

HEAVY STATION KIT

2024



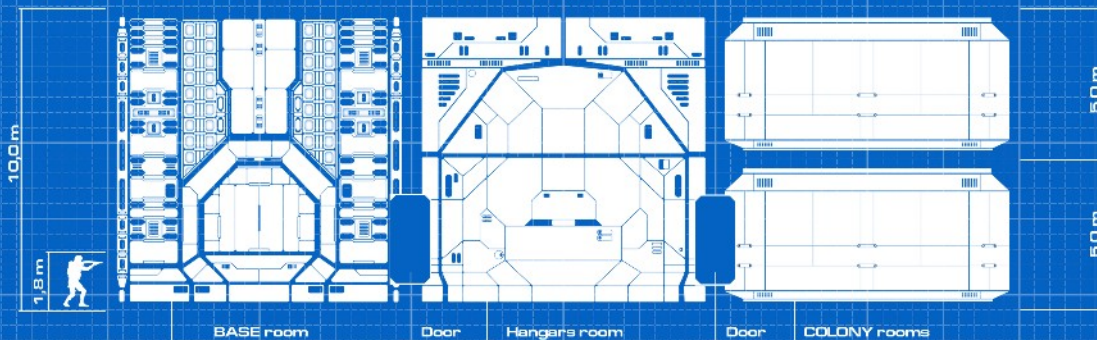
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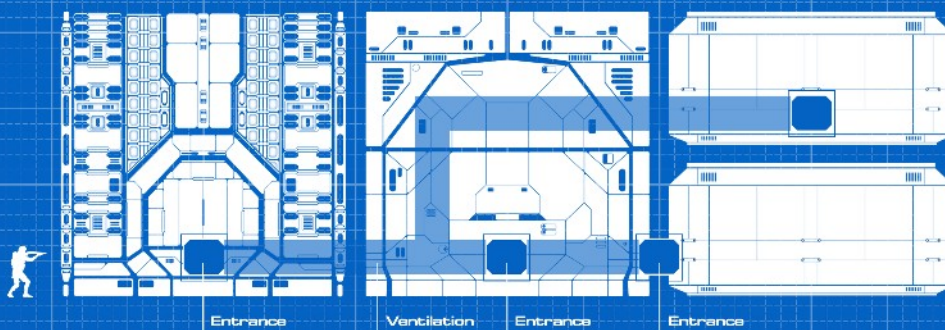
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Heavy Station Kit - Base, Hangars, Colony Combination

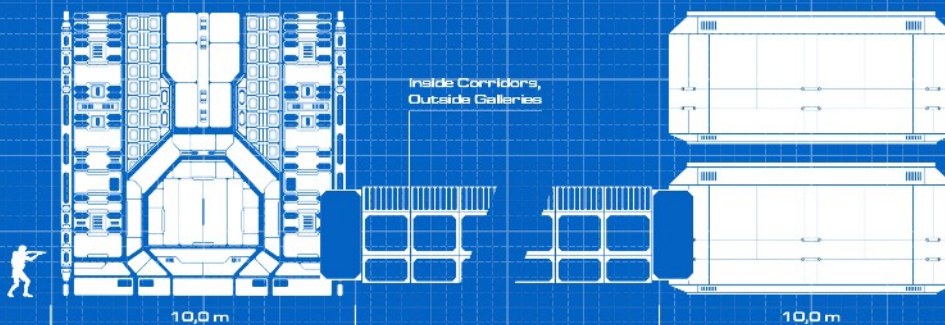
1. AUTOMATIC DOORS (base, hangars, colony)



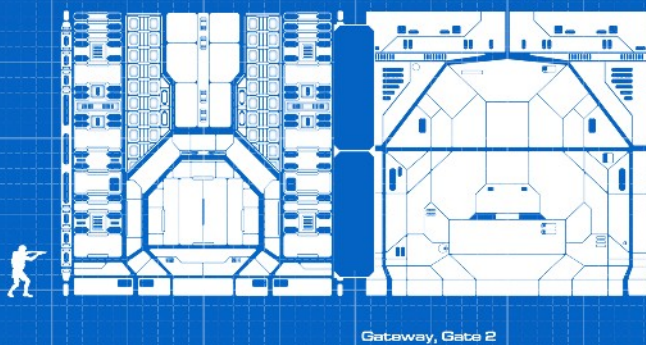
2. VENTILATION SYSTEM (colony)



3. CHANNELS & OUTSIDE GALLERIES (base, colony)



4. INTERACTIVE GATES (hangars)



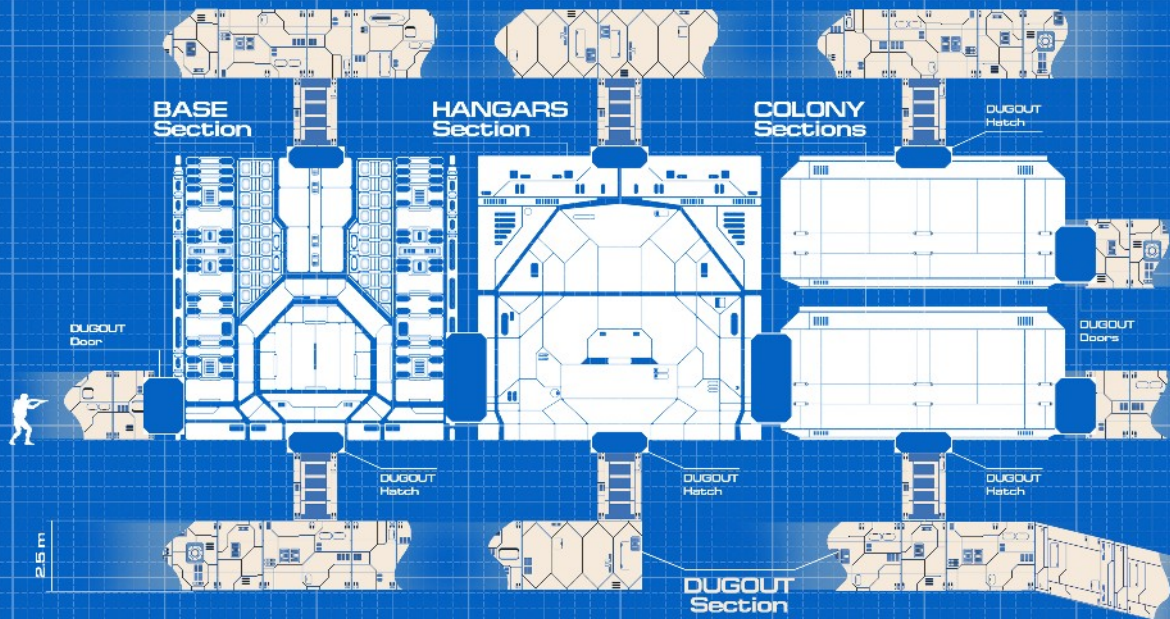
5. ELEVATORS (colony, hangars)

P1 HSKC-BHC
HEAVY STATION KIT
 BASE
 HANGARS
 COLONY
 DUGOUT
 2.50.R132

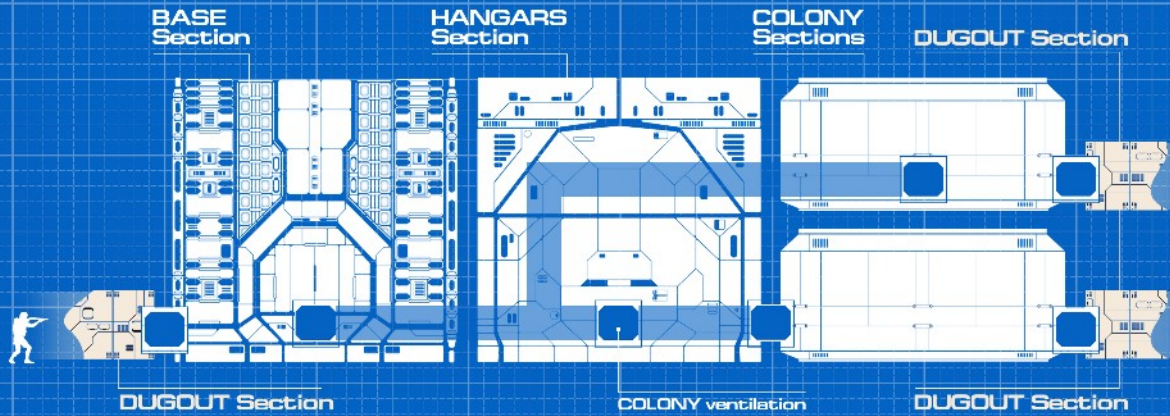
2

Heavy Station Kit BASE - HANGARS - COLONY - DUGOUT Combination

1. DUGOUT Additional Transitions (Base, Hangars, Colony)



2. COLONY VENTILATION SYSTEM (Dugout Supporting)



Base, Hangars, Colony Sections
 Dugout Sections

P2 HSKC-DGT

HEAVY STATION KIT

BASE
HANGARS
COLONY
DUGOUT

1.00.R38

Heavy Station Kit PACKAGES COMPARISON

Availability of the unique Elements and Acceptance of the other Packages

CORE CONSTRUCTION

	BASE	HANGARS	COLONY	DUGOUT
Floors	Unique Eligible for Hangars & Colony Accepting Hangars & Colony	Unique Eligible for Base & Colony Accepting Base & Colony	Unique Eligible for Base & Hangars Accepting Base & Hangars	Unique
Walls	Unique Eligible for Hangars Accepting Hangars	Unique Eligible for Base Accepting Base	Unique	Unique
Arches	Unique Eligible for Hangars Accepting Hangars	Unique Eligible for Base Accepting Base	Unique	Unique
Outside walls (top-down theme)	Unique Eligible for Hangars & Colony Accepting Hangars & Colony	Unique Eligible for Base & Colony Accepting Base & Colony	Unique Eligible for Base & Hangars Accepting Base & Hangars	Vacant
Supports	Unique Eligible for Hangars Accepting Hangars	Unique Eligible for Base Accepting Base	Vacant	Unique
Partitions²	Unique Eligible for Hangars	Vacant Accepting Base	Vacant	Vacant
Perimeter Fence	Unique Eligible for Hangars, Colony & Dugout Accepting Hangars & Colony	Unique Eligible for Base, Colony & Dugout Accepting Base & Colony	Unique Eligible for Base, Hangars & Dugout Accepting Base & Hangars	Vacant Accepting Base, Hangars & Colony

TRANSITION FACILITIES

	BASE	HANGARS	COLONY	DUGOUT
Doors	Unique Eligible for Hangars & Colony Accepting Hangars, Colony & Dugout	Unique Eligible for Base & Colony Accepting Base, Colony & Dugout	Unique Eligible for Base & Hangars Accepting Base, Hangars & Dugout	Unique Eligible for Base, Hangars & Colony
Gates	Vacant Accepting Hangars	Unique Eligible for Base	Vacant	Vacant
Gateways	Vacant Accepting Hangars	Unique (10x10 and 20x10 meters) Eligible for Base	Vacant	Vacant
Ventilation	Vacant Accepting Colony	Vacant Accepting Colony	Unique Eligible for Base, Hangars & Dugout	Vacant Accepting Colony
Stairs	Unique (10 meters for Floor) Eligible for Hangars & Colony	Vacant (10 meters for Floor) Accepting Base	Unique (5 meters for Floor) Accepting Base	Unique (2.5 meters for Floor)
Ladders	Unique (10 meters for Floor) Eligible for Hangars & Colony Accepting Hangars, Colony & Dugout	Unique (Small Garage Ladder) Eligible for Base & Colony Accepting Base, Colony & Dugout	Unique (Swimming Pool Ladder) Eligible for Base & Hangars Accepting Base, Hangars & Dugout	Unique (2.5 meters for Floor) Eligible for Base, Hangars & Colony
Elevators	Vacant Accepting Hangars & Colony	Unique (10 meters for Floor) Eligible for Base & Colony Accepting Colony	Unique (5 meters for Floor) Eligible for Base & Hangars Accepting Hangars	Vacant
Channels	Unique Eligible for Hangars & Colony	Vacant Accepting Base	Vacant Accepting Base	Vacant
Galleries	Vacant Accepting Colony	Vacant Accepting Colony	Unique Eligible for Base & Hangars	Vacant
Ceiling & Floor Entrances	Vacant Accepting Dugout	Vacant Accepting Dugout	Vacant Accepting Dugout	Unique Eligible for Base, Hangars & Colony

Other Themes of the Prefabs
(Equipment, Furniture, Decorations, Objects, Props, etc.)
can be used in any of the Packages:
Base, Hangars, Colony and Dugout

PREFABS

General Information

The side and the height of the smallest cell or room possible is 10 metres (only the COLONY has 5m ceiling height). If the scene is new, for just snapping the prefabs, we do recommend start building at the position $x(0) - y(0) - z(0)$.

When you do this, most of the prefabs will appear right at their place. Some regular edits at the building of the cell:

- Walls and the like may be duplicated and rotated into the desired position
- The arches and doors will require 5m adjustment to the desired direction
- If the Top-Bottom prefab is placed at the ceiling, then it should have 10 metres offset by Y (5 meters for COLONY), 180 rotation by Z or X

At building the second cell there is 10 metres offset, because the side of the cell is 10 metres. So it is possible just duplicating the existing prefabs that are close to the position, and setting the required offset.

The Heavy Station Kit AUGMENTED Packages (Base+Hangars+Colony+Dugout+Power-UPs) has **1850** Prefabs.

The Heavy Station Kit Packages (Base+Hangars+Colony+Dugout) has **1209** Prefabs.

The Heavy Station Kit dugout AUGMENTED comes with **152** Blueprints.

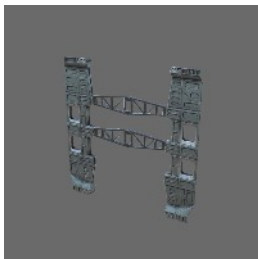
The Heavy Station Kit dugout comes with **110** Blueprints.

Heavy Station Kit BASE Prefabs

The Heavy Station Kit base 2.50 AUGMENTED has **318** Prefabs:

The Heavy Station Kit base 2.50 has **195** Prefabs:

5m Snap Value Overall

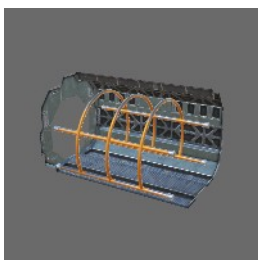


Prefabs	Tris (LOD 0)	Colors	Notes
18 7	450 – 2316	5	<i>Customize the color of the vertical elements.</i>

ARCHES

Position
X 5
y 0
z 5
Offset
X 10
Y 10
Z 10

There are intentional gaps between the walls. Arches do fill these. Also they may work as visual strengthening of the level.



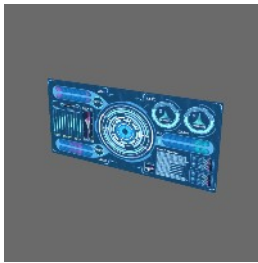
Prefabs	Tris (LOD 0)	Colors	Notes
19 8	660 – 2270	5	<i>Customize the color of the main elements of the walls.</i>

CHANNELS

Position
X 0
y 0
z 0
Offset
X 10
Y 10
Z 10

The corridors between the rooms and/or a web of tunnels.

DISPLAYS



Prefabs	Tris (LOD 0)	Colors	Notes
26 19	2 – 18	1	<i>Each screen has its own independent material. However there are the same in size screens, so You may exchange their materials.</i>

Position
Free

The Displays are possible to place on every appropriate surface, for example the walls. All Displays Prefabs are included in the Equipment Prefabs. The screens are animated.

DOORS



Prefabs	Tris (LOD 0)	Colors	Notes
15 7	4 – 920	1	

Position
Position
X 5
y 0
z 5
Offset
X 10
Y 10
Z 10

The Doors and Energy Gates for inside and outside. The special floor piece for the transport to move over. The railings are also available for the free positioning.

EQUIPMENT

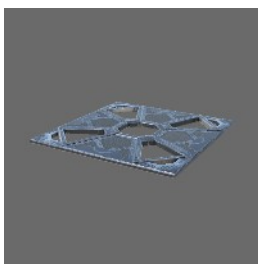


Prefabs	Tris (LOD 0)	Colors	Notes
29 14	76 – 6160	5	<i>Customize the color of the band of the stands.</i>

Position
Free

The Digital Equipment – from the little boxes, to the tables and the controlling door consoles – all with the animated displays. On how to setup consoles, please refer to “the Door and Consoles Setup”, in this documentation

FLOORS



Prefabs	Tris (LOD 0)	Colors	Notes
31 19	128 – 592	1	

Position
Position
X 0
y 0
z 0
Offset
X 10
Y 10
Z 10

The different variations of the floors (and ceiling) pieces for small and large rooms. If the building is one-story-tall, pick the one-sided piece to save on triangles.

FLOORS FILL



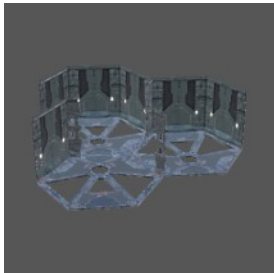
Prefabs	Tris (LOD 0)	Colors	Notes
37 22	6 – 17804	1	

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10

Plan the floors and ceilings in Your scene. Whether it be total fill of the surface, or some clear parts with railings, or the center piece removed for placing the ladder.

HEXA & PENTA ROOMS

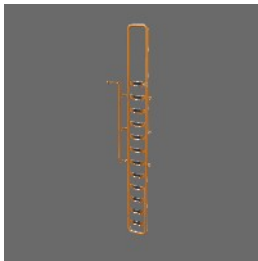


Prefabs	Tris (LOD 0)	Colors	Notes
5 0	3240 – 3840	1	

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10

Vertical climbing on the walls outside or the ladder into the storage room. And who know where else these will simplify the way.



Prefabs	Tris (LOD 0)	Colors	Notes
2 1	3240 – 3840	1	

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10

LADDERS

Vertical climbing on the walls outside or the ladder into the storage room. And who know where else these will simplify the way.



Prefabs	Tris (LOD 0)	Colors	Notes
7 7	1420 – 3192	5	<i>Customize the color of the warning stripes.</i>

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10

or Free

PARTITIONS

Made for the visual zoning of the room, Partitions may be placed using the recommended position or freely.

PARTITIONS 2



Prefabs	Tris (LOD 0)	Colors	Notes	Position
15 14	782 – 5526	5	<i>Customize the color of the vertical elements and the pipes itself.</i>	Position X 0 y 0 z 0 Offset X 10 Y 10 Z 10

Many Partitions 2 has horizontal and vertical pipelines. It enhances the industrial or bunker feeling, where appropriate.



PIPELINE

Prefabs	Tris (LOD 0)	Colors	Notes	Position
8 0	1336 – 1696	5	<i>Customize the color of the pipes.</i>	Free

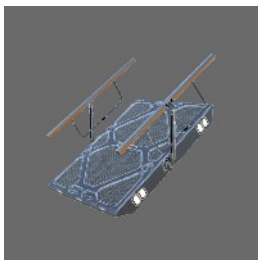
Pipe alone, for making Your own pipelines. So it is possible combining them in length, making the lines of pipes for positioning for example horizontally along the walls.



PROPS

Prefabs	Tris (LOD 0)	Colors	Notes	Position
6 6	1948 – 4340	5	<i>Customize the color of the painted elements of the boxes and barrels.</i>	Free

Boxes, Barrels and Tanks for free positioning.



STAIRS

Prefabs	Tris (LOD 0)	Colors	Notes	Position
42 31	44 – 3146	1		Position X Free Y 0 Z Free Offset X 2 Y Free Z 2

The most hard asset for placing is the Stairs prefab. It require vertical adjustment by Y. But horizontal offset is 2m. With independent pieces of the prefab Stairs, it is possible making not only the way up, but also various platforms and transitions with crossings.



Prefabs	Tris (LOD 0)	Colors	Notes
4 4	656 – 2624	1	

SUPPORT

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10

Made to look strong, they enhance the feel of heaviness and safety of the construction. It is possible not to use Support prefab.



Prefabs	Tris (LOD 0)	Colors	Notes
5 3	3550 – 5472	1	

TOP-BOTTOM

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10

The little details does matter. Placed at the floor/ceiling, Top-Bottom prefab is meant for enhancing the atmosphere, telling the different stories – like the area under maintenance or technical zone.



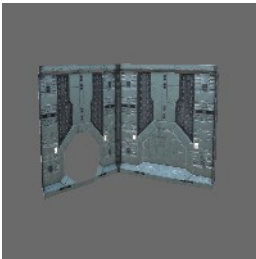
Prefabs	Tris (LOD 0)	Colors	Notes
22 8	68 – 1184	1	

TOP-DOWN

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10

Outside-styled walls and closing elements to make a scene for the Top-Down view.



Prefabs	Tris (LOD 0)	Colors	Notes
26 25	100 – 384	5	<i>Customize the color of the main elements of the walls.</i>

WALLS

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10

The Wall Lights and Walls prefab. With/without the opening for placing the door. From one wall piece to four wall pieces combined.

And one **Zzz Point Light** scripted Prefab (AUGMENTED Version)

Heavy Station Kit HANGARS Prefabs

The Heavy Station Kit hangars 2.50 AUGMENTED has **282** Prefabs:

The Heavy Station Kit hangars 2.50 has **183** Prefabs:

5m Snap Value Overall



Prefabs	Tris (LOD 0)	Colors
25	70 – 18510	6
11		

Notes

Customize colors for some elements

AGGREGATES

Align

for Rails:

Position
X 5
y 0
z 5

Offset
X 10
Y 10
Z 10

for Other:

FREE

Aggregates

Ballons and Cables, Cargocase, Consoles, Rail and Crane modular system, Reactor and Server.



Prefabs	Tris (LOD 0)	Colors
13	958 – 12056	1
0		

Notes

AGGREGATES 2

Align

FREE

Aggregates2

are huge single, dual and trio Pipes, Flat reactor, Huge barrels with various pipes.



Prefabs	Tris (LOD 0)	Colors
26	420 – 716	2
18		

Notes

Customize colors for inside panels

ARCHES

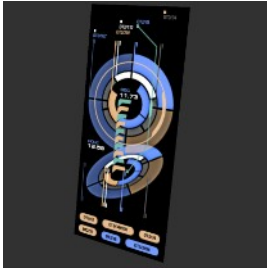
Align

Position
X 5
y 0
z 5

Offset
X 10
Y 10
Z 10

Arches

are three types of L shaped design elements, with customizable solid and/or transparent pieces .



Prefabs	Tris	Colors	Notes
7 6	2 - 24	1	

DISPLAYS

Align
Parent Object



Prefabs	Tris	Colors	Notes
5 5	78 - 1236	6	<i>Customize colors for some elements</i>

DOORS

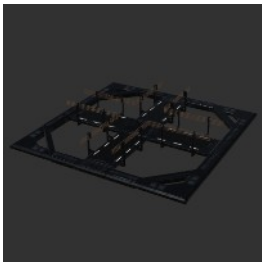
Align
Position
X 5
y 0
z 5
Offset
X 10
Y 10
Z 10



Prefabs	Tris	Colors	Notes
1 1	9944	1	

ELEVATORS

Align
Position
X 0
y 0
z 0
Offset
X 10
Y 10
Z 10



Prefabs	Tris (LOD 0)	Colors	Notes
66 64	28 - 5120	2	<i>Customize colors for fills elements</i>

FLOORS

Align
Position
X 0
y 0
z 0
Offset
X 10
Y 10
Z 10

Floors

come as Floor Frames in sizes of 10 and 5 meters. There are also two types of narrow Transition elements and four types of Hand-rails. To increase visual interest, there are solid and transparent Floor Fill pieces to fit in floor frames.



Prefabs	Tris (LOD 0)	Colors	Notes
8 0	60 – 2374	1	

GARAGE

Align

FREE

Garage

are modular pieces for vehicle with wheels. Around that can be placed special maintenance platforms and with ladder for humans to get up. Also theme has own console and aggregate.



Prefabs	Tris (LOD 0)	Colors	Notes
20 15	44 – 10174	1	

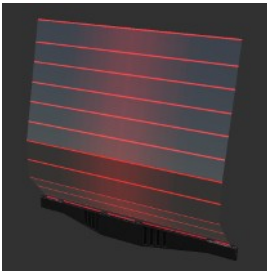
GATEWAY

Align

FREE

Gateway

are room-scaled areas for vehicles, with full-sized animated gates.



Prefabs	Tris (LOD 0)	Colors	Notes
10 4	178 – 15746	1	

OUTSIDE

Align

FREE

Outside

has modular energy barrier with intent for placing around the base. Also huge stairs, animated radar, cone-shaped station.



Prefabs	Tris (LOD 0)	Colors	Notes
5 0	364 – 728	6	

PIPELINE 1

Align

FREE

Pipeline1

are new small modular pipelines.



Prefabs	Tris (LOD 0)	Colors	Notes
19 0	928 – 2292	6	

PIPELINE 2

Align

FREE

Pipeline2

looks like ones in Base v2, but now they are modular.



Prefabs	Tris (LOD 0)	Colors	Notes
8 6	236 – 3852	6	<i>Customize colors for some elements</i>

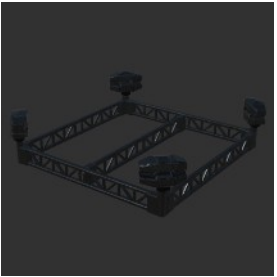
PROPS

Align

FREE

Props

are small and medium barrels, small battery, small to medium to big boxes, and small but narrow and long box that can be stacked on itself in pyramid form.



Prefabs	Tris (LOD 0)	Colors	Notes
19 15	132 – 4336	1	

SUPPORTS

Align

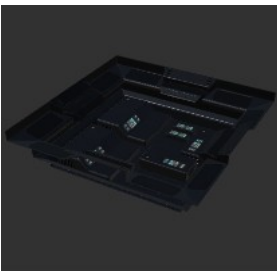
Position
X 0
y 0
z 0
or FREE

Offset
X 10
Y 10
Z 10

and FREE

Supports

are used to enhance heavy look of the base, and they fit into special slot in Floor Frame pieces.



Prefabs	Tris (LOD 0)	Colors	Notes
7 7	564 – 574	2	<i>Customize colors for some elements</i>

TOP BOTTOM

Align

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10

Top Bottom

are used to increase visual depth of the level when needed, and they come in three different pieces.



Prefabs	Tris (LOD 0)	Colors
15	74 – 370	1
15		

Notes

TOP-DOWN

Align

Position
X 0, 5
y 0, 5
z 0, 5

Offset
X 10, 5
Y 10, 5
Z 10, 5

and FREE

Top-Down

has four types of walls for outside, and elements to close gaps for Top-Down use.



Prefabs	Tris (LOD 0)	Colors
9	164 – 1852	1
0		

Notes

TOP-DOWN 2

Align

Position
X 0, 5
y 0, 5
z 0, 5

Offset
X 10, 5
Y 10, 5
Z 10, 5

and FREE

Top-Down2

has new supports for outside that strengthen visual look, three additional walls for outside, and pieces for Top-Down use.



Prefabs	Tris (LOD 0)	Colors
18	111 – 534	6
16		

Notes

Customize colors for some elements

WALLS

Align

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10

and FREE

Walls has 5 and 10 metres elements, flat and L and C shaped, with openings for doors, gates and windows.

And one **Zzz Point Light** scripted Prefab (AUGMENTED Version)

Heavy Station Kit COLONY Prefabs

The Heavy Station Kit colony 2.50 AUGMENTED has **511** Prefabs:

The Heavy Station Kit colony 2.50 has **313** Prefabs:

5m Snap Value Overall



Prefabs	Tris (LOD 0)	Colors	Notes
36 13	120 – 15000	1	

DECORATIONS

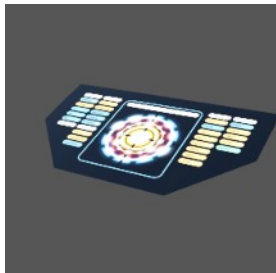
Position
Free



Prefabs	Tris (LOD 0)	Colors	Notes
15 9	46 – 956	6	<i>Customize colors for some elements</i>

DEVICES

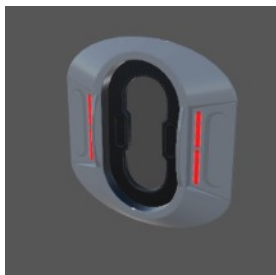
Position
Free



Prefabs	Tris (LOD 0)	Colors	Notes
19 12	2 – 8	1	

DISPLAYS

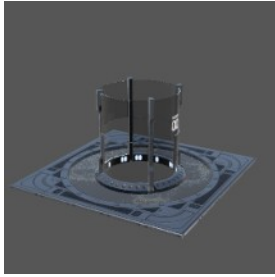
Position
Free



Prefabs	Tris (LOD 0)	Colors	Notes
13 8	302 – 2496	6	<i>Customize colors for Emission Color</i>

DOOR_WINDOW

Position
X 5
y 0
z 5
Offset
X 10
Y 10
Z 10

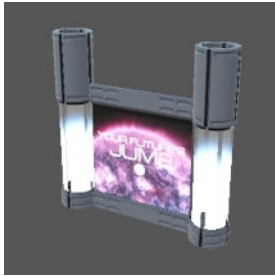


Prefabs	Tris (LOD 0)	Colors	Notes
14 9	60 – 5760	1	

ELEVATOR

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10

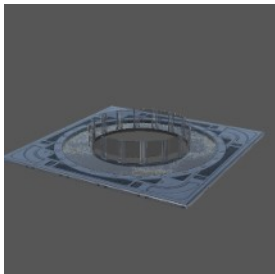


Prefabs	Tris (LOD 0)	Colors	Notes
31 20	134 – 5800	1	

EQUIPMENT

Position

Free



Prefabs	Tris (LOD 0)	Colors	Notes
41 34	14 – 1042	1	

FLOORS

Position

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10

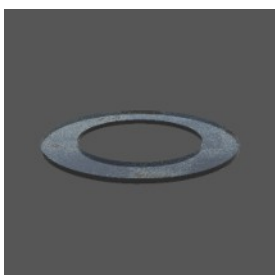


Prefabs	Tris (LOD 0)	Colors	Notes
43 26	76 – 4288	6	<i>Customize colors for some elements</i>

FURNITURE

Position

Free



Prefabs	Tris (LOD 0)	Colors	Notes
17 17	4 – 5600	1	

GLASS

Position

Free



Prefabs
60
34

Tris (LOD 0)
10 – 2680

Colors
6

Notes
Customize colors for some elements

KITCHEN

Position
Free



Prefabs
22
11

Tris (LOD 0)
80 – 3140

Colors
1

Notes
Customize the color of the vertical elements.

OBJECTS

Position
Free



Prefabs
33
19

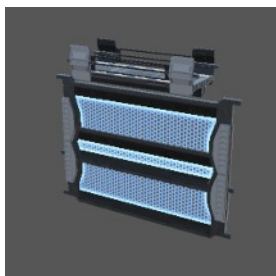
Tris (LOD 0)
30 – 3076

Colors
1

Notes
Customize the color of the vertical elements.

OUTSIDE_TOPDN

Position
X 0
y 0
z 0
Offset
X 10
Y 10
Z 10



Prefabs
24
14

Tris (LOD 0)
56 – 3652

Colors
1

OUTSIDE_TOPDN_2

Notes
Position
X 0
y 0
z 0
Offset
X 10
Y 10
Z 10



Prefabs
16
7

Tris (LOD 0)
76 – 11926

Colors
1

Notes

STAIRS

Position
X 0
y 0
z 0
Offset
X 10
Y 10
Z 10



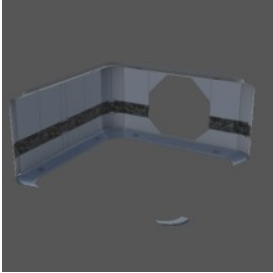
Prefabs	Tris (LOD 0)	Colors
13 12	2 – 7690	6

Notes
Customize colors for Emission

VENTILATION

Position
X 0
y 0
z 0

Offset
X 1
Y 1
Z 1



Prefabs	Tris (LOD 0)	Colors
53 46	14 – 576	6

Notes

WALLS

Position
X 0
y 0
z 0

Offset
X 10
Y 10
Z 10



Prefabs	Triangles in the elements	Colors
22 22	32 – 614	6

Notes

The new cabinets have separated parts to allow them to be opened.
The controls also have all the elements separated.

FURNITURE-24

Position
Free

SEPARATED



Prefabs	Triangles in the elements	Colors
12 0	178 – 9528	1

Notes

The weapon has all the necessary separate elements
for turning, tilting, rotating and recoil.

WEAPON-24

Position
Free

SEPARATED



Prefabs	Triangles in the elements	Colors
26 0	58 – 1668	1

Notes

The ammunition boxes have all the necessary separate elements
for opening and closing.
The ammunition access control panel is also separate.

AMMO-24

Position
Free

SEPARATED

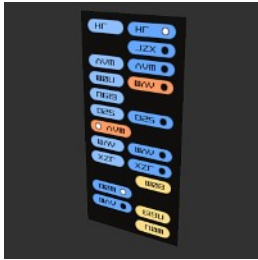
And one **Zzz Point Light** scripted Prefab (AUGMENTED VErSion)

Heavy Station Kit DUGOUT Prefabs

The Heavy Station Kit dugout AUGMENTED has **697** Prefabs:

The Heavy Station Kit dugout has **489** Prefabs:

0.5m Snap Value Overall



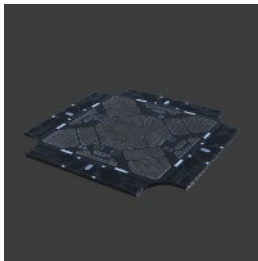
Prefabs	Tris
42	2 - 852
26	

Notes

DISPLAYS

Materials
 Heavy Station Kit / DUGOUT / Materials / N_Screens_A
 Heavy Station Kit / DUGOUT / Materials / N_Screens_BC
 Heavy Station Kit / DUGOUT / Materials / N_Screens_S (**Augmented only**)
 Heavy Station Kit / DUGOUT / Materials / N_Nozzle (**Augmented only**)

Animated displays are part of prefabs. Flats can be used apart.



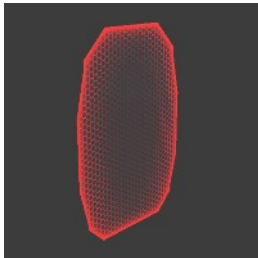
Prefabs	Tris
22	2 - 280
22	

Notes

GAPS

Materials
 Heavy Station Kit / DUGOUT / Materials / N_Gaps
 Heavy Station Kit / DUGOUT / Materials / N_A_Out
 Heavy Station Kit / DUGOUT / Materials / N_A_In

See-through Floor pieces.



Prefabs	Tris
52	2 - 14
0	

Notes

PLATES

Materials
 Heavy Station Kit / DUGOUT / Materials / N_Screens_P (**AUGMENTED ONLY**)

Shop signs, Transparent Barriers, etc.



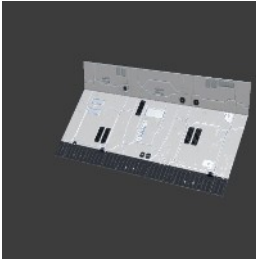
Prefabs	Tris
65	10 - 2852
57	

Notes

TYPE A Exterior

Materials
 Heavy Station Kit / DUGOUT / Materials / N_A_Out

Biggest parts. Windows, External props, etc. Core, Transition and Props.



Prefabs	Tris
53	3 – 1712
53	

TYPE A Interior

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_A_In

Biggest parts. Windows, big Crossroads, wall hatches, Stairs, etc. Core and Transition.



Prefabs	Tris
35	50 – 4328
35	

TYPE A Props

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_A_Props

Interior arches, Engine, Stands, Pipelines, etc. Interior & Exterior Props.



Prefabs	Tris
37	24 – 112
37	

TYPE B Exterior

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_BC_Out

B Exterior Unique Windows, Floor Pipeline Socket. Core, Transition, etc.



Prefabs	Tris
45	2 – 508
45	

TYPE B Interior

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_BC_In

B Interior Unique Windows, Floor Pipeline Socket. Core and Transition.



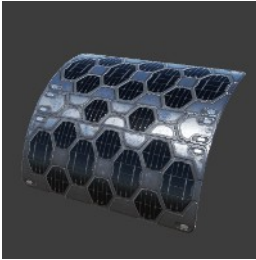
Prefabs	Tris
17	262 – 1984
17	

TYPE B Props

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_BC_Props

Wall point devices, pipelines, handrails. Interior Props.



Prefabs	Tris
99	1 – 3152
99	

TYPE BC Exterior

Notes

Materials
Prefabs/Walls/Meshes/Materials/N_BC_Out

Applies also for B and C. Core, Transition and Props.



Prefabs	Tris
15	14 – 1402
15	

TYPE BC Interior

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_BC_In

B&C joint Pieces, tiny Crossroads, floor hatches. Transition.



Prefabs	Tris
4	310 – 2110
4	

TYPE BC Props

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_BC_Props

Switches, Ladder and Fan. Interior Props.



Prefabs	Tris
24	32 – 72
24	

TYPE C Exterior

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_BC_Out

C Exterior Unique Windows. Core, Transition.



Prefabs	Tris
36	2 – 297
36	

TYPE C Interior

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_BC_In

Core and Transition.



Prefabs	Tris
11	288 – 1652
11	

TYPE C Props

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_BC_Props

Wall point devices, pipelines, handrails. Interior Props.



Prefabs	Tris
41	80 – 1672
6	

TYPE S

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_S_Out_In

Cockpit, external equipment, etc. Exterior & Interior Core, Transition and Props.



Prefabs	Tris
61	142 – 5592
2	

TYPE S Props

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_S_Props **(AUGMENTED ONLY)**

Living, consoles, etc. Interior props.



Prefabs	Tris
38	12 – 6170
0	

Platforms

Notes

Materials
Heavy Station Kit / DUGOUT / Materials / N_PL **(AUGMENTED ONLY)**
Heavy Station Kit / DUGOUT / Materials / N_PL_Win **(AUGMENTED ONLY)**

Space open platforms, transitions, and props.

Did you know that you can mass-select prefabs?

This can be useful, for example, as a culling mask for a selective Sun light - one for interior, and one for exterior.

As the assets are somewhat keyworded:

II lets you select all the interior,
while _EE_ - all the exterior pieces.

Glass folder in Prefabs is for source meshes only. Complete items are in their appropriate Themes.

Heavy Station Kit POWER-UPs Prefabs

Heavy Station Kit power-ups AUGMENTED has **42** Prefabs:

The Heavy Station Kit power-ups has **29** Prefabs:



Prefabs	Tris
36	376 - 10634
24	1136 - 5856

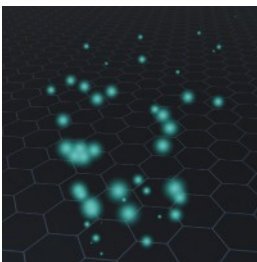
Materials

Heavy Station Kit / POWER-UPs / Materials / ...

POWER-UPs

Power-Ups AUGMENTED items with C# Animations. 8 Themes.

Power-Ups items with C# Animations. 4 Themes.



Prefabs	Tris
4	—
4	—

Materials

—

PARTICLES

4 Color Themes.



Prefabs	Tris
2	17118 (LOD 0)
1	... 3423 (LOD 3)

Materials

Heavy Station Kit / POWER-UPs / Materials / ...

SPAWN

Spawns with Animated Material and Audio Source.

Heavy Station Kit DUGOUT Blueprints

The Heavy Station Kit dugout 1.03 AUGMENTED has **152** Blueprints:

The Heavy Station Kit dugout 1.03 has **110** Blueprints:

0.5m Snap Value Overall

Shuttle Systems



Blueprints

15
0

Purpose

Movable and controllable pieces like Engines that come with Scripts



Blueprints

32
27

Purpose

Exterior, interior and props Type A Blueprint pieces.

Type_A



Blueprints

56
52

Purpose

Exterior, interior and props Type B Blueprint pieces.

Type_B



Blueprints

35
31

Purpose

Exterior, interior and props Type C Blueprint pieces.

Type_C



Blueprints

14
0

Purpose

Exterior, interior and props Type S Blueprint pieces.

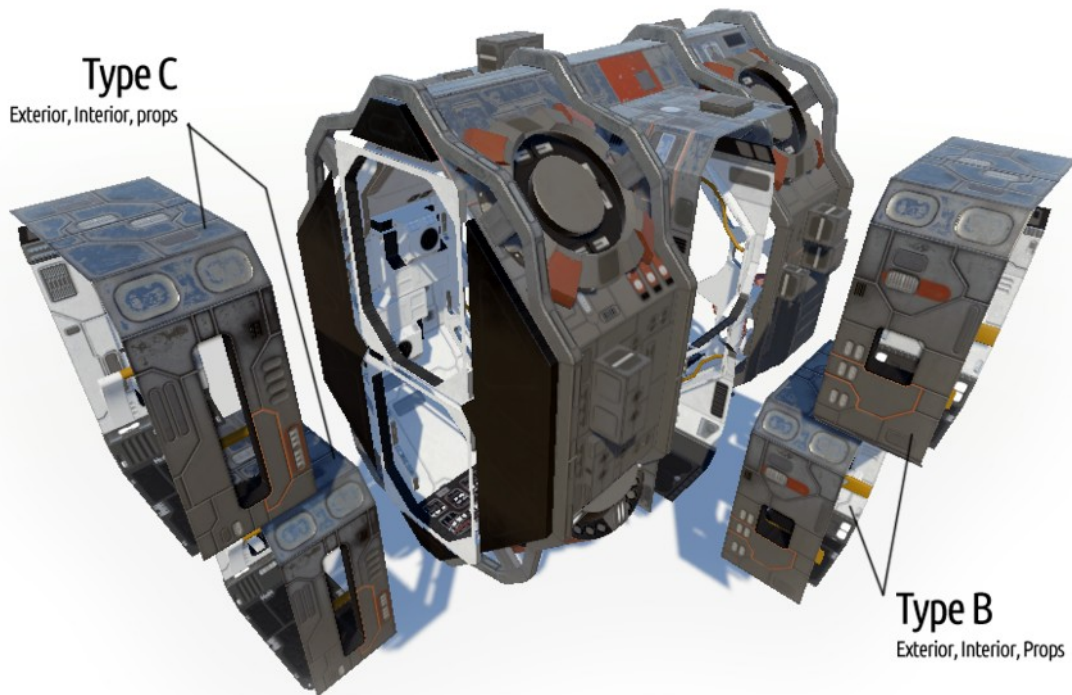
Type_S

Blueprint setup

Type A Compilation



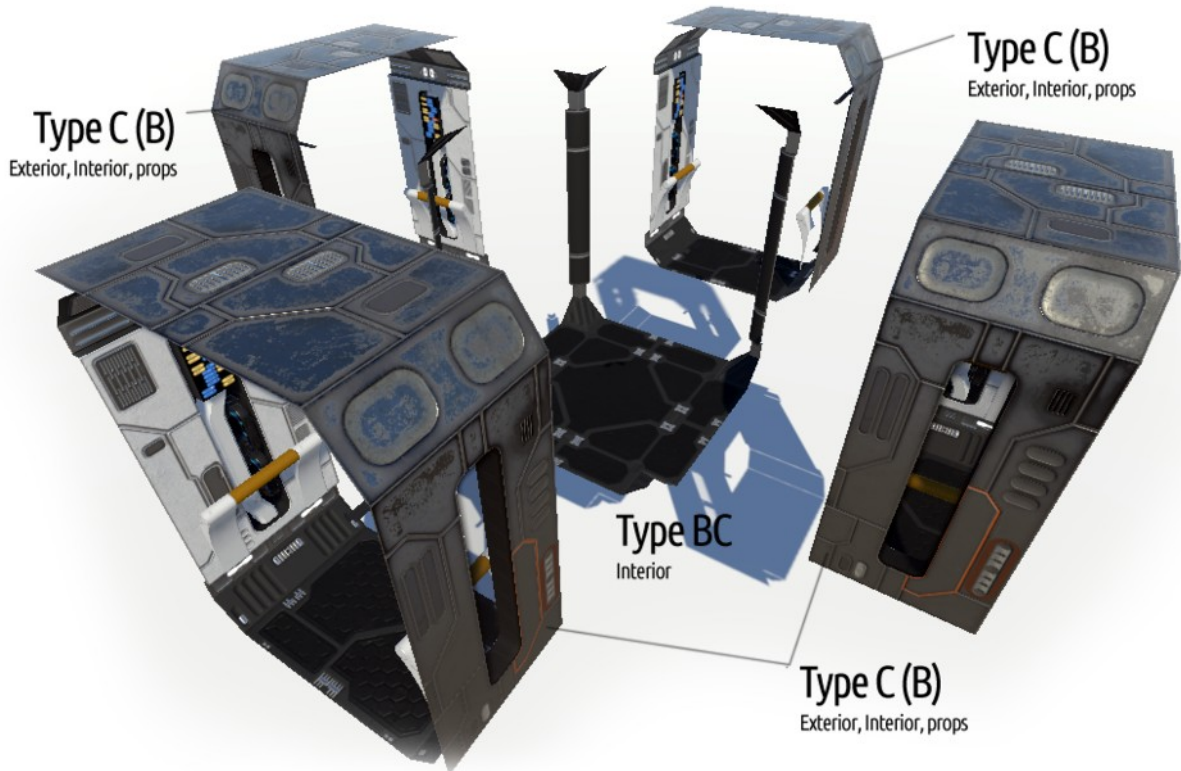
Type A, B, C Compilation



Type B&C Joint



Types B&C Crossroad



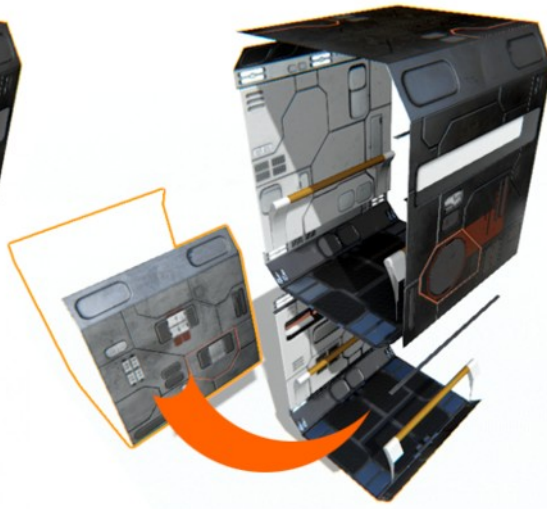
Types B&C Z-Fighting Fixed



Z-Fighting

Upper Floor Interior / Lower Floor Exterior

When you are making multi floor section using B or C pieces 'Z-Fighting' will occur, as exterior of lower floor section will creep in.



Fix

Replacing the Exterior Skin

It is easy to solve. Hide this part from Blueprint and add an appropriate piece without exterior to replace it (from Prefab folder).



Voila!

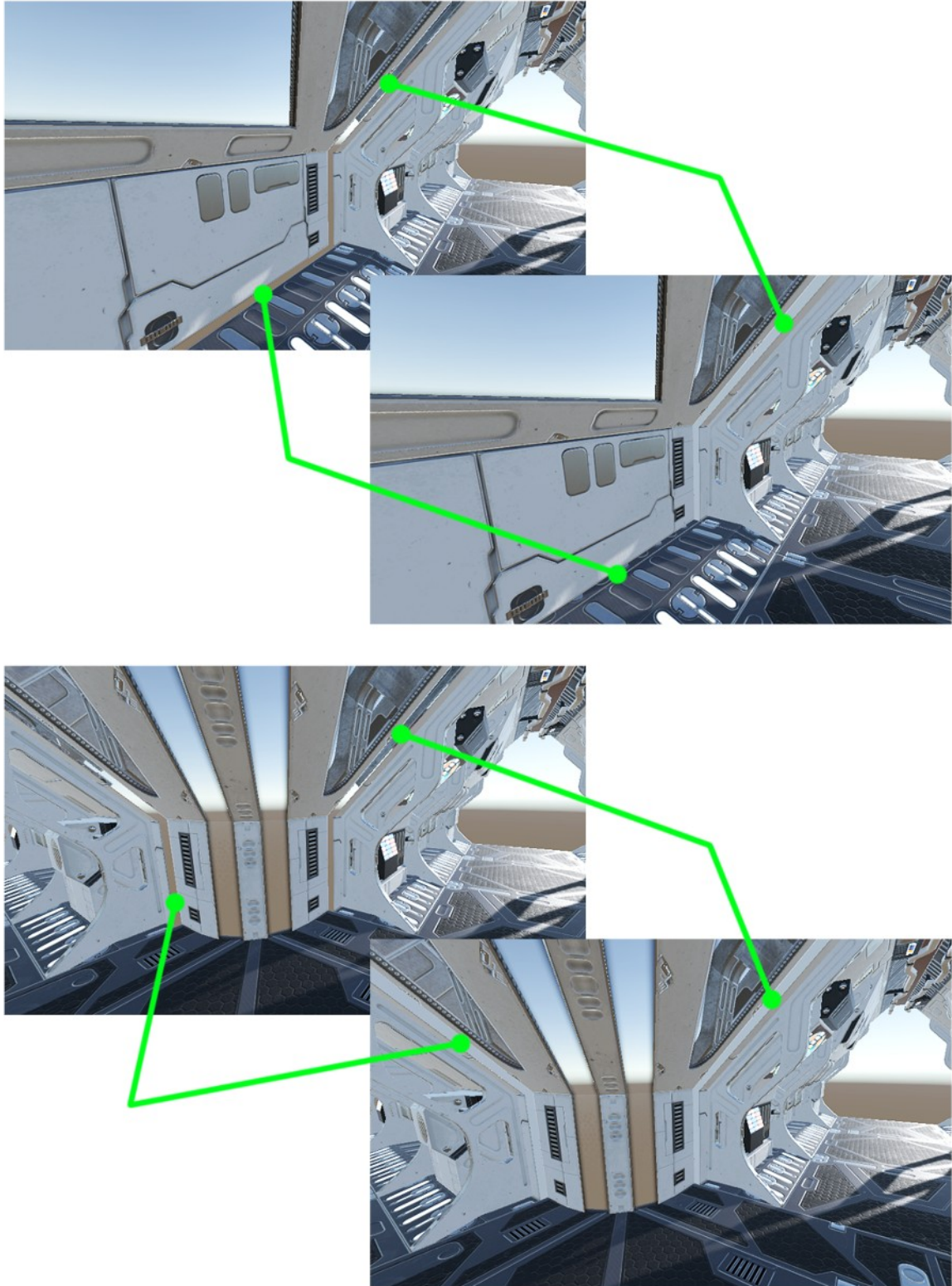
Elimination of the Problem

'Z-Fighting' vanished as error introducing piece got replaced.

Combining Irregular Prefabs

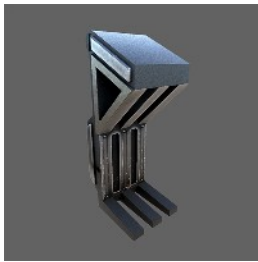
Straight, X-shaped and Curved Blueprints **with Windows**
when combined **with Windowless**
require these pieces:

DAI_II_I_to_Xwin
DAI_II_Floor_Wide
(Prefabs/Type A Interior)



Sci-Fi Heavy Station Kit CONTROL UNITS Prefabs

The Heavy Station Kit CONTROL UNITS has **78** Prefabs:



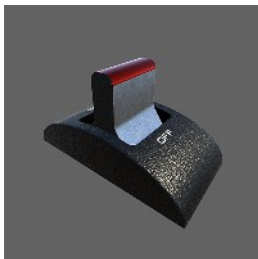
CONSOLE

Prefabs	Tris (LOD 0)	Colors	Notes	Position
6	348 – 1496	1	<p>You can install a ready-made control panel on the console using the following data:</p> <p>For the Lower: Position: Y1.10184, Z0.087 Rotation: X-26.6, Y180</p> <p>For the Average: Position: Y1.4531, Z-0.121 Rotation: X-90, Y180</p> <p>For the Top: Position: Y1.913, Z-0.0319 Rotation: X-110.92, Y180</p>	Free



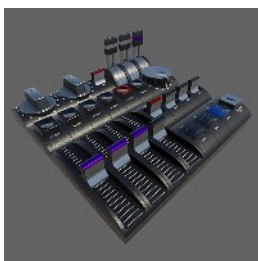
CONTROL SAMPLES

Prefabs	Tris (LOD 0)	Colors	Notes	Position
2	—	1	You can make your own builds yourself	Free



ELEMENTS

Prefabs	Tris (LOD 0)	Colors	Notes	Position
64	12 – 1392	1-7	It is recommended to install elements on the panel close to each other.	Free



PANELS

Prefabs	Tris (LOD 0)	Colors	Notes	Position
6	—	1	<p>Control panels have three standardized sizes 40x40cm, 40x60cm and 40x80cm.</p> <p>They can be located separately from each other on walls, floors, or ceilings - as you wish.</p> <p>The kit also includes a console model (which can stand against the wall), on which you can place three of your control panels at once.</p> <p>You can make your own builds yourself</p>	Free

Sci-Fi Heavy Station Kit SPACESHIP-1 Prefabs

The Heavy Station Kit SPACESHIP-1 has **46** Prefabs:



Prefabs	Tris	Colors	Notes
2	LOD0 - 5612 LOD1 - 4468 LOD2 - 2805	1 + text	Dome Out (LOD0 - LOD1 - LOD2) 668 - 502 - 443 Dome In (LOD0 - LOD1 - LOD2) 516 - 386 - 308

COCKPIT

Position
Fixed



Prefabs	Tris	Colors	Notes
29	LOD0 - 13586 LOD1 - 9544 LOD2 - 6793 LOD3 - 3723	1	—

CONSOLE

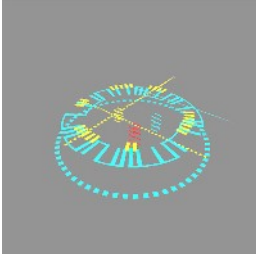
Position
Free



Prefabs	Tris	Colors	Notes
1	LOD0 - 10106 LOD1 - 8346 LOD2 - 6000 LOD3 - 2811	1 + text	—

FUSELAGE

Position
Fixed



Prefabs	Tris	Colors	Notes
2	12 - 308	It is being Edited	—

SCREEN

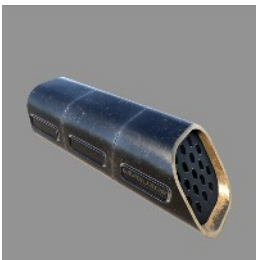
Position
Free



Prefabs	Tris	Colors	Notes
7	10 - 1852	1	—

SHIP SYSTEMS

Position
Fixed



Prefabs	Tris	Colors	Notes
5	556 - 1052	1	—

WEAPON

Position
On the hardpoints under the wings, or Free

Heavy Station Kit BASE Materials

DISPLAYS (Materials)	(Meshes)	DOORS (Materials)	(Meshes)
B2_Eq1	B2_Eq_1	B2_EG_OFF	B2_EG
B2_Eq2	B2_Eq_2	B2_EG_ON	B2_EG
B2_Eq3	B2_Eq_3	Glass_Dark	Door_a_glass
B2_Eq5A1	B2_Eq_5D, B2_Eq_5T	Glass_Green	Door_a_glass
B2_Eq5A2	B2_Eq_5D, B2_Eq_5T	Glass_Red	Door_a_glass
B2_Eq41	B2_Eq_4, B2_Eq_7		
B2_Eq42	B2_Eq_4, B2_Eq_7		
B2_Eq43	B2_Eq_4, B2_Eq_7		
B2_Eq44	B2_Eq_4, B2_Eq_7		
B2_Eq51	B2_Eq_5, B2_Eq_7		
B2_Eq52	B2_Eq_5, B2_Eq_7		
B2_Eq_23c	B2_EQ_23c		
B2_TB_Med	B2_TB_M1, B2_TB_M2, B2_TB_M3		
B2_TB_Small	B2_TB_S1, B2_TB_S2, B2_TB_S3		
B2_TD_Part2	B2_TD_PRT2		
Disp_Cons	B2_Dis_Cons		
Disp_Cons_Mode	B2_Dis_Cons		
Disp_Cons_Power	B2_Dis_Cons		
TOP-BOTTOM (Materials)	(Meshes)	EQUIPMENT (Materials)	(Meshes)
B2_Top_Bottom	TB_(1-3)_F	B2_Eq(0-4)	Eq(1-5), Eq(8-10)
B2_TB_PH	TB_Hexa_F, TB_Penta_F		Chan_(11-12), Chan_(41-44), Arm
		B2_Eq_Out	Door_a, Door_a_H, Door_a_slide
		B2_Eq_Out1	Eq20a, Eq20b, Eq20c, Eq21, Eq23c
			Eq23, Eq23a, Eq23b, Eq23d
TOP-DOWN (Materials)	(Meshes)	FLOORS (Materials)	(Meshes)
B2_TD_2_RGlass	TD_base2_RGlass_(1-3)	B2_Floors	Floor_(1...4...), Floor_(6...7...)
B2_TD_Roof	TD_base_Roof(1-3)		FBC_(...), FCC_(...), FLC_(...)
B2_TD_Roof1	TD_base2_RoofG_(1-3)		FF_base2_El(...)
B2_TopDown	TD_Base2_WE_M, TD_base_part2,		FF_base2_Rel(...)
	TD_base_outwall(...),		St_Railing(...)
	TD_base_topwall, TD_base_topwall1,		B2_fba
	TD_base_topwall2, Base2_Egate_0,		Support_(1-4)
	TD_base_topwall_(2...4), Ladder2,		Floor_Hexa(...), Floor_Penta(...)
	B2_TD_HandRail, B2_TD_HandRail2		B2_FFH(...), B2_FFP(...)
B2_TopDown1	Arches_C_1, TD_base_topwall3,	B2_Floors_PH	
	Floor_5_base, Floor_5_base_C,		
	Floor_5_base_F, Floor_5_base_Plate,		
	Floor_5_base_TB, B2_Egate,		
	B2_EGate0, B2_EgateA, B2_EgateB,		
	Base2_EGate_1		
		PROPS (Materials)	(Meshes)
		B2_Props(0-4)	Bare(1-2), Box(1-2), Tank(1-2)
		STAIRS (Materials)	(Meshes)
		B2_Stairs, B2_Stairs_NL	St_1(...)-St_10(...)
			B2_HR(...)
			ladder1
		WALLS (Materials)	(Meshes)
		B2_Walls(0-4)	All Arches, Partitions, Partitions2, Pipeline, and Walls Meshes

Heavy Station Kit HANGARS Materials

AGGREGATES (Materials)	(Meshes)	FLOORS (Materials)	(Meshes)
H2_Aggregates_0-5)	Agg(...), H2_P1_1-5), H2_P2_01-19)	H2_Floors, H2_Floors_NoL	floor_0h(...), floor_1h(...), floor_1h_fill(...), floor_1h_HR, floor_2h(...), floor_2h_fill(...), floor_2h_HR, floor_3h(...), floor_4h(...), floor_5h(...), H2_floor_6(...), handrail_1-4), transition_1-3)
AGGREGATES2 (Materials)	(Meshes)		
H2_Agg2_Light	H2_Agg_Light1, H2_Agg_Light2		
H2_Aggregates	H2_Agg_1-13)		
DISPLAYS (Materials)	(Meshes)	H2_Floors_NoL, H2_FloorsGlass	floor_1h_Glass, floor_1h_Glass_one, floor_2h_Glass, floor_2h_Glass_one, H2_FF_T
H2_Dis_Door	H2_Dis_Doors		
H2_Disp_Cons1	H2_Cons1		
H2_Disp_Cons1D	H2_Cons1_D		
H2_Disp_Cons2	H2_Cons2		
H2_Disp_Cons4	H2_Cons4		
H2_Disp_Cons4D	H2_Cons4_D		
H2_Disp_Garage	H2_Gar_5_Light		
DOORS (Materials)	(Meshes)	GARAGE (Materials)	(Meshes)
Door2_(Green, Grey, Red)	door_3_glass	H2_Garage	H2_Gar_1-8)
PROPS (Materials)	(Meshes)	GATEWAY (Materials)	(Meshes)
H2_Props_0-5)	hangar_barrel_1-2), hangar_battery1, hangar_box_1-5)	H2_Gateway	Brace, Gateway_1-2), Hook, GW_gate_1-2), Ladder
SUPPORTS (Materials)	(Meshes)	H2_Shield	Shield
H2_Supp_Doors_0-5)	H2_CeL_02, 04), H2_CeL_1-8), H2_Sup_1-4), Mount, SG_2, Support_5(...), Door_0-3), Gate, Elevator1(...), H2_Elevator, Plate	OUTSIDE (Materials)	(Meshes)
WALLS (Materials)	(Meshes)	H2_LightWall, H2_LightWall_2	H2_Out_Ewall(...)
H2_Arches(...)	Glass_Arch_1-4), Glass_Out(...), Glass_Wall(...)	H2_Out1_Light	H2_Out_1_Light
H2_Walls1_0-5)	Wall_1-4), arche_1-3)	H2_Out2_Light	H2_Out_2A_Light
H2_Walls2_0-5)	Wall_5-7)	H2_Out3_Light	H2_Out_3_Light, H2_Out_3A_Light
		H2_Outside	H2_Out_1-6)
		TOP BOTTOM (Materials)	(Meshes)
		H2_TB, H2_TB_A	H2_TB_Cover, TB_II_1-3)
		TOP-DOWN (Materials)	(Meshes)
		H2_Top-Down	TD_hangar_ARCH_0-1), TD_hangar_OW_1-4), TD_hangar_TW_0-2)
		TOP-DOWN2 (Materials)	(Meshes)
		H2_TopDown2	H2_Outwall(...), H2_Support(...), H2_Topwall

Heavy Station Kit COLONY Materials

DECORATION (Materials)	(Meshes)	DISPLAYS (Materials)	(Meshes)
C2_Decoration	C2_Dec_PAN(1-3), C_Nat_Fern(...), C_Nat_Flower(...), C_Nat_Grass(...), C_Nat_Ground(...)	C2_ServerL, C_Light, C_Energy_Door C2_ServerS, C_Light, C_Energy_Door C_Control1 C_Control2 C_Control3 C_Displays(1-4) C_ElevDispDn, C_ElevDispMove C_ElevDispUp C_Med C_Monitor C_Netbook C_Pad C_Ray	C_Dis_Stand2 C_Dis_Stand1 C_Dis_Control1 C_Dis_Control2 C_Dis_Control3 C_Dis_Planet, C_Dis_Scr(2-3) C_EL_DisplDn C_EL_DisplUp C_Dis_MConsole C_Dis_Monitor C_Dis_Netbook C_Dis_Pad C_Dis_Scr(...), C_Dis_Ray
C2_Stones	C2_Dec_PAN1_St, C2_Dec_PAN2_St, C_Stone(2-4)		
C_Leaf(1-3)	C_Tree_Leafs1		
C_Tree(1-3)	C_Tree_Tree1		
DEVICES (Materials)	(Meshes)	DOOR-WINDOW (Materials)	(Meshes)
C2_Devices_(0-5)	C_Dev_Bidet, C_Dev_Bowl, C_Dev_Button(1-3), C_Dev_Console, C_Dev_Pallet, C_Dev_Pod_Med, C_Dev_Podium(1-3), C_Dev_Sho, C_Dev_Sup_Med, C_Dev_Support, C_Dev_Tap, C_Dev_Taps, C_Dev_Towel, C_Dev_Uri, C_Dev_Washstand, C_Pot(1-3), C_Dev_Washstand1	C2_Doors(...)	C_BorderKit, C_Door(...), C_Vent(...), C_Win(...)
FLOORS (Materials)	(Meshes)	ELEVATOR (Materials)	Meshes
C2_Floors(...)	C_Floor(...), C2_Floor(...) C2_Floor_HR1, C2_Floor_HR1A, C_Stairs3_A1m, C_Stairs3_Am, C_Stairs3_B1m, C_Stairs3_Bm, C_Stairs3_C1m, C_Stairs3_Cm, C_Stairs_1, C_Stairs_2, C_Stairs_2A, C_Stairs_2B, C_Stairs_2C, C_Stairs_2D, C_Stairs_3, C_Stairs_4	C2_Elevator	C2_EL_Cons2, C2_EL_Elevator(...), C2_EL_Tube, C2_EL_Wall, C_EL_Cabine, C_EL_Console, C_EL_FFloor(...), C_EL_Plate(...), C_EL_Support, C_EL_Tank
KITCHEN (Materials)	(Meshes)	FURNITURE (Materials)	(Meshes)
C2_Objects2_(0-5), NH	C2_Blender, C2_Bracket(...), C2_CoffeeTable, C2_Container(1-4), C2_Dish(1-5), C2_Drawer(30,60), C2_Fork(1-3), C2_Jalousie(...), C2_Knife(1-4), C2_Label(...), C2_Lamp, C2_Microwave, C2_MicrowaveDoor, C2_Partition_D, C2_Partition_U, C2_Scales(...), C2_Screen, C2_Shelf(...), C2_Sound, C2_Spiracle(...), C2_Table(...), C2_Teapot(...), C2_Toster, C2_WashingMachine, C2_Work(...)	C2_Furniture_(0-5)	C_Fu(...)
OBJECTS (Materials)	(Meshes)	GLASS (Materials)	(Meshes)
C2_Objects	C_Obj_Bottle, C_Obj_Bottles, C_Obj_Camera, C_Obj_Container, C_Obj_Containers, C_Obj_Cutlery2, C_Obj_Fork, C_Obj_Hold_A, C_Obj_Holder(1-2), C_Obj_Knife, C_Obj_Microscope, C_Obj_Monitor, C_Obj_Microscope1, C_Obj_Netbook, C_Obj_Pad, C_Obj_Pen, C_Obj_Tools, C_Obj_Spoon, C_Obj_Thermos,	C_Mirr C_Glass	C_Dis_Mirror C_Glass_HR(...), C_Glass_Sho, C_GlassD&W, C_GlassPano, C_GlassSlider, Glass_Door, Glass_EL_Floor, Glass_EL_FloorH(...), Glass_P1, Glass_R1, Glass_R2, Glass_Stairs(1-3), Glass_StairsB, Glass_StairsC, Glass_StairsD, Glass_Table(1-3), Glass_Trans(2-3), Glass_Wall_2m, Glass_Wall_3m, Glass_Window C_Stairs3_A1g, C_Stairs3_Ag, C_Stairs3_B1g, C_Stairs3_Bg, C_Stairs3_C1g, C_Stairs3_Cg C2_Blender_Glass, C2_Dish3_Glass, C2_Table_Door_Glass, C2_WM_Glass, C2_MicrowaveGlass, C_Obj_Cup, C_Obj_TestTube(...) C_EL C_Glass_0, C_Glass_min(...), C_Glass_plus(...)
		OUTSIDE-TOPDN-2 (Materials)	(Meshes)
		C2_Outside2, C2_Outside2_Z	C2_Out2(...)

C_Obj_Thermoses, C_Obj_Tray

OUTSIDE-TOPDN (Materials)	(Meshes)
C2_Misc	C_Misk_Aerial, C_Misk_AerialBase, C_Misk_FoSup, C_Misk_SolarHolder, C_Misk_Foundation(...), C_Misk_GlassWallCorner, C_Misk_SolarPanel
C2_Outside_(1-2)	C_Out_Support, C_Out_TD_(1-4), C_Out_Trans(...), C_Out_Wall(...)

WALLS (Materials)	(Meshes)
C2_Walls_(0-5)	C_1Walls(...), C_2Walls(...), C_3Walls(...), C_4Walls(...), C_Arche_(1-2), C_Walls_1, C_Wall_Part(...)
FURNITURE-24 (Materials)	(Meshes)
C_Furniture_24	Meshes\Furniture_24\...
WEAPON-24 (Materials)	(Meshes)
C_Weapon_24	Meshes\Weapon_24\...
AMMO-24 (Materials)	(Meshes)
C_Ammo_24	Meshes\Ammo_24\...

Heavy Station Kit DUGOUT Materials

DUGOUT / Materials / ...	DUGOUT / Meshes / Displays / ...	DUGOUT / Materials / ...	DUGOUT / Meshes / Type B Exterior / ...
N_Screens_A	N_Screens_A...	N_BC_Out	N_B...
N_Screens_BC	N_Screens_B..., N_Screens_C...		
N_Nozzle	N_Screens_S_15		DUGOUT / Meshes / Type BC Exterior / ...
N_Screens_S	N_Screens_S...	N_BC_Out	N_BC...
	DUGOUT / Meshes / Gaps / ...		DUGOUT / Meshes / Type C Exterior / ...
N_Gaps	N_Gaps_A..., N_Gaps_B..., N_Gaps_Unit	N_BC_Out	N_C...
N_A_Out	N_Solid_A, N_Solid_A_C, N_Solid_A_F		
N_A_In	N_Solid_A...		DUGOUT / Meshes / Type B Interior / ...
	DUGOUT / Meshes / Glass / ...	N_BC_In	N_Bi...
N_Glass	N_G...		DUGOUT / Meshes / Type BC Interior / ...
	DUGOUT / Meshes / Plates / ...	N_BC_In	N_BC...
N_Screens_P	N_DP...		DUGOUT / Meshes / Type C Interior / ...
	DUGOUT / Meshes / Type A Exterior / ...	N_BC_In	N_Ci..., N_C_End_Pipeline
N_A_Out	N_Ae...		DUGOUT / Meshes / Type B Props / ...
	DUGOUT / Meshes / Type A Interior / ...	N_BC_Props	N_Bo...
N_A_In	N_Ai..., NA_Pipeline...		DUGOUT / Meshes / Type BC Props / ...
	DUGOUT / Meshes / Type A Props / ...	N_BC_Props	N_BCo...
N_A_Props	N_Ao..., N_D..., N_Crystal...		DUGOUT / Meshes / Type C Props / ...
	DUGOUT / Meshes / Platforms / ...	N_BC_Props	N_Co
N_PL_Win	...Win...		DUGOUT / Meshes / Type S / ...
N_PL	All (Except ... Win)	N_S_Out_In	N_Sg...
			DUGOUT / Meshes / Type S Props / ...
		N_S_Props	N_So...

Heavy Station Kit POWER-UPS Materials

POWER-UPS / Materials / ...

HSK_PU_Items
HSK_PU_Spawn
HSK_PU_Spawn_0G
HSK_PU_Spawn_A
HSK_PU_Spawn_A_E
HSK_PUA

POWER-UPS / Meshes / ...

HSK_PU_11 ... HSK_PU_46
HSK_PU_0, HSK_PU_2
HSK_PU_0_1
HSK_Spawn
HSK_Spawn_E, HSK_PU_Plate
HSK_PUA_11 ... HSK_PUA_44

Sci-Fi Heavy Station Kit CONTROL UNITS Materials

CONTROL UNITS / Materials / ...

CU_1

CONTROL UNITS / Meshes / ...

...

Sci-Fi Heavy Station Kit SPACESHIP-1 Materials

SPACESHIPS / Materials / ...

Cockpit_1 / Cockpit_1 (Cockpit_1_text)

Cockpit_1 / Dome_1

Console / Console

Fuselage_1 / Fuselage_1 (Fuselage_1_text)

Fuselage_1 / Nozzle_1

Screen / Screen...

Weapon_1 / Weapon_1

SPACESHIPS / Meshes / ...

Cockpit_1 / LODs / Cockpit_1_LODs

Cockpit_1 / SS1_Dome...

Console / SS1_BB...

Console / SS1_Button...

Console / SS1_Lever...

Console / SS1_Pedal

Console / SS1_Switch...

Cockpit_1 / LODs / Dome...

Console / LODs / SS1_Console_LODs

Fuselage_1 / SS1_Chassis...

Fuselage_1 / SS1_Gun...

Fuselage_1 / SS1_Ladder...

Fuselage_1 / SS1_Turbine...

Fuselage_1 / LODs / Fuselage_1_LODs

Fuselage_1 / SS1_Nozzle

Screen / Screen...

Weapon_1 / SS1_Weapon...

SCRIPTS

Customize Prefabs (scripts settings)

General info

All asset classes placed in common namespace **DotTeam.HSK**.

All script files are located in the corresponding subfolders of the **Assets > Heavy Station Kit > _common > Scripts** folder.

Doors & Gate2

Refers to prefabs

HSK Base	B2_Door <i>Assets > Heavy Station Kit > BASE > Prefabs > Doors</i>
HSK Colony	C2_Door <i>Assets > Heavy Station Kit > COLONY > Prefabs > Door Window</i>
HSK Hangars	H2_Door, H2_Gate2 <i>Assets > Heavy Station Kit > HANGARS > Prefabs > Doors</i>
HSK Dugout	DBC1_II_Door_HSK <i>Assets > Heavy Station Kit > DUGOUT > Prefabs > Type BC Interior</i>

Door / Gate2 Prefabs allows switching the operating modes of the door/gate in Edit and Game modes via public property **Mode** of **DotHskDoor** Script component attached to top-most Prefab game object, including:

Active	the door/gate is opening and closing automatically, at the approaching of a Player (gates are manually operated using the console). Initially, the door/gate is closed. Sound is being played, and opening and closing sounds of the panel sliding differ
Active Open	before the first pass, the doors/gates remain open (gate initially is open), after which the doors/gates continue to work in the same way as in Active mode
Blocked	the door/gate is closed. Sound of "the closed door" is being played, at approaching of a Player
Inactive Open	the door/gate is disabled, being fully open
Inactive Closed	the door/gate is disabled, being fully closed
Broken Open	the door/gate is disabled, being almost fully open
Broken Closed	the door/gate is disabled, being almost fully closed

Selecting of the door/gate operating mode is instant (happening immediately). In the Game mode the doors are automatically triggered when the character approaches.

Useful public properties of **DotHskDoor** class

dotHskDoorMode mode Allows set/read door operating mode, setting mode is instant - happening the next Update cycle.
Acceptable values are **dotHskDoorMode.{mode_id}**, where **mode_id** is one of following literals: **active**, **blockea**, **inactiveOpen**, **inactiveClosea**, **brokenOpen**, **brokenClosea** (see description of operating modes above).

*Gate2 prefab only: **DotHskDoorHangarsGate2Console** script (attached to **Console_Trigger** GameObjects, childs of **Console1** and **Console2** GameObjects)*

Texture Banner On-screen hint image (source file **HSK_Gui.psd** included in *Assets > Heavy Station Kit > common > Textures > GUI*)

Gate

Refers to prefabs

HSK Hangars	GW_LargeGate, GW_SmallGate Assets > Heavy Station Kit > HANGARS > Prefabs > Gateway
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Gate Prefab allows switching the operating modes of the gate in Edit and Game modes via public property **Mode** of **DotHskGate** Script component attached to the top-most Prefab game object. Gate prefab operates in the same manner as Gate2 prefab (see "Doors & Gate2" section) and its operational modes are including the same values as Gate2.

Useful public properties of DotHskGate class

dotHskGateMode mode	Allows set/read gate operating mode, setting mode is instant - happening the next Update cycle. Acceptable values are dotHskGateMode.{mode_id} , where mode_id is one of the following literals: active , blockeo , inactiveOpen , inactiveCloseo , brokenOpen , brokenCloseo (see list of operating modes in "Doors & Gate2" section).
bool isFullyOpen	Equals true if the Gate is completely open at this time, otherwise - false
bool isFullyClosed	Equals true if the Gate is completely closed at this time, otherwise - false
bool isStopped	Equals true if the Gate is not moving at this time, otherwise - false

DotHskGateHangarsConsole script (attached to Console_Trigger GameObjects, childs of Console1 and Console2)

Texture OpenTip, CloseTip	On-screen hint images (source file HSK_Gui.psd included in Assets > Heavy Station Kit > common > Textures > GUI)
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Door's Consoles

Refers to prefabs

HSK Base	B2_Cons_Mode, B2_Cons_Power Assets > Heavy Station Kit > BASE > Prefabs > Equipment
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There are two types of Console prefabs:

Prefab B2_Cons_Power – “the Power console” allows for choosing if the door/gate is either operating properly or inactive;

Prefab B2_Cons_Mode – “the Mode console” allows for choosing if the door/gate is either Active or Blocked.

TIPS

- Consoles can manage all types of HSK Base, Colony, Dugout and Hangars Doors and HSK Hangars Gate2 (**H2_Gate2**) Prefabs simultaneously.
- Both consoles **B2_Cons_Power** and **B2_Cons_Mode** aren't available for manipulation if the first door in theirs **ControlledDoors** list has mode either **brokenOpen** or **brokenCloseo**.
- The Console **B2_Cons_Mode** does not work if the first door in the **ControlledDoors** list has mode either **inactiveOpen** or **inactiveCloseo**.

SETTING UP THE CONSOLE

1. Attach the script **DotHskDoorControl** ([Assets > Heavy Station Kit > common > Scripts > Doors > DotHskDoorControl.cs](#)) to all instances of the door prefab, which you would like to manipulate.
2. Set **DotHskDoorControl** script parameters:
 - 2.1. **OpenIfPowerOff** to **true** for the door that you would like automatically opened if the power will go down.
3. Specify **PowerOnStatus** so after the Power is restored doors will get:

blocked	the doors will get locked, and the Red light will signalize that
active	the doors will get unlocked, and the Green light will show this
previous	the doors will get into their previous state when the Power went off. If initially inactive, then the value set at BlockedByDefault parameter will be used

- Specify all the doors/gates to be controlled via this particular console, using the **ControlledDoors** parameter (of the **DotHskDoorConsole** script, which is attached at the instance of the console prefab). The same doors/gates can be placed to **ControlledDoors** list of many consoles.
- Check the **ConsoleList** parameter of the **DotHskDoorControl** script, for there should be all the consoles that are controlling this door. Please do not edit this list, because it is automatically made.

TIPS

To set a mode for multiple doors which are handled by single console, specify the mode of the first door in the **ControlledDoors** list. If necessary, multiple consoles can manage one door and a single console can manage many doors. If having such a tricky situation, please keep in mind:

- the mode of the first door in the **ControlledDoors** list is displayed by the console, and only the mode of the first door in that list is taken into account when switching modes;
- all the consoles that handle the same doors are equal in functionality.

Be careful at making complex door control configurations. If set up incorrectly, some doors may get into unexpected modes.

If the doors are operated by console, it is recommended to switch their mode using the following methods of the **DotHskDoorControl** script attached to the first door/gate object in the **ControlledDoors** list:

Useful public methods of **DotHskDoorControl** class

<pre>void SetPowerMode(bool isOn)</pre>	<p>Allows to switch on/off the Power of the door. For each door, this method saves and restores its stance "active/blocked" and considers the value of the parameter OpenIfPowerOff.</p> <p>Acceptable values for isOn parameter are bool true (for turning the power on) or bool false (for turning the power off).</p>
<pre>void SetMode(dotHskDoorMode mode)</pre>	<p>Allows doors/gate blocking and unblocking. The method can set off any of the available modes; however, for switching the power on/off, it is recommended using SetPowerMode() method.</p> <p>Acceptable values are dotHskDoorMode.{mode_id}, where mode_id is one of following literals: active, blockea, inactiveOpen, inactiveClosea, brokenOpen, brokenClosea (see list of operating modes above).</p>

DotHskDoorConsoleCollider script (attached to **Console_Trigger** GameObject)

Texture Banner	On-screen hint image (source file HSK_Gui.psd included in Assets > Heavy Station Kit > common > Textures > GUI)
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Elevator

Refers to prefabs

HSK Colony	C_EL_Platform, C_EL_Platform2 Assets > Heavy Station Kit > COLONY > Prefabs > Elevator
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SETTING UP THE ELEVATOR

1'st Step. Place the Platform (Cabin) of the Elevator in the scene.

TIPS

Two platform types are available and they differ by pre-installed consoles:

- The platform **C_EL_Platform** is using console **C_EL_Console**, which provides keyboard input for selecting specific floor, and for selecting underground level stories an additional modifying button should be used.
- The platform **E_EL_Platform2** is using console **C2_EL_Cons2**, which shows list of the available floors on the graphical panel, and allows selecting of the required floor using mouse button via "touchscreen".
- Tip:** While operating touchscreen elevator console "C2_EL_Cons2" Player may have an item in their hands. Usually, the use of console behaves through pressing the same button, which is binded for use of an item in the hands of the Player - if that is the case, you can add callback-functions (see the "Recommended **Specific solutions**" Easy FPS section below)

2'nd Step. Place Consoles of the Elevator on all floors and at the Platform of the Elevator.

TIPS

Coordinate at Y axis of the Console's origin point is used for positioning Platform of the Elevator on according floor.

3'rd Step. Script setup

A. Main settings (script DotHskElevator2, assigned as child component to Platform Object):

1) Optional, only for custom (non **C_EL_Platform** or **C_EL_Platform2**) platforms:

- Assign to property "Platform" - Platform object.
- Attach Platform Console:
 - for **C_EL_Console** - assign to property "Platform Console" of DotHskElevator2 script Console object that is placed at the Platform of the Elevator.
 - for **C2_EL_Cons2** - assign Platform object (**C_EL_platform2**) to property "Elevator 2" of DotFPCElevator2ConControl script attached to **C2_EL_Cons2** prefab.

2) Set number of Floors of Elevator at property "Size" of list "Floors" and to each element of the list:

- Assign appropriate Console objects to property "Console"
- At "Elevator Label" property set a symbolic ID code of Elevator title for displaying on digital panel (only for **C_EL_Platform2**)

TIPS

At Console assignment, readonly "Floor Height" property of an appropriate element of list "Floors" shows the height of the floor (Y-axis).

- Using slider bar "Floor Number" for each element set hotkey for selecting Floor number at Console of Elevator.

TIPS

At configuring script while in Edit Mode, numbers of floors are automatically modified, so they stay unique;

Supported range of the number of floors is from "-9" to "9". While in game, hold modifier key (by default "Shift", can be changed via DotControlCenter prefab) to type in Negative, or in other words, Underground floor number.

- At the "Floor title" property set floor title for displaying on a digital panel (only for **C_EL_Platform2**).

3) At the "Current floor" property set floor, on which Platform of Elevator will be at start of the game. So the platform should move to such floor.

TIPS

At this property should be assigned an index of the appropriate element from the "Floors" list. This differs from the actual floor number.

4) Set platform movement speed at the property "Platform Speed".

B. Optional - customize movement sounds (script DotHskElevator2, assigned as child component to Platform object of the Elevator):

1) Assign to property "Platform Sound Source" AudioSource object, attached at Platform of the Elevator.

2) Assign at "Start Sound", "Motion Sound" and "Stop Sound" properties AudioClip with corresponding sounds, such as starting, movement and stop.

TIPS

Duration of AudioClip "Start Sound" defines the amount of time that takes Elevator to accelerate, and "Stop Sound" - braking of Elevator till stopping.

C. Optional - customize Displays of Consoles (script DotHskElevator2Events, assigned as child component to Platform object of the Elevator)

1) Assign to property "Display Up Mat" material for the upper display of the console, which shows the number of the current floor at standby mode as well as at movement of the Platform.

2) Assign to property "Display Dn Mat" material for the bottom display of the Console at Floors, which shows the state of the Elevator - "Movement up", "Movement down" or "Standby".

3) Assign to property "Display Dn Platform Mat" material for the bottom display of the Console at Platform, which shows the number of the desired floor while Elevator is running.

TIPS

Every elevator that is placed within the scene, must use a separate set of materials for displays. Because for showing identical information at Consoles script is modifying property sharedMaterial of Renderer object. Detailed information on preparing materials for Displays and configuring the DotAnimatedTexture script can be found in the "Displays" section below.

*Useful public properties & methods of **DotHskElevator2** class*

<i>int</i> currentFloor	The Property contains the internal number of the current floor, to move the elevator platform use the method call()
<i>bool</i> call(int floor)	"Call" elevator platform to specified floor , the method will return false if action can't perform
<i>Texture</i> CallElevatorTip, EnterFloorTip	On-screen hint images (source file HSK_Gui.psd included in <i>Assets > Heavy Station Kit > common > Textures > GUI</i>)

D. Optional – attach callback routines

Attach callback routines for events, arising when graphical panel (*console **C2_EL_Cons2***) activated when the player approaches the console and deactivated when the player moves away from the console (script **DotHskElevator2ConControlCol**, assigned as child component to **C_EL_Collider** - child of graphical panel console **C2_EL_Cons2**), see example in chapter "Third-party Character Controller Requirements" below

*Useful public properties & methods of **DotHskElevator2ConControlCol** class*

<i>UnityEvent</i> OnDisplayActivated	The property contains callback procedures that are called when the graphic panel is activated*
<i>UnityEvent</i> OnDisplayDeactivated	The property contains callback procedures that are called when the graphic panel is deactivated*

* Create callback procedures as script methods attached to some **GameObject** in the scene and assign them to the specified properties

Shuttle

HSK Dugout kit contains a set of prefabs that implement the functionality of character-controlled shuttles of various designs, including:

Refers to prefabs (HSK Dugout kit only)

Shuttle <i>Assets > Heavy Station Kit > DUGOUT > Blueprints > Shuttle Systems</i>	Shuttle frame <i>Base shuttle prefab - contains the shuttle frame with connected main control scripts</i>
DBPS_II_Cons_0, DBPS_II_Cons_1, DBPS_II_Cons_2, DBPS_II_Cons_3 <i>Assets > Heavy Station Kit > DUGOUT > Blueprints > Shuttle Systems</i>	Console <i>Control console for activating the shuttle control mode</i>
DBPS_EE_Turb_L, DBPS_EE_Turb_Left, DBPS_EE_Turb_Left1, DBPS_EE_Turb_Right, DBPS_EE_Turb_Right1, DBPS_EE_Turb_S <i>Assets > Heavy Station Kit > DUGOUT > Blueprints > Shuttle Systems</i>	Turbine <i>Several variants of animated jet turbines working in conjunction with the shuttle controller</i>
DBPS_EE_Chass_0, DBPS_EE_Chass_1, DBPS_EE_Chass_2 <i>Assets > Heavy Station Kit > DUGOUT > Blueprints > Shuttle Systems</i>	Chassis <i>Several variants of animated chassis</i>
Follow Camera <i>Assets > Heavy Station Kit > DUGOUT > Blueprints > Shuttle Systems</i>	Follow Camera <i>Follow camera for organizing the user interface when controlling the shuttle</i>

SETTING UP THE SHUTTLE

1'st Step. Place the prefab **Shuttle** in the scene and build the shuttle body from the components of the DUGOUT and other HSK packages, place the interior elements, install the landing chassis, turbines and control consoles, adhering to the following rules:

- 1) all elements of the shuttle structure, including turbines, chassis and static cameras, should be placed in the **Shuttle Model** container, and it is desirable to place static cameras in the **Static Cameras** folder.
- 2) all **Follow Cameras** must be placed outside the **Shuttle Model** container, it is recommended to place them in the **Follow Cameras** container.
- 3) If it is necessary to organize remote control of an unmanned shuttle from the ground, the corresponding control console should be located outside the **Shuttle Model** container.

2'nd Step. Add to the **Flight Colliders** object the minimum number of **Sphere**, **Capsule** or **Box** Colliders needed to roughly represent the fuselage shape. These colliders are necessary for physical interaction with other objects in the scene at the time of flight, since at this time all other colliders attached to **Objects** in the **Shuttle** container are disabled.

3'rd Step. Script settings

1) **DotHskShuttleSupports** (attached to **Shuttle Model** object in **Shuttle** prefab)

- Attach first person controller (**FPC_Player** prefab) to **Person Controller** property
- Attach shuttle turbines to array **Turbines** property

- Attach shuttle chassis to array **Chassis** property
- Attach all (static and follow) cameras to array property **Cameras**:
 - to item **Camera** attach object with **Camera** component
 - to item **Listener** attach object with **AudioListener** component
 - in the **Hot Key** item set a hotkey that will activate the corresponding camera

2) DotHskShuttleFollowCamera (attached to **Follow Camera** prefab)

- Attach **Shuttle Model** object (**Shuttle** prefab) to property **Target**

3) DotHskShuttleTurbine (attached to turbine prefab)

- Adjust (if necessary) the **Place** and **Location** properties, see the **DotHskShuttleTurbine** script below for details.

4) DotHskShuttleCollider (attached to **Trigger** object of **DBPS_II_Cons_{N}** prefab)

- Attach topmost **Shuttle** container object (with **DotHskShuttleController** script attached) to **Shuttle Controller** property.

5) FPC_Shuttle (*Assets > Heavy Station Kit > common > Scripts > FPC > FPC_Shuttle.cs*)

- Attach **FPC_Shuttle** script to **FPC_Player** object.

Shuttle scripts overview

A) **DotHskShuttleController** class provides the main shuttle functionality - handling user input and flight control

DotHskShuttleController class

General settings Section

RigidbodyModel Reference to **Shuttle Model** object with **Rigidbody** attached

Hot Keys Section

KeyCodeSwitchEngine (Z) Hot key to turn on / off jet turbines

KeyCodeQuit (X) Hot key to exit flight control mode

KeyCodeForward (W) Hot key for moving forward

KeyCodeTurnLeft (A) Hot key for turning left

KeyCodeBackward (S) Hot key for backward movement

KeyCodeTurnRight (D) Hot key for turning right

KeyCodeStrafeLeft (Q) Hot key to strafe to the left

KeyCodeStrafeRight (E) Hot key to strafe to the right

KeyCodeUpward (Space) Hot key for takeoff up

KeyCodeDownward (Left Ctrl) Hot key hotkey for going down

floatTurnForce The force applied to the model when turning

Forces Section

floatForwardForce The force applied to the model when moving forward (backward)

floatForwardTiltForce Force of downward tilt of the shuttle bow when moving forward

floatTurnTiltForce Lateral tilt force of the shuttle when turning and / or strafe

floatStrafeForce The force applied to the model when strafe

floatLiftForce Force applied to the model when going up and / or going down

floatFreeFallForce The force of "gravity" applied to the model in free fall when the engines are turned off

floatTurnTiltForcePercent Percentage of tilt power when turning

Wiggling Section

floatWiggleAmplitude The angular amplitude of the shuttle tilts when wiggling. The shuttle tilts between 50% and 100% of the specified

	amplitude
<i>float</i> WiggleDuration	Oscillation period of wiggling, sec
<i>float</i> WiggleDelay	Delay from the last press of any control key until the shuttle enters wiggle mode, sec
<i>float</i> WiggleMinHeight	The minimum height of the shuttle hovering above the surface, starting from which the wiggling mode can be activated

Miscellaneous Section

<i>float</i> FreeFallHeight	The height of the shuttle above the surface during downward movement, below which the descent speed begins to be limited. This prevents the shuttle structural elements from falling under the surface upon landing
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Other public properties and methods

<i>bool</i> Operate	R/W Property. Activates (true) or deactivates (false) shuttle control mode. When the shuttle control mode is activated, the character controller is disabled and the shuttle control interface is activated
<i>bool</i> EngineAct	R/o property. Contains "true" if engines are activated and "false" otherwise
<i>bool</i> OnGround	R/o property. Contains "true" if the shuttle is on the surface (on ground) and "false" otherwise
<i>OnChangeStatus</i> changeStatus	R/W Property. Callback (delegate) that is activated when the shuttle status changes, declared as <i>public delegate void OnChangeStatus(Rigidbody rb, HSKShuttleStatus param, Vector4 control)</i> , where <ul style="list-style-type: none"> • <i>rb</i> – RigidBody of shuttle • <i>param</i> – type of event (<i>enum HSKShuttleStatus</i>): <ul style="list-style-type: none"> ○ <i>stNone</i> – no events ○ <i>stBegin</i> – activate shuttle control interface ○ <i>stEnd</i> – deactivate shuttle control interface ○ <i>stStart</i> – start engine ○ <i>stStop</i> – stop engine ○ <i>stControl</i> – user input received • <i>control</i> – array (Vector4) of user input: <ul style="list-style-type: none"> ○ item 0 / x – Turn Left / Right ○ item 1 / y – Forward / Backward ○ item 2 / z – Upward / Downward ○ item 3 / w – Strafe Left / Strafe Right

B) **DotHskShuttleCollider** class provides operation of shuttle console (activation of the shuttle control mode) and displaying the GUI prompts

<i>DotHskShuttleCollider</i> class	
<i>DotHskShuttleController</i> ShuttleController	Reference to the topmost shuttle container object with an attached DotHskShuttleController
<i>KeyCode</i> Interact	Hotkey to activate the shuttle control mode
<i>Texture2D</i> shuttleControlStartTip , shuttleEngineOnTip , shuttleFlightModeTip	Images for corresponded GUI prompts
<i>bool</i> DisplayGUIMenu	If true, then GUI prompts are displayed, does not apply to the shuttleControlStartTip prompt, which is displayed when the character interacts with the control console

C) **DotHskShuttleSupports** class, provides control of turbines, chassis and cameras, and is also responsible for interacting with the character controller

<i>DotHskShuttleSupports</i> class	
<i>DotHskShuttleController</i> ShuttleController	Reference to Shuttle container object with DotHskShuttleController script attached
<i>GameObject</i> PersonController	Reference to FPC_Player object (first person controller)
<i>KeyCode</i> ToggleChasis (C)	Hotkey for opening / closing the chassis
<i>List<DotHskShuttleTurbine></i> Turbines	List of references to Turbine objects with DotHskShuttleTurbine script attached
<i>List<DotHskMov></i> Chasis	List of references to Chassis container object with DotHskMov script attached
<i>List<DotHskShuttleCamera></i> Cameras	List of references to Camera game object with Camera component attached

D) **DotHskShuttleTurbine** class provides control over the audio-visual effects of the turbine operation – rotation, humming and flame display

<i>DotHskShuttleTurbine class</i>	
<i>Transform</i> Item	Reference to the Transform component of the rotating part of a jet turbine
<i>Renderer</i> NozzleRenderer	Reference to game object with Renderer of turbine Nozzle attached
<i>AudioSource</i> SoundSource	Reference to game object with attached Turbine AudioSource
<i>AudioClip</i> StartSound, MoveSound, StopSound	Audio clips for, respectively, starting, working and stopping noise f the turbine
<i>Light</i> NozzleLight	Reference to Nozzle light source
DotHskTurbinePlace Place DotHskTurbineLocation Location	Place of the turbine on the shuttle fuselage, affects the tilt of the turbine in the process of changing the direction of flight, allowable values: Place – <i>static, left, right</i> Location – <i>middle, front, rear</i> Turbine with Place set to “static” remains stationary. In general, the Place value affects all types of movement, and Location value affects the strafe
bool PlaySounds	If true , turbine noise will be reproduced
float BackwardAngle, ForwardAngle, VerticalAngle, MiddleAngle	Boundary rotations of the turbine in appropriate situations
float Responsivity	Turbine rotation speed

Note. The source file **HSK_DUGOUT_FONT.psd** with sample font for the shuttle displays and source file **HSK_Shuttle_GUI.psd** with on-screen hints with shuttle modes are included in the [Assets > Heavy Station Kit > common > Textures > GU](#) folder.

Ladder

SETTING UP THE LADDER*

1. Attach control script (**FPC_Ladder** class) to **FPC_Player** GameObject.
2. Assign tag **Ladder2** to all GameObjects that have Ladder Colliders attached to.

<i>Refers to prefabs</i>	
HSK Base	Ladder1, Ladder2 Assets > Heavy Station Kit > BASE > Prefabs > Ladders
HSK Hangars	GW_Ladder Assets > Heavy Station Kit > HANGARS > Prefabs > Gateway
HSK Colony	C_Basin_Ladder Assets > Heavy Station Kit > COLONY > Prefabs > Floors C_Vent_4m, C_Vent_9m Assets > Heavy Station Kit > COLONY > Prefabs > Ventilation
HSK Dugout	DAI_EE_Ladder_0, DAI_EE_Ladder_1 Assets > Heavy Station Kit > DUGOUT > Prefabs > Type A Interior DBCP_II_Ladder Assets > Heavy Station Kit > DUGOUT > Prefabs > Type BC Props DSP_II_Ladder Assets > Heavy Station Kit > DUGOUT > Prefabs > Type S Props

Useful public properties of FPC_Ladder class

Texture tipOnLadder, tipOffLadder On-screen hint images (source file **HSK_Gui.psd** included in *Assets > Heavy Station Kit > common > Textures > GUI*)

*Settings mentioned above allow for a link between Ladders and class **FPC**, which are part of **Heavy Station Kit Asset**.

Other animated prefabs

Refers to prefabs

HSK Dugout kit

<i>DAI_II_Stairs_Uni</i>	Swivel gangway	<i>Assets > Heavy Station Kit > DUGOUT > Prefabs > Type A Interior</i>
<i>DAI_II_End_Vent_Door, DAI_II_End_Vents_Dn, DAI_II_End_Vents_Up</i>	Ventilation grill	
<i>DBI_II_End_Vent</i>	Ventilation grill	<i>Assets > Heavy Station Kit > DUGOUT > Prefabs > type B Interior</i>
<i>DCI_II_End_Vent</i>	Ventilation grill	<i>Assets > Heavy Station Kit > DUGOUT > Prefabs > type C Interior</i>
<i>DAP_EE_Radar</i>	Rotating radar	<i>Assets > Heavy Station Kit > DUGOUT > Prefabs > Type A Props</i>
<i>DBCL_II_Hatch_HSK</i>	Sliding hatch	<i>Assets > Heavy Station Kit > DUGOUT > Prefabs > Type BC Interior</i>
<i>DBCP_II_Fan</i>	Industrial fan	<i>Assets > Heavy Station Kit > DUGOUT > Prefabs > Type BC Props</i>
<i>DBCP_II_Switch1, DBCP_II_Switch2</i>	Switches	
<i>DS_Door</i>	Doors with folding ladder	<i>Assets > Heavy Station Kit > DUGOUT > Prefabs > Type S Props</i>
<i>DSP_II_Capsule_1, DSP_II_Door_Left, DSP_II_Door_Right, DSP_II_Storage_x, DSP_II_WC, DSP_II_WC&Shower etc</i>	Animated furniture and plumbing fixtures	
<i>DBPS_EE_Chass_0..2</i>	Shuttle Chassis	<i>Assets > Heavy Station Kit > DUGOUT > Blueprints > Shuttle Systems</i>

HSK Colony kit

<i>C_Vent_Grid</i>	Ventilation grill	<i>Assets > Heavy Station Kit > COLONY > Prefabs > Ventilation</i>
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The prefabs listed above are controlled by the universal **DotHskMov** script

Public properties of DotHskShuttleSupports class

<i>dotHskDoorMode mode</i>	Operating mode (see list of operating modes in "Doors & Gate2" section)
<i>int repeatMotion</i>	If 0 – movements are automatically repeated in an endless loop, if 1 or more – the movements are initiated by script and repeated the specified number of times
<i>bool reverseOddCycles</i>	If true – movement performed in the opposite direction in every odd cycle
<i>float delay</i>	Pause between movement cycles, sec
<i>float motionTime</i>	Duration of one cycle of movement (excluding the pause)
<i>List<dotHskMovFlap> movFlaps</i>	List of animated object elements
<i>float almostOpenPosition</i>	Flaps position in "Broken open" state (0 – fully closed, 1 – fully open)
<i>float almostClosedPosition</i>	Flaps position in "Broken closed" state (0 – fully closed, 1 – fully open)

A helper class that implements the functionality of a separate moving element

Public properties of dotHskMovFlap class

<i>Transform flap</i>	Refer to Transform component of Flap object
<i>Vector3 openPosition, openRotation</i>	Position and rotation of Flap in "Open" state

<i>Vector3</i> closedPosition, closedRotation	Position and rotation of Flap in "Close" state
<i>Int</i> turnStep	Angle of rotation for one phase of rotation. If the specified angle is less than 10 degrees, the number of rotation phases is calculated automatically. Phase breakdown of the rotation cycle is performed to ensure smooth rotation.

First Person Character Controller

Refers to prefabs

ALL Kits	FPC <i>Assets > Heavy Station Kit > common > Prefabs</i>
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FPC class is a simple First Person Character Controller class. **FPC** class is independent from deprecated Unity Standard Assets and provides support for all the original functionality implemented in the **Heavy Station Kit** assets.

Useful public properties of FPC class

"Speed" section

<i>float</i> walkingSpeed	Regular rate of horizontal movement
<i>float</i> runningSpeed	Increased rate of horizontal movement (hold "Shift" by default); has impact on crouch movements
<i>float</i> climbingSpeed	Ladder movement rate
<i>float</i> jumpSpeed	Jumping rate of movement; has impact on crouch movements

"Look" section

<i>float</i> lookSpeed	Rate of Camera rotation
<i>float</i> lookXLimit	Scope of Camera rotation

"Features" section

<i>float</i> crouchSpeedRatio	relation of crouching speed to regular
<i>float</i> crouchHeightRatio	relation of crouched Character Controller height to regular

"Climbing" section

<i>bool</i> climbingAutoStart	If True, allows to climb once in Ladder Collider area; else interaction starts by a key ("E" by default)
--------------------------------------	--

Other Settings

<i>bool</i> canMove	If False (default True), Player can only sit, look and to be subjected under the effects of gravity.
<i>float</i> gravity	Gravitational Force
<i>Camera</i> playerCamera	Player Camera

Dot Control Center

Refers to prefabs

ALL Kits	DotControlCenter <i>Assets > Heavy Station Kit > common > Prefabs</i>
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The *DotControlCenter* prefab is made to be a convenient center for centralized control of the general settings of other prefabs from **Heavy Station Kit** set either in an active scene or in the entire application.

Place *DotControlCenter* prefabs in every scene, if it is necessary to control settings of the prefabs individually. On the other hand, to control settings in the entire application place *DotControlCenter* prefab in the starting scene of the project and tick checkbox "Use in Other Scenes".

List of parameters available for setup:

Shortcuts

InteractShortcut*	"One-buttoned" interaction (default - "E" key)
CrouchShortcut	Toogling character mode to Crouch/Walk (default - "C" key), applied for <i>FPC</i> prefab
FlashlightShortcut	Turning flashlight either ON or OFF (default - "L" key), applied for <i>FPC</i> prefab

Shortcut modifiers

Basement Floors ModifierKey 1, Basement Floors ModifierKey 2

Modifier buttons to input negative floor number on floor selection console of the Elevator, and is used in conjunction with keys "1".."9" to form an appropriate negative variant "-1".."9" (default -"Left shift" and "Right shift" keys), applied for C_EL_Platform

Settings

Use In Other Scenes

If the check mark is set, the **DotControlCenter** object will not be destroyed when a new scene is loaded

Track Changes Settings

If the check mark is set, the settings changes will be tracked and applied in each update application cycle

*) With the modification of *InteractShortcut* it would be obvious to update corresponding on-screen hints. Graphical source file **HSK_Gui.psd** included in *Assets > Heavy Station Kit > common > Textures > GUI*

Displays

Refers to prefabs

ALL Kits

Assets > Heavy Station Kit > BASE / HANGARS / COLONY / DUGOUT > Prefabs > Displays

Displays use **DotAnimatedTexture** Script, designed for cycled playback of single or multiple frame sequences assigned to the material.

Prepare material

Recommendations for material creating and setup:

1. Frame sequences must be inside textures. And then you put the textures in the **Main Maps** section of the Material.
2. The size of the texture should provide optimal space for all of the frame sequences.
3. Positioning of frame sequences on the texture map is done in the following order - from left to right and from top to bottom. So at first, the row is being made, then other rows add, filling texture map to the bottom.
4. Setup for parameter **Tiling** for **Main Maps**:

$X = 1.0f / \{columns_count\}$, where {columns_count} is a number of frames that are placed horizontally;

$Y = 1.0f / \{rows_count\}$, where {rows_count} is a number of frames that are placed vertically.

SETTING UP THE SCRIPT

1. After the material was assembled, assign it to the desired object.
2. To the same object, script **DotAnimatedTexture** is being attached. Script's parameter **Material Total Frames** is set automatically for a maximum number of frames that can be in the material. The chosen number of frames depends on the values of the **Tiling** parameter for **Main Maps**.
3. General script configuring:
 - Active Sequence** – the number of current sequence for playback (zero-based);
 - Size in Sequences** tab – total number of frame sequences in the animated material;
 - FPS** – number of frames per second on playback;
 - Show warnings** – allows for displaying errors in Console if configuring the script in EditMode (Disabled by default)
4. Individual setup of single or multiple frame sequences, on tab "Element N" of the "Sequences" tab.
 - Total Frames** – total number of frames of this particular frame sequence;
 - First Frame** – first frame number, of this particular frame sequence element, in relation to the first frame number on the Material (zero-based);
 - Starting Frame** – sequence playback starts with this frame (zero-based);
 - Randomly** – if checked, frames to playback will be chosen on random.

Notes

1. At script setup in EditMode, animated material shows the starting frame (parameter **Starting Frame**) of selected sequence (parameter **Active Sequence**). This allows for a visual preview of animated material. Frame sequence cannot be run in EditMode, for this select GameMode.
2. For switching between frame sequences inside of Script in GameMode it is necessary to assign sequence number (zero-based) to public property **activeSequence** of an appropriate DotAnimatedTexture script component.
3. Please keep in mind that, if making a Prefab from an Object with the already attached script, then assigned material will drop out of Prefab. Restoring material is possible within the Inspector, selecting Prefab in Project window and assigning material manually. Then, for preview picture of Prefab to display correctly, it is advised performing Reimport.

Recommended

General settings for 3rd party FPC

to work with Heavy Station Kit

(For Opsive UFPS 2.0 and Easy FPS see the Specific solutions below)

1. Character collider should not exceed **1.8m** in height and **0.7m** in diameter.
2. For **most scripts** to respond (interaction with the elements of Heavy Station Kit Asset like Doors, Consoles, etc), tag **Player** must be set either in Character Controller collider or in any of its parent Game Objects.
3. **Elevator display console C2_EL_Cons2** (included in Heavy Station Kit colony asset) requires tag **MainCamera** set in player camera.
4. To use **Ventilation** 3rd party FPC must support **crawling** or **crouching**. Additional requirements are height of player collider **<0.8m**, height of player camera **<0.65**. Size of vent unit is **1m x 1m**.
5. To use **Ladders** (including ventilation ladders) 3rd party FPC must support that.
6. To avoid falling through in narrow space parameter **Clipping plane: Near** must be set at lowest point **0.01m**.

Recommended

Specific solutions

for Heavy Station Kit to work with Opsive UFPS 2.0 and Easy FPS

Opsive UFPS 2.0

<https://assetstore.unity.com/packages/templates/systems/ufps-ultimate-fps-106748>

Issue: All UI elements of UFPS got added to console display C2_EL_Cons2 instead of main screen, after adding UFPS UI to scene which has console display.

Solution: It happens because C2_EL_Cons2 has CANVAS and UFPS2 script applies UI to first CANVAS it can find. Simply **temporarily disable** all Elevators which has C2_EL_Cons2 *mounted on E_EL_Platform2* **before** adding UI (*Tools* → *Opsive* → *Ultimate Character Controller* → *Main Manager* → *Setup* → *UI Setup* → *Add UI*). Don't forget to **enable all Elevators back** when UI was added.

TIP: Out of the box UFPS doesn't support **Crawling** (*Ventilation*) and **Climbing** (*Ladder*). Yet you can use their documentation to implement that features yourself at:

<https://opsive.com/support/documentation/ultimate-character-controller/character/abilities/new-ability/>

Easy FPS

<https://assetstore.unity.com/packages/3d/characters/humanoids/easy-fps-73776>

Issue: While operating touchscreen elevator console "C2_EL_Cons2" Player may have an item in their hands. Usually, the use of console behaves through pressing the same button, which is binded for use of an item in the hands of the Player - the possible solution to add a script and to attach methods:

Solution Step 1

Attaching **script**. Simply add script listed below to any GameObject within scene, *(or include the code to existing script)*:

```
using UnityEngine;
class ElevatorDisplayToggle : MonoBehaviour {
    public GameObject playerObject = null;
    private GunInventory playerScript = null;
    private bool currentGunState = true;
    public void Start() {
        if (playerObject != null) { playerScript = playerObject.GetComponent<GunInventory>(); }
    }
    public void OnDisplayActivated() {
        // Some code that is executed when the character approaches the display console
        if (playerScript != null && (playerScript.currentGun != null) ) {
            currentGunState = playerScript.currentGun.activeSelf;
            playerScript.currentGun.SetActive(false);
        }
    }
    public void OnDisplayDeactivated() {
        // Some code used when moving a character away from the display console
        if (playerScript != null && (playerScript.currentGun != null) ) {
            playerScript.currentGun.SetActive(currentGunState);
        }
    }
}
```

Solution Step 2

Attach **methods** OnDisplayActivated() / OnDisplayDeactivated() to graphic display console collider (ELEVATOR game object → C_EL_Platform2 game object → C_EL_Collider game object → DotHskElevator2ConControlCol Script component → On Display Activated () / On Display Deactivated properties)

Installation Guidelines

Step 1. Create clean 3D Project / Color Space – Linear (*Recommended*).

Step 2. Install Unity Post Processing Package (*Window – Package Manager – Post Processing – Install*).

Step 3. Download and install Heavy Station Kit Asset.

Current version of this documentation can be downloaded from
https://dotteam.xyz/pdf/Heavy_Station_Kit_2024.pdf



info@dotteam.xyz
<https://dotteam.xyz>