct control over personal lighting, heating and personal environment
- order food on smart-table menus

Space hs2 is all not about capacity, it's also about providing a quality passenger experience. Creative design solutions will help create unique spaces:

- enough space for me
- enough space for my luggage near me
- enough space for my group
- imaginative saloon layouts
- good utilisation of small spaces
- step improvements over standard solutions

ambiance

- adjustable light levels
- areas with different character, mood, trim levels and finishes
- colour used for psychological/ emotional well being rather than
- design for all the senses

corporate

facilities

- offer a range of new ground breaking facilities
- zones offering tailored journey
- luggage storage near you
- quality food on-board

sociability

flexibility

build in flexibility to change and adapt

layouts and facilities to provide

different customer experiences

- over lifetime of vehicle

- seasonally

- log on to HS2 network, on-board social networking
- communal spaces
- shared experiences
- gig/lectureZONE

privacy

- areas for group and individual privacy
- compartments, meetingZONES etc
- seat pods
- acoustic treatments
- interactive smartglass room division

individuality

"you are an individual"

- hs2 offers a wide range of new ground breaking "zones" configured to suit different journey requirements
- you choose a journey experience tailored for you

Interior Experience

1.9 Space utilisation





groups and individuals

modern simple non-uk aesthetic

use vertical space









intelligent use of space

innovative luggage/storage solutions

Interior mood

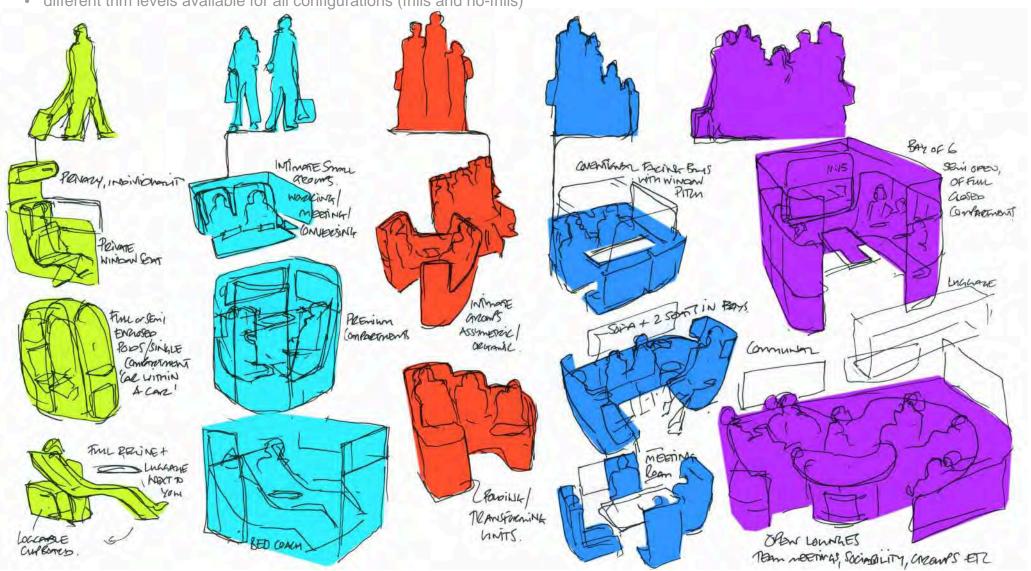




Interior Options - A Step Change

• HS2 offers a step change in the number of (pre-booked) interior options available to the passenger. Each option is tailored to specifically meet the different needs of groups and individual passengers ('you are an individual')

• different trim levels available for all configurations (frills and no-frills)



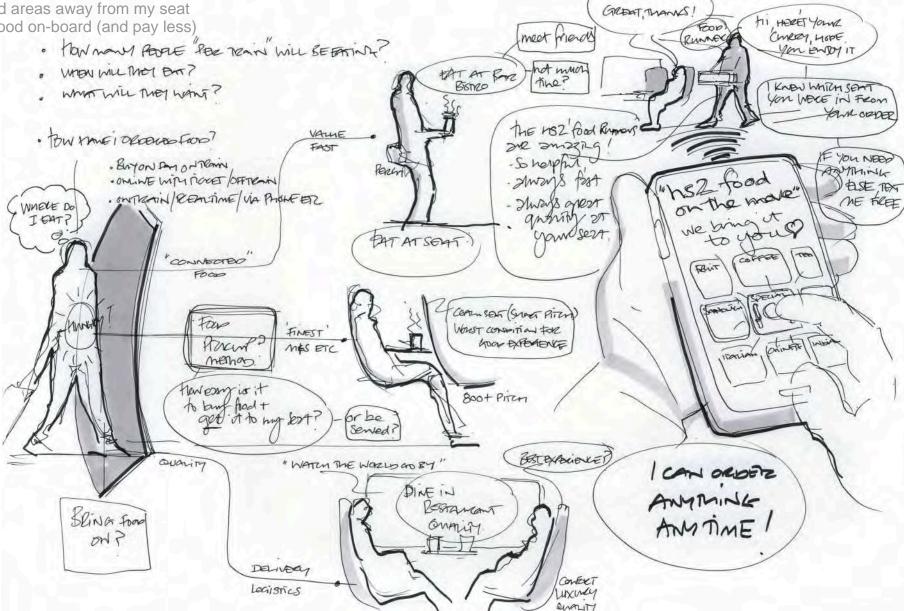
Ideally - How would you like to eat on the move?

order my food on demand via phone app 'anything-anytime' service



eat at dedicated areas away from my seat



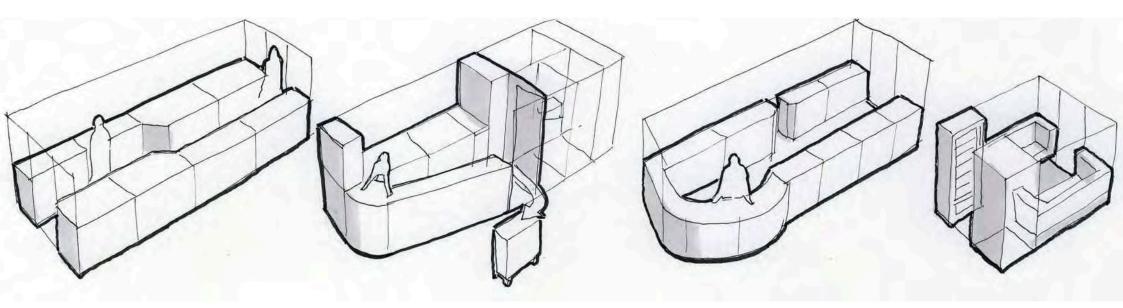


Vending/café area at the end of the car LH side hot food and drinks and manned shop/kiosk RH side cold vending and bar stool/tables standing area



Catering areas - typical solutions - certain configurations have been proven to work

- these focus on either getting the 'food to the passenger' or getting the 'passenger to the food'



IEP

- full galley/kitchen
- at seat service
- staff access only

ZEFIRO V300

- serverystaff facilities

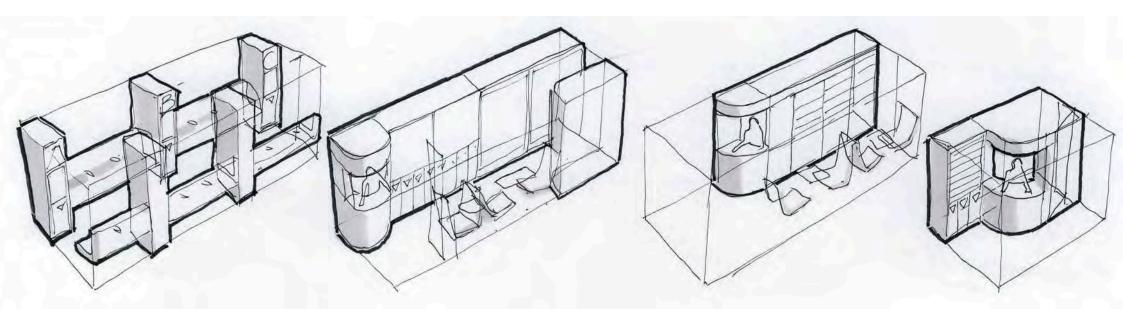
TALGO T350

- servery
- food preparation
- trolley storage

AGV/NTV BREAK

- · self service vending
- bin
- sofa

Catering areas - alternative ideas - a range of solutions has been considered



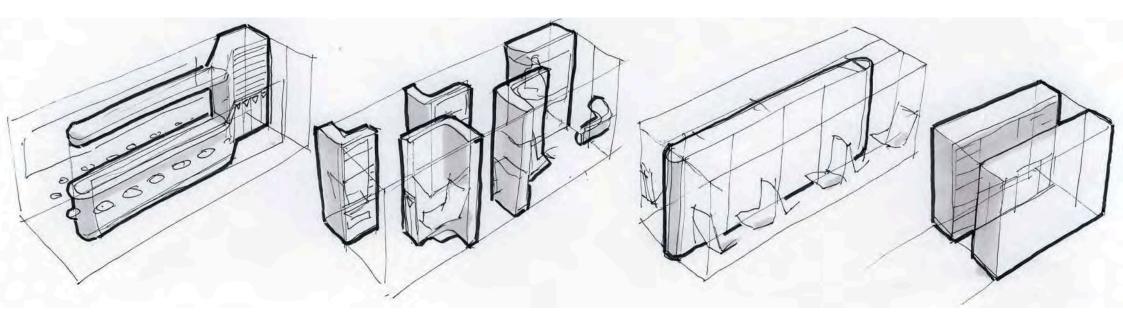
- 'themed' vending columns longitudinal sofas

- shop/kioskvending
- trolley storage
- cafe seating

- shop/kioskvending
- cafe seating

- shop/kiosk
- vending

Catering areas - alternative ideas - a range of solutions has been considered



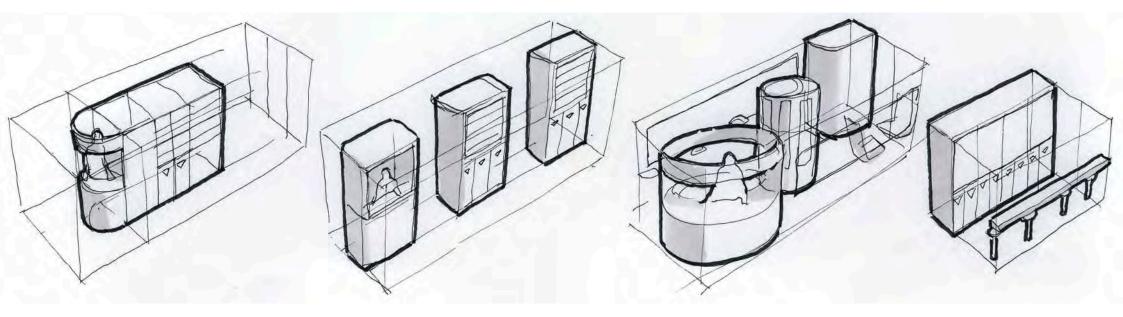
- sushi style delivery
- vending
- trolley storage

- 'themed' vending built around seats
- · 'corner shop' and perch seating

- central core of self service vending
- single seat bays along the sides

• banks of vending machines

Catering areas - alternative ideas - a range of solutions has been considered



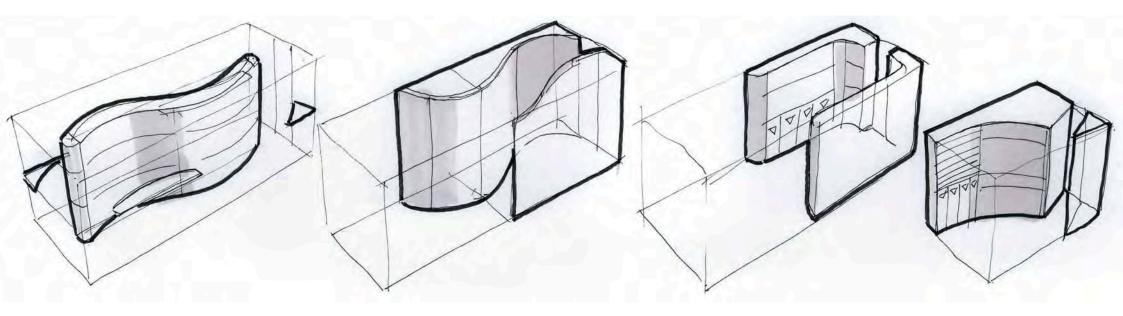
- · central island shop
- vending
- trolley storage
- perch seats against sidewalls

- · central kiosks and vending
- perch seats against sidewalls

- central shop/buffet/drinks
- hot and cold vending
- café seating
- perch seating

- bank of vending machines
- perch seating

Catering areas - alternative ideas - a range of solutions has been considered



- · curved central island
- vending
- touch screen ordering
- perch seats and tables

- · curved vending walls
- shopping mall experience

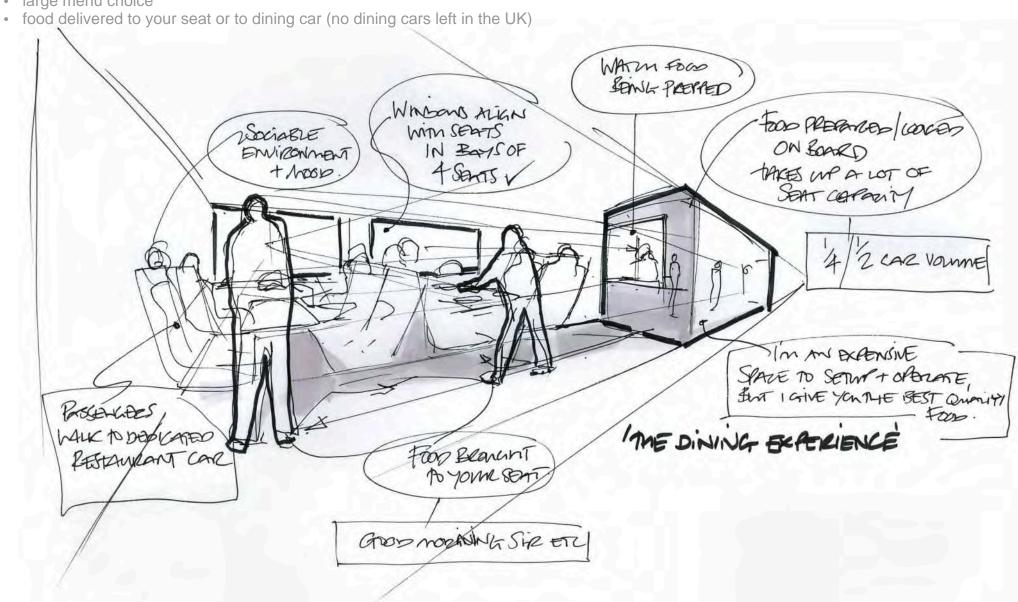
- · banks of vending machines at the end of the car (symmetrical)
- trolley storage

- banks of vending machines at the end of the car
- (asymmetrical)

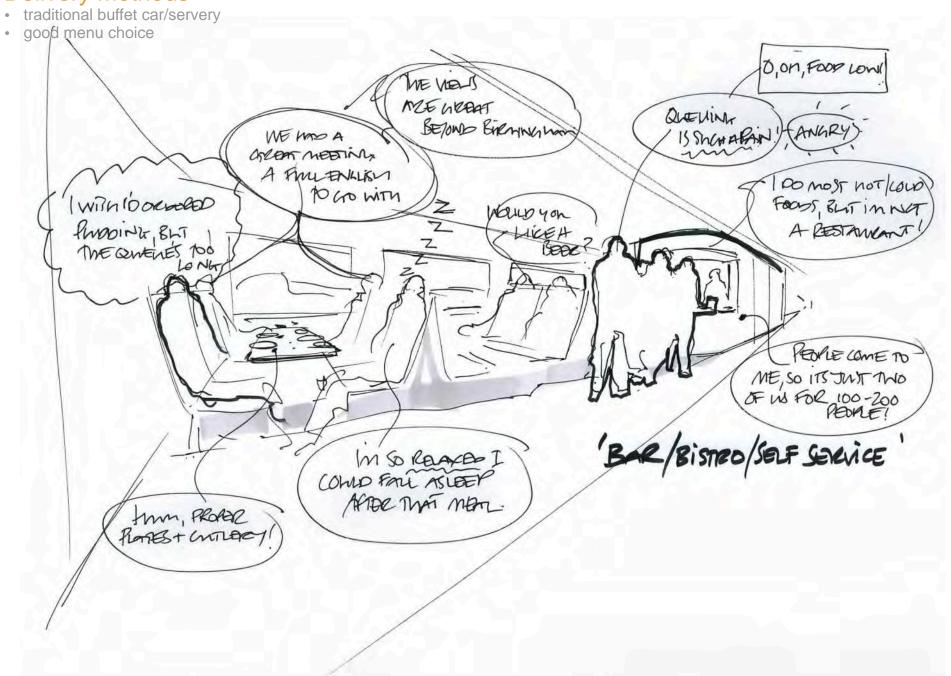
Delivery Methods

food prepared and cooked on-board in dedicated galley/kitchen (staff only)



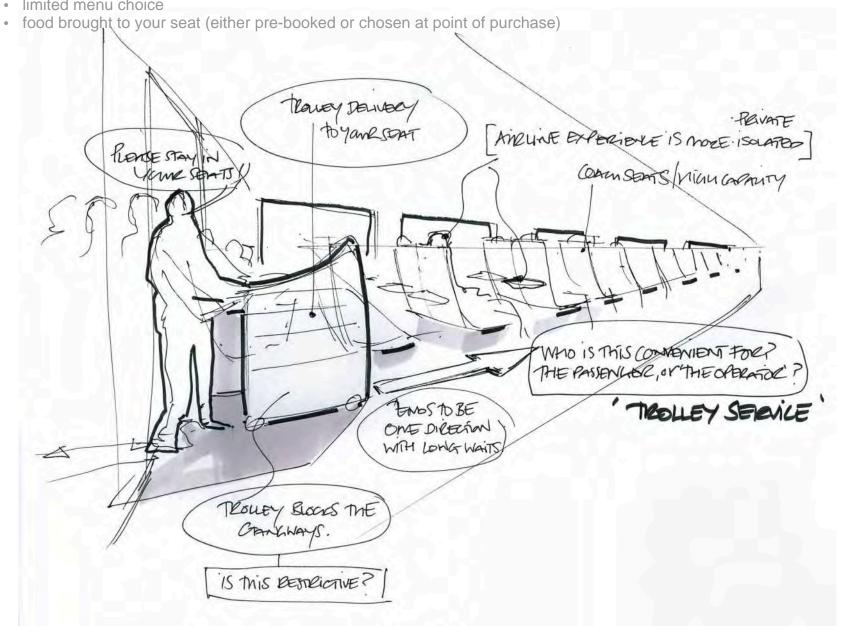


Delivery Methods



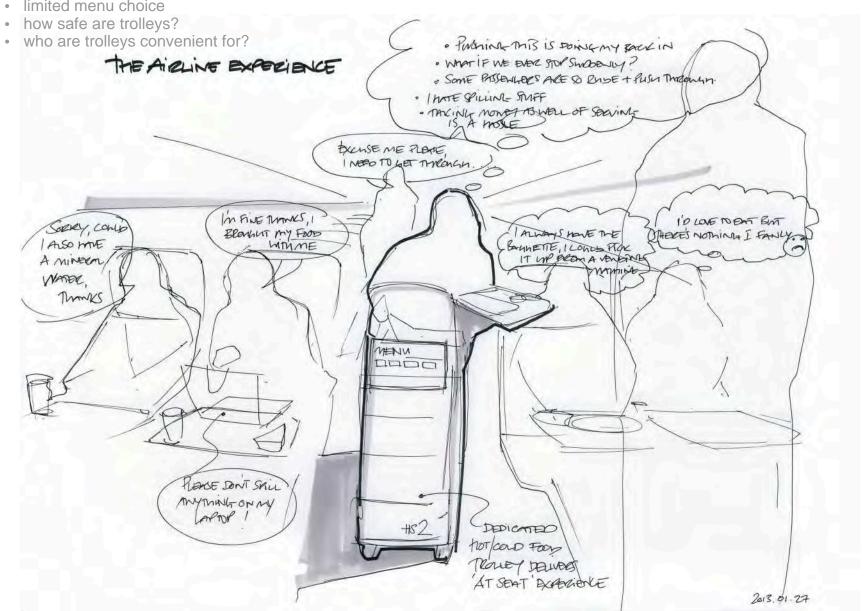
Delivery Methods

- trolley service
- · limited menu choice



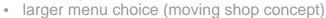
Trolleys

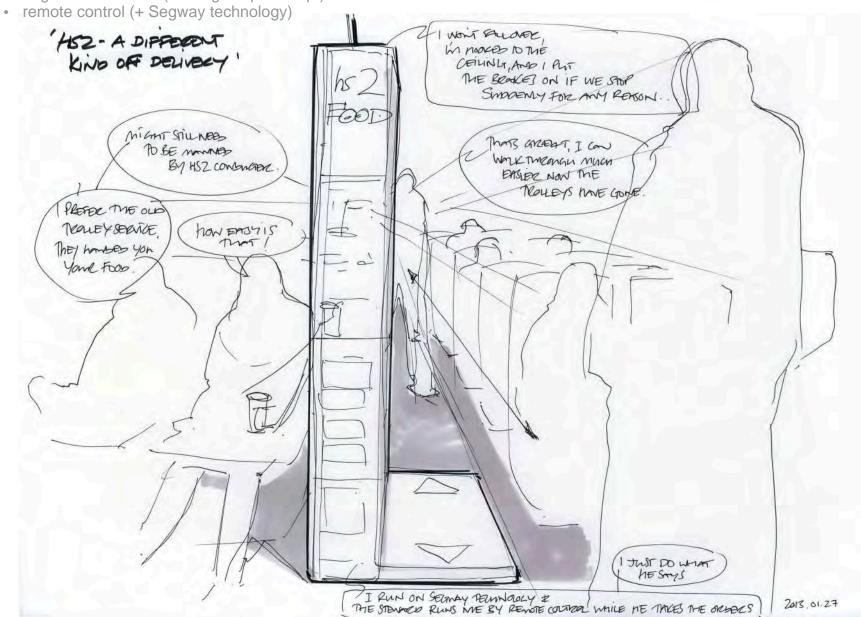
- airline style trolley service
- most people like the food to be brought to them?
- · limited menu choice



Trolleys as 'Moving Shops'

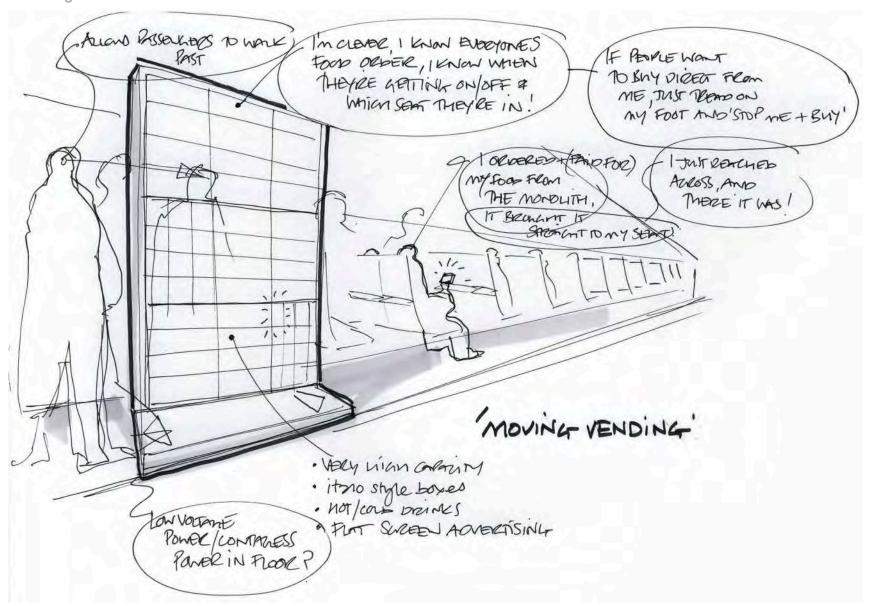
how do you deliver food and not block the aisle?





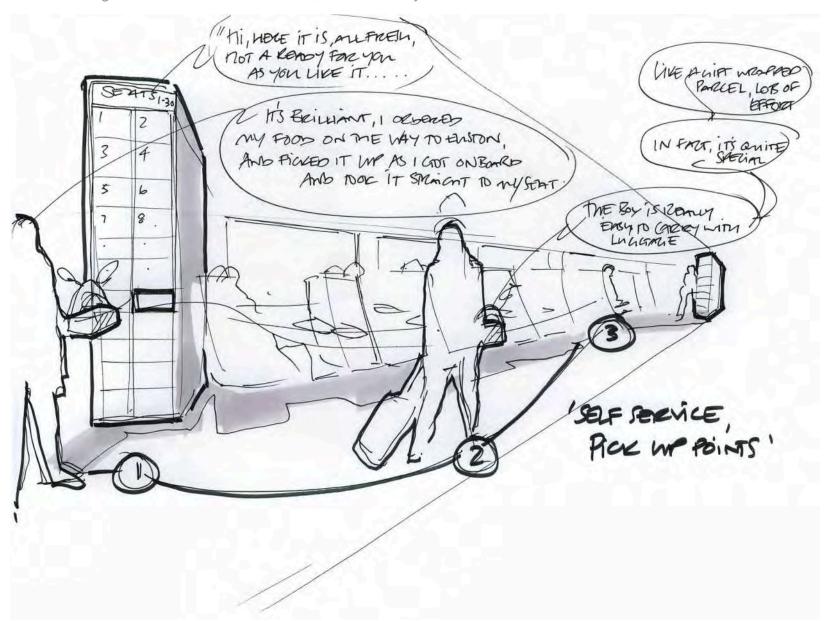
Trolley Dimensions

- how do you deliver food and not block the aisle?
- · moving walls of vending machines arrive at your seat on demand
- how large could these be?



'Pre-Booked' and 'Point of Sale' vending by doorways

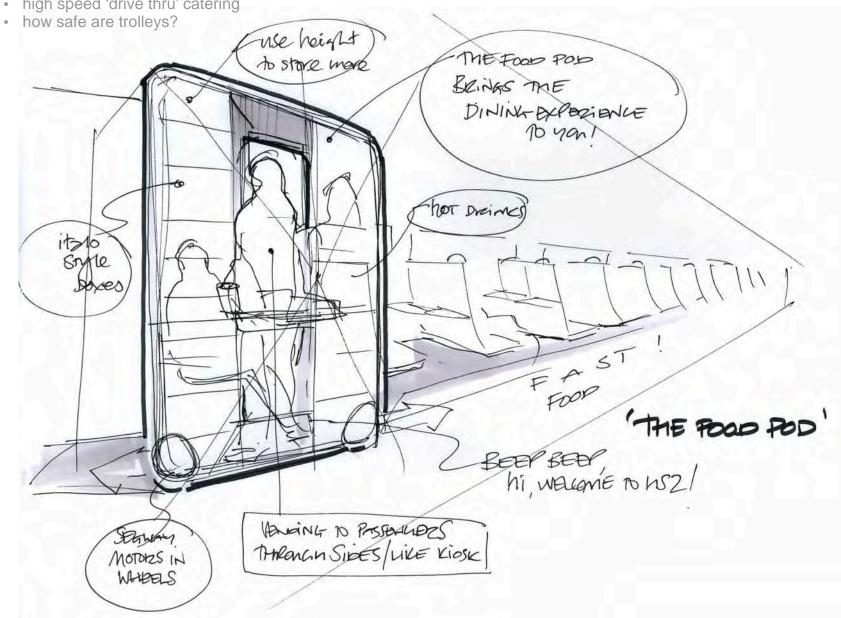
- pickup pre-ordered food from stacks by doorways
- each vending column has different cuisine, like a 'culinary centre'



Beyond Trolleys

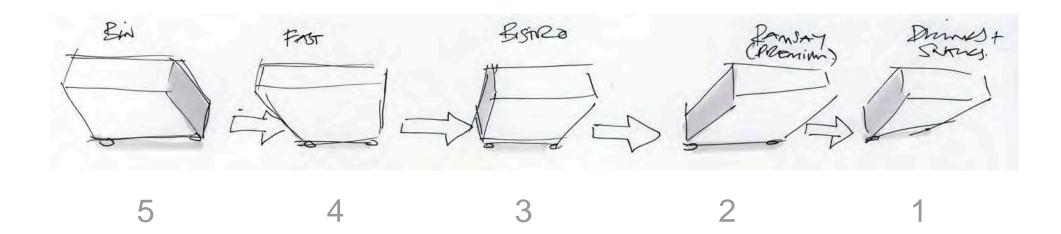
how can we speed up trolley food delivery?





'Themed' Trolley Fleet

- a fleet of 'themed' trolleys running through the train in a set order
- trolley #1 Drinks and Snacks & free kids bagstrolley #2 Gordon Ramsay Premium food
- trolley #3 Bistro/quality budget food
- trolley #4 Fast food, pasties, burgers etc
- trolley # 5 Bin



Zones (individual spaces) with different characters

- dining
- chilling
- working
- sleeping



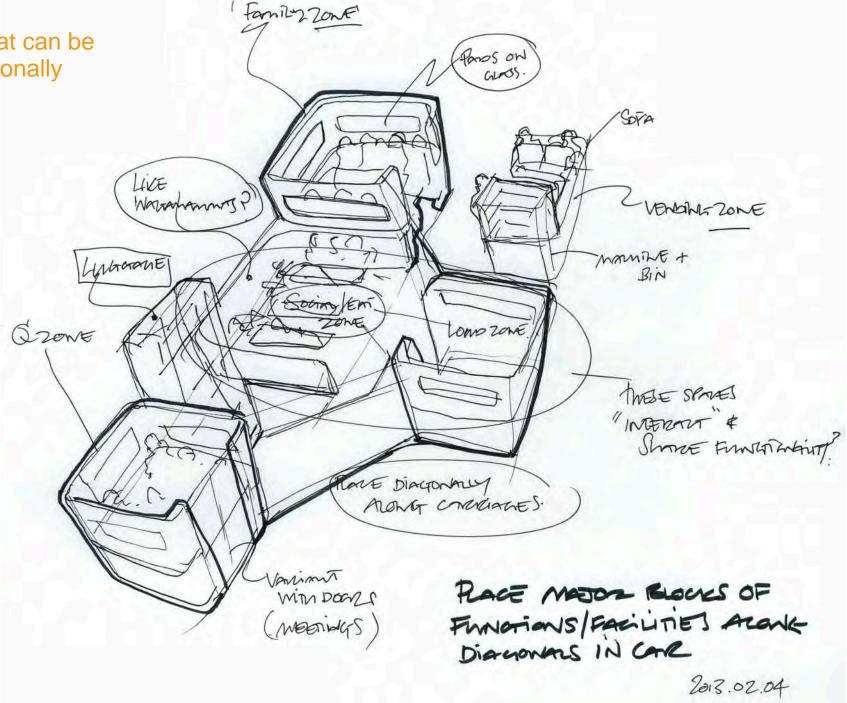
Zones (individual spaces) with different characters



Modular Zones that can be reconfigured seasonally

• groups

- vending
- · sponsored retail shops
- karaoke
- corporate boxes



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Interior

Ideas achieving Zoning and Privacy



PerformanceZONE

- 3m long central stage
- 2 banks of coach seat
- music gigs
- lectures
- parties
- demonstrations
- radio/tv broadcasts
- debates etc



Compartments

modular construction

• expands to 2, 4, 6 people

smartglass windows & doors control privacy levels

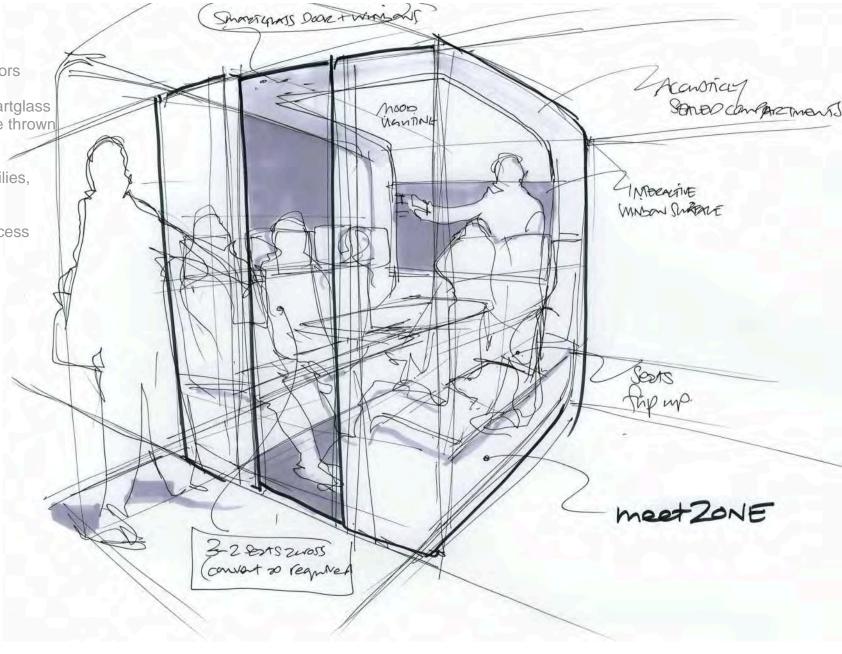
 connected interactive smartglass exterior window, work can be thrown on from ipad, presentations, powerpoint etc

 booked for meetings, families, parties etc

smart table

seat cushion tip-up for access

acoustically sealed





Interior Ideas achieving Zoning and Privacy



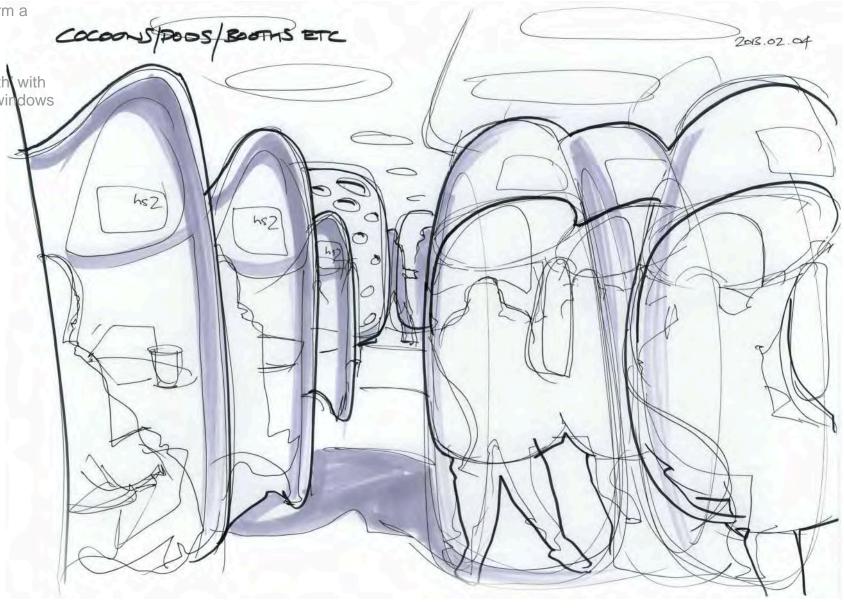
Pods

• seat structure forms a cocoon

 seat backs sculpted to form a private workspace

fully controlled personal environments

 fully enclosed 'group booth with random pattern of porthole windows

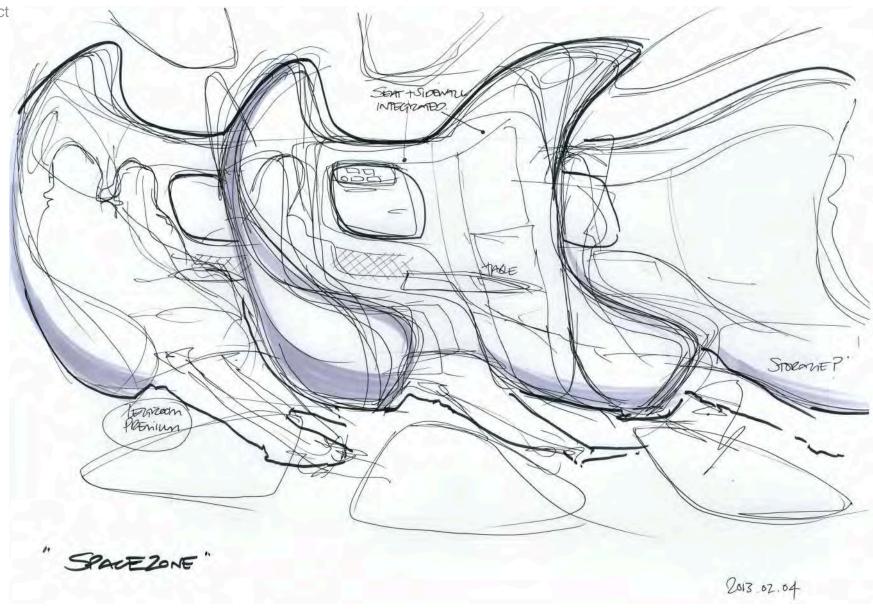


Seats moulded into sidewall

• private jet feel

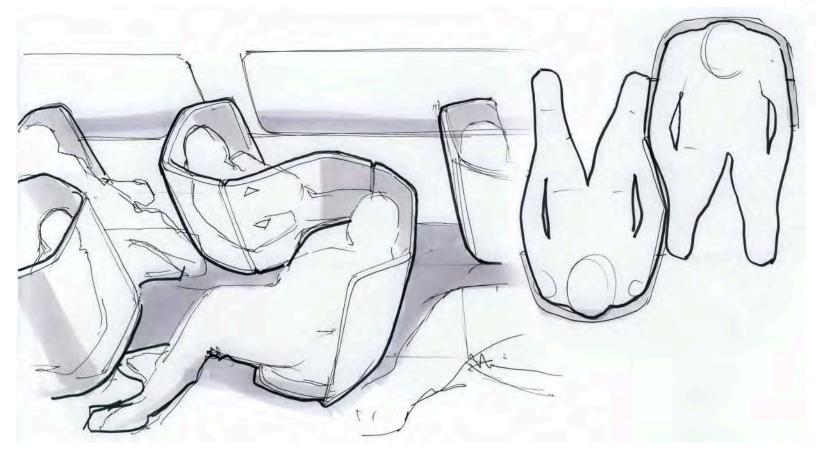
sophisticated indirect lighting

- direct control over personal environment
- porthole windows
- lots of legroom



Individual seat environments, personal zones and increased privacy

- sleep/privacy hoodsdivision screens
- · interlocking seat layouts





Interior Ideas achieving Zoning and Privacy



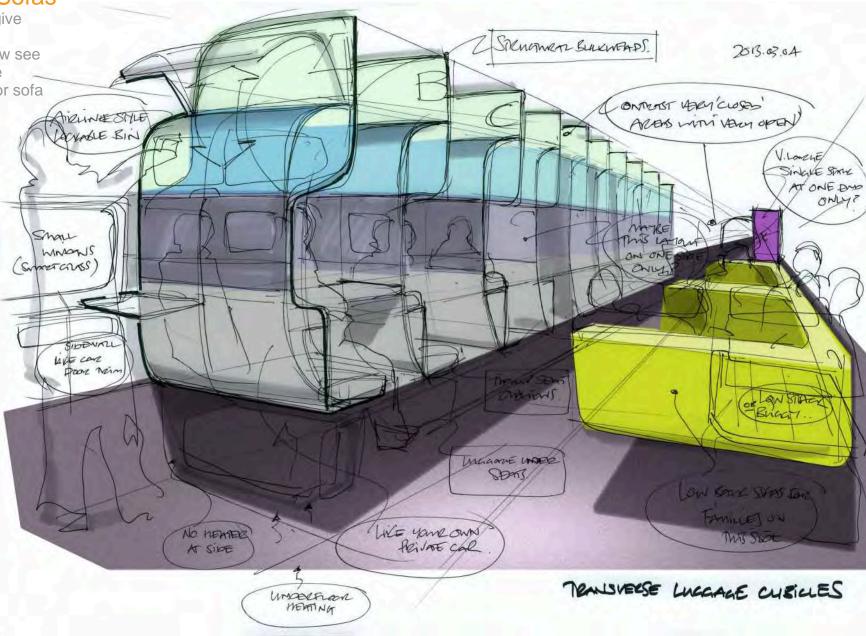
Transverse Luggage seating Pods & Sofas

 semi enclosed pods give private car feel

 low backed sofas allow see through on opposite side

large luggage stack for sofa

passengers



Seats Misc

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Interior Seat Miscellaneous sketch ideas



Transverse Luggage racks

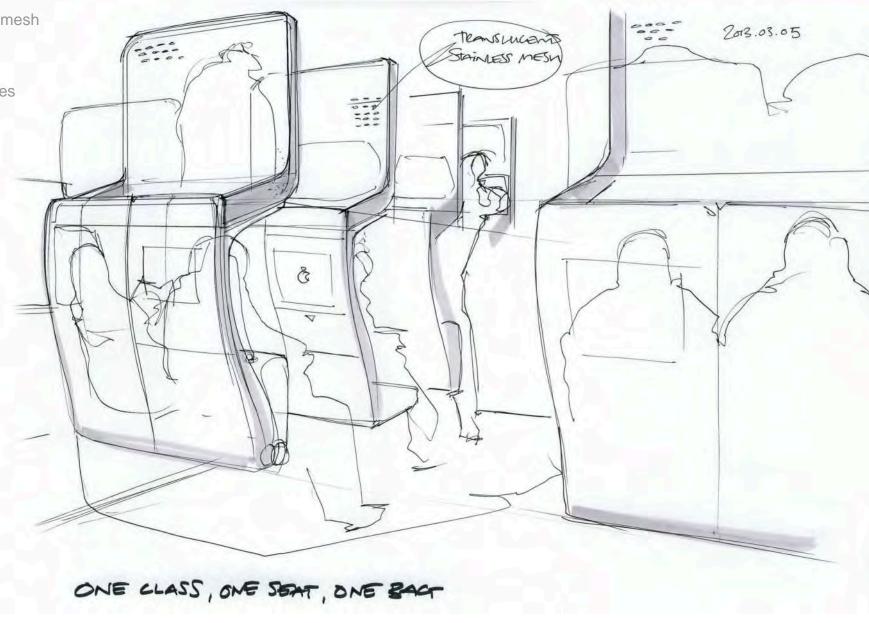
woven stainless steel mesh construction

· all seats the same

luggage at your seat

no luggage stacks gives

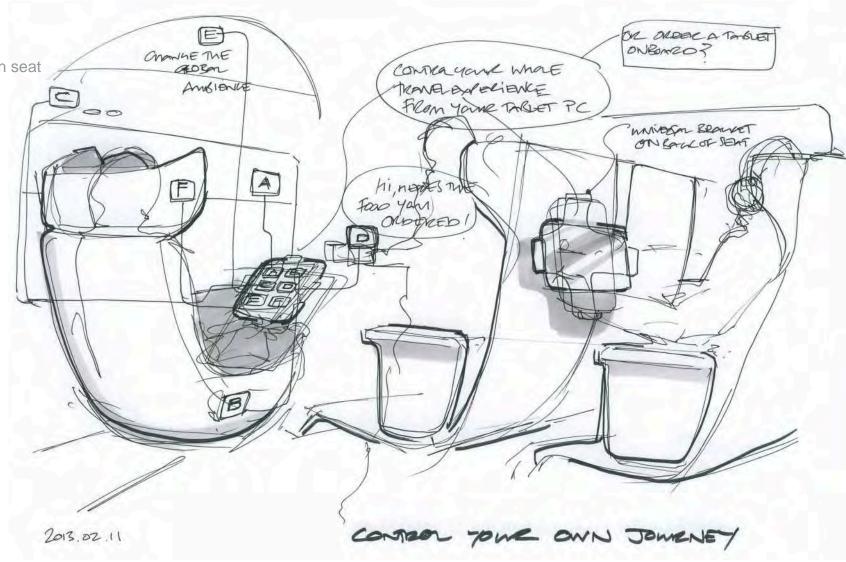
greater capacity



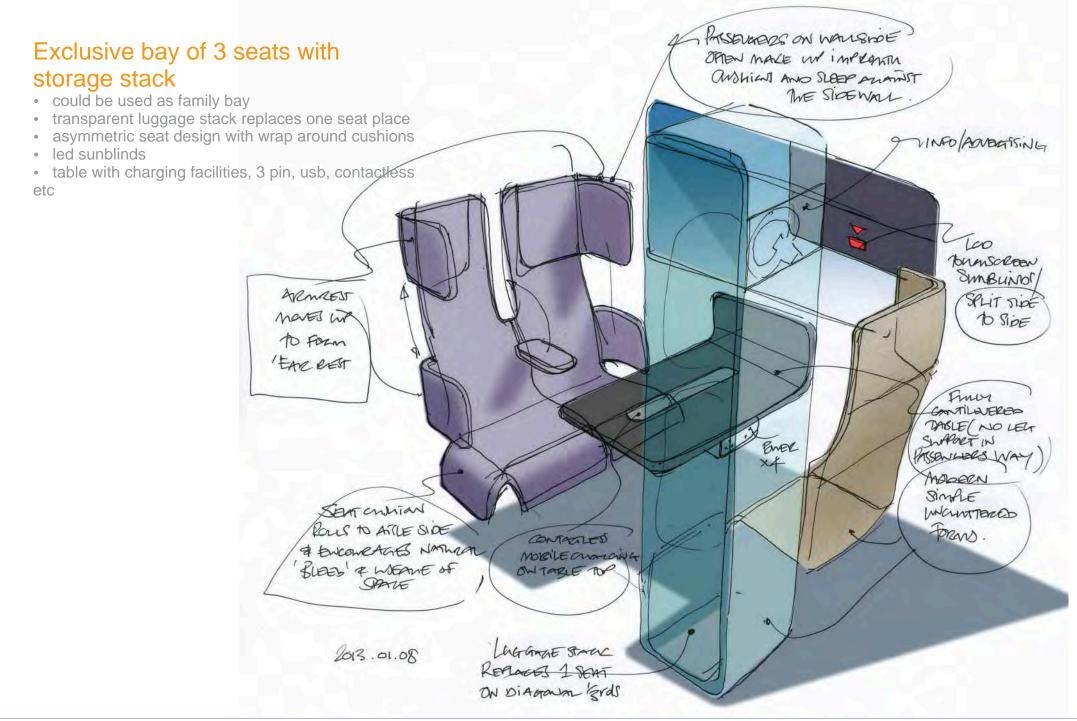
Control your journey from your seat

 ipad/tablet/smartphone control of all passenger interfaces via ticket number

- ambience control
- food ordering
- seat control
- · universal ipad bracket on seat

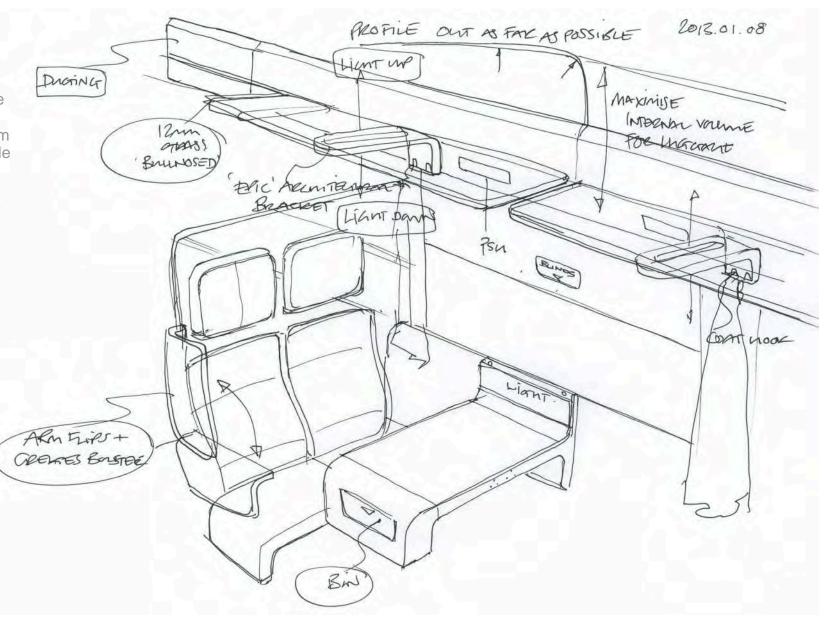






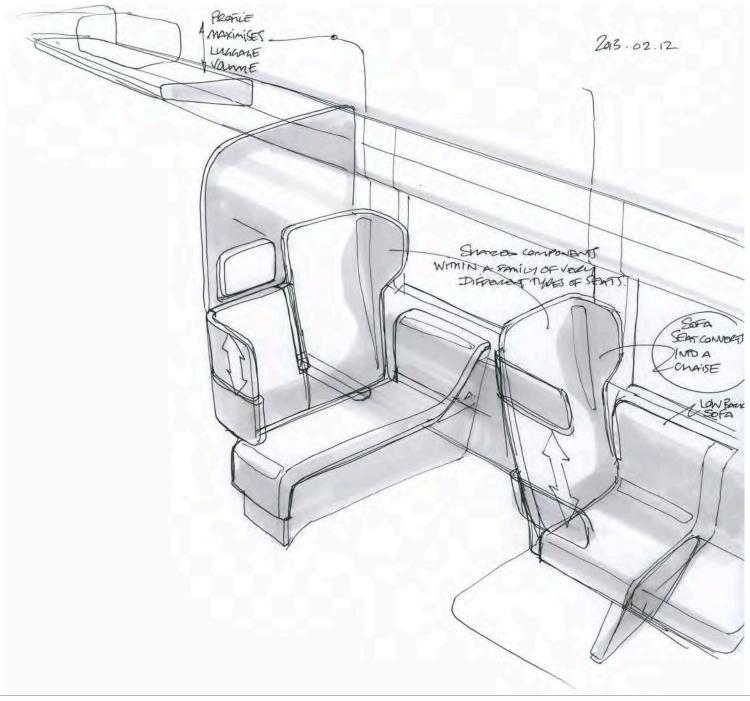


- headrest pads on bulkhead glass give comfort and seethrough
- glass overhead racks with up/down lighters in structure
- armss flip to create seat side bolster
- luggage rack modular system has ducting running along whole car
- coat hooks
- maximise overhead luggage volumes
- · integral bin in table

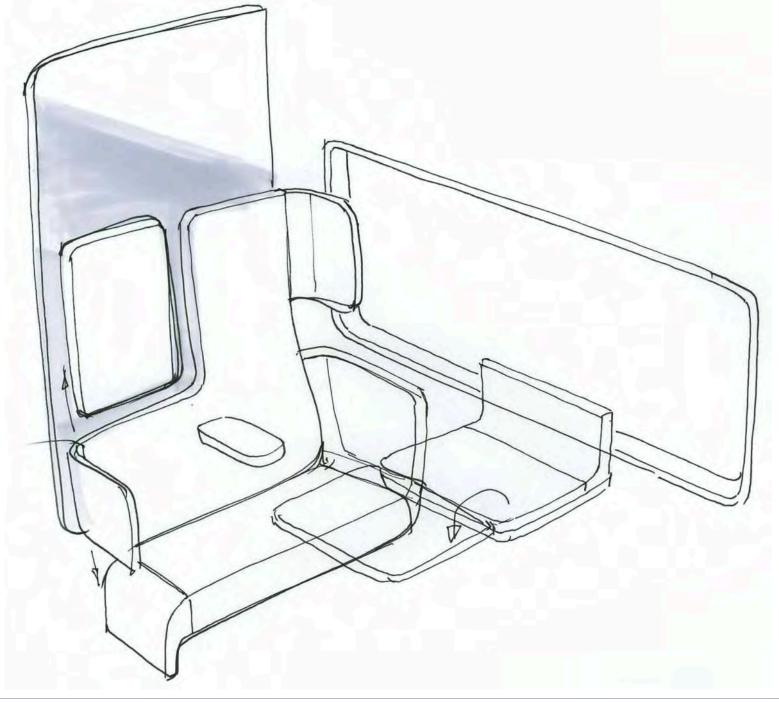




 family of seat components create a range of distinctive seat options, wraparound variants, chaise, low backed sofas etc

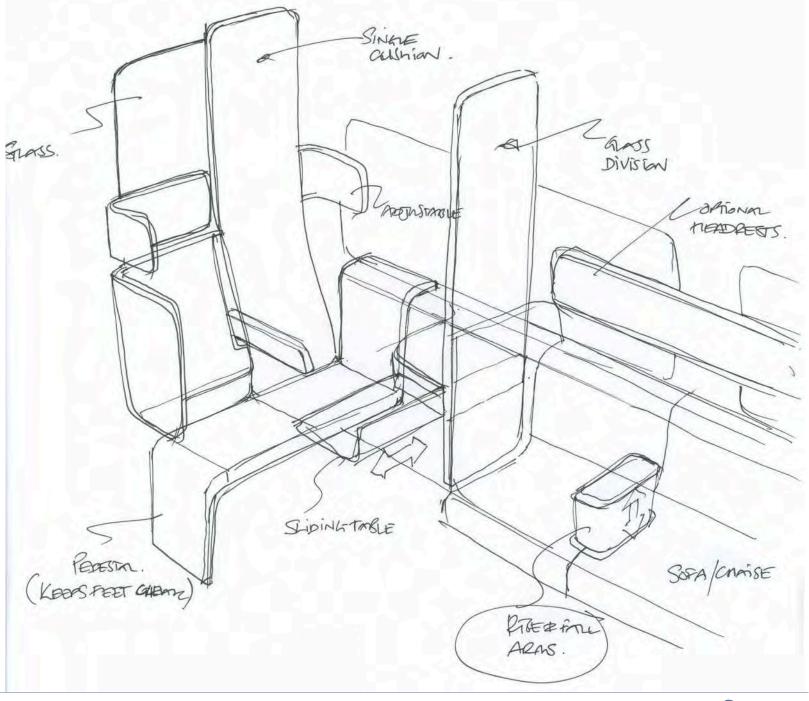


- seat designed as wraparound 2 seater sofa
- head pad on glass creates more open feel on aisle side
 single table folds or slides to
- create double table





 family of seat components create a range of distinctive seat options, wraparound variants, chaise, low backed sofas etc

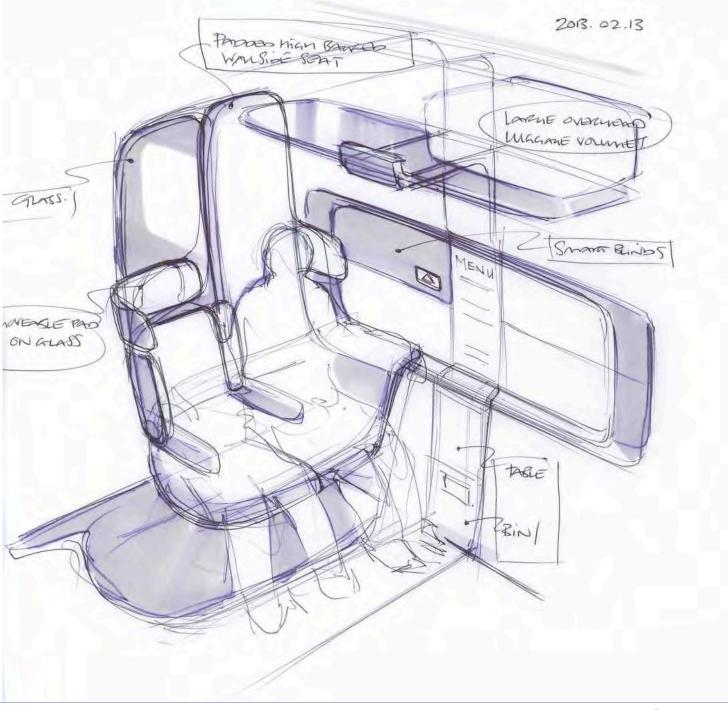


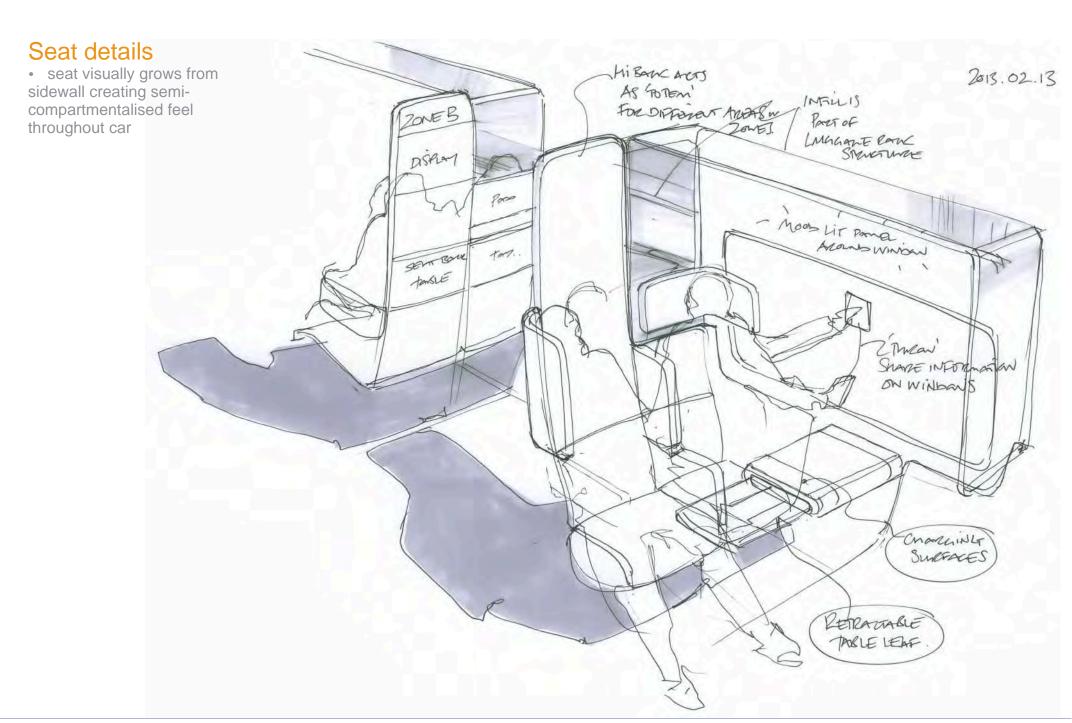
Seats Misc

HS2 Ltd Interior Seat Miscellaneous sketch ideas

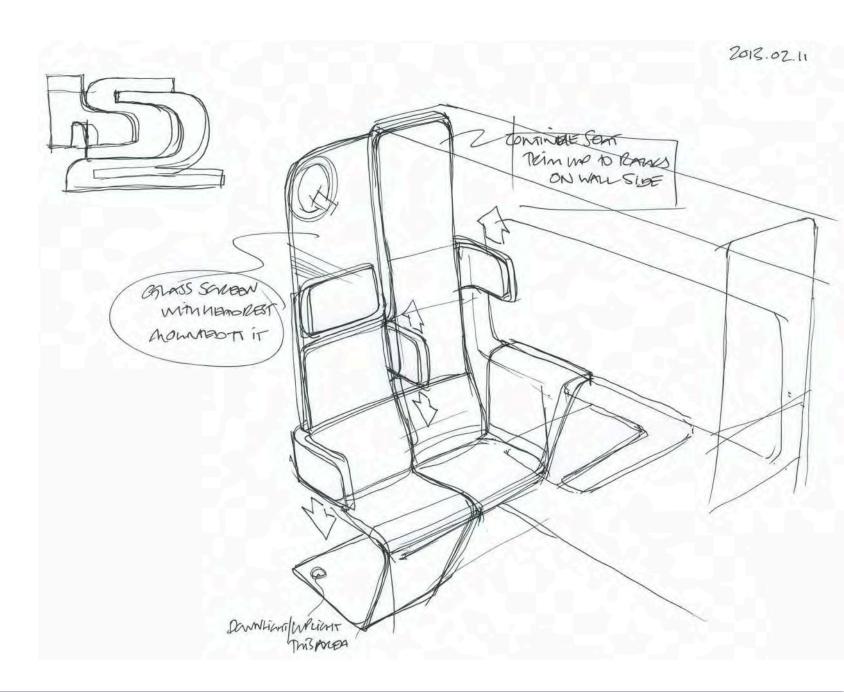


 seat visually grows from sidewall creating semicompartmentalised feel throughout car

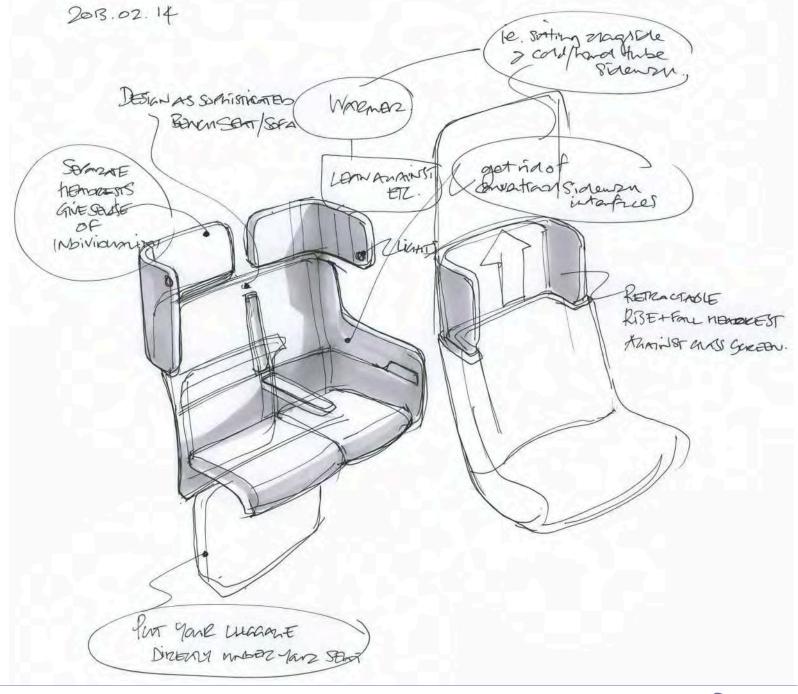




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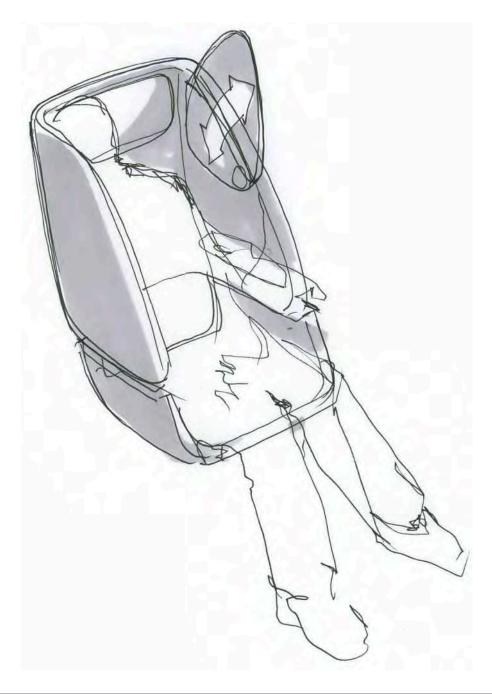
- sophisticated bench seat converts into sofa off-peak
- individual headrest
- retractable headrests (or height adjustable)



Interior
Seat Miscellaneous sketch ideas



 simple monocoque seat tub with moveable earests and recline within shell

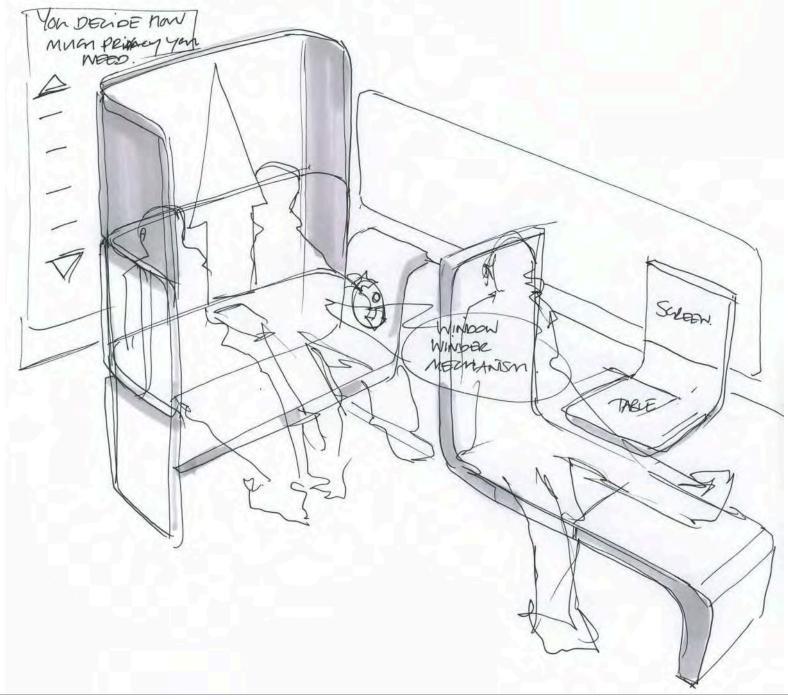


Seats Misc

HS2 LtdInterior
Seat Miscellaneous sketch ideas



- rise and fall privacy screens controlled directly by passengers
 seat converts to chaise with a
- fold-up table



Seat System with Mixed Character

- core of shared components
- selection of different character headrests and armrests
- colour and material contrasts to accentuate individual

passengers tastes





Seat System with Mixed Character

- core of shared components
- selection of different character headrests and armrests
- colour and material contrasts to accentuate individual

passengers tastes



- Storage between seats
 glass luggage stack units act as room dividers
- 'smartglass' surface changes character throughout journey
- tip-up seat cushion allows luggage to be stored next to you at off-peak times



Interior Seat Miscellaneous sketch ideas



Slim, Elegant, Ergonomic Seating core of shared components handed headrest/earest upper cushions aisle side cushion with 'rollover edge'



Interior Seat Miscellaneous sketch ideas



Slim, Elegant, Ergonomic Seating asymmetric trim panels give feeling of individuality



- Slim, Elegant, Ergonomic Seating

 asymmetric trim panels give feeling of individuality
 lighter tones on upper part of seat create feeling of spaciousness, and visually reduce the height of the seat
 darker tones on lower part of seat are more practical for
- cleaning



Interior Seat Miscellaneous sketch ideas







HS2 Ltd Interior

Interior Seat Miscellaneous sketch ideas



Slim, Elegant, Ergonomic Seating styling variations



Seat Miscellaneous sketch ideas

