

ΠΟΛΥΤΕΧΝΕΙΟ ΚΡΗΤΗΣ - ΣΧΟΛΗ ΑΡΧΙΤΕΚΤΟΝΩΝ ΜΗΧΑΝΙΚΩΝ
ΑΚΑΔΗΜΑΪΚΟ ΕΤΟΣ 2012-2013
ΦΟΙΤΗΤΕΣ: HODAJ KLODIAN ΚΑΝΤΑΡΖΗΣ ΜΙΧΑΗΛ
ΕΠΙΒΛΕΠΩΝ ΔΙΔΑΣΚΩΝ: ΚΩΝΣΤΑΝΤΙΝΟΣ - ΑΛΚΕΤΑΣ ΟΥΓΓΡΙΝΗΣ
ΤΙΤΛΟΣ ΔΙΠΛΩΜΑΤΙΚΗΣ ΕΡΓΑΣΙΑΣ: ΜΕΤΑΒΑΛΛΟΜΕΝΟΙ ΧΩΡΟΙ
ΠΡΟΣΩΡΙΝΗΣ ΦΙΛΟΞΕΝΙΑΣ ΣΕ ΑΕΡΟΔΡΟΜΙΑ

ΠΕΡΙΛΗΨΗ ΔΙΠΛΩΜΑΤΙΚΗΣ ΕΡΓΑΣΙΑΣ

Φοιτητές: Hodaj Klodian , Κανταρζής Μιχαήλ

Η συγκεκριμένη διπλωματική εργασία αφορά στη δημιουργία χώρων προσωρινής φιλοξενίας οι οποίοι προσαρμόζονται μέσα σε τερματικούς σταθμούς αεροδρομίων. Στόχο της μελέτης αποτελεί η ανάπτυξη ενός συστημικού συνθετικού μοντέλου, το οποίο έχει δύο βασικά χαρακτηριστικά:

- Την προσαρμογή του συστήματος στις χωρικές και λειτουργικές παραμέτρους του εκάστοτε αεροδρομίου στο οποίο εντάσσεται.

- Την εξυπηρέτηση διαφορετικών κατηγοριών – ομάδων ανθρώπων ανάλογα με τις άμεσες χωρικές απαιτήσεις που προκύπτουν.

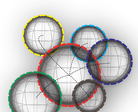
Τα συνθετικά ζητήματα που καλούνται να αντιμετωπισθούν σχετίζονται με την μοντουλοποίηση της κατασκευής και την μεταβλητότητα στοιχείων και μελών ώστε να προκύπτουν διαφορετικοί χωρικοί μετασχηματισμοί, πάντα μέσα στο εύρος που επιτρέπει το συστημικό μοντέλο.

NEO_NOMADS

- NEO_NOMADS
  - ARE COLLECTORS AND CONSUMERS OF
    - PEOPLE
    - INFORMATION
    - GOODS
    - SPACES
    - RESOURCES
  - OPT FOR
    - CONVENIENCE
    - SPEED
    - FLUID PROCESSES
  - TRAVEL ANYWHERE FOR
    - WORK
    - LIVING
    - LEISURE
  - HAVE A TERRITORY THAT IS SHIFTING AS THEY MOVE
  - USE SPACES 'ON DEMAND'
    - THE PREDETERMINED FUNCTION OF SPACES WORKS SUPPLEMENTARY WITH THE NEW ONE
  - RE-LOCATION >>>>> RE-ORGANIZATION OF SPACE IN ORDER FOR A 'COCOON SPACE' TO EMERGE



COCOON SPACE AS AN ISOLATION SPACE

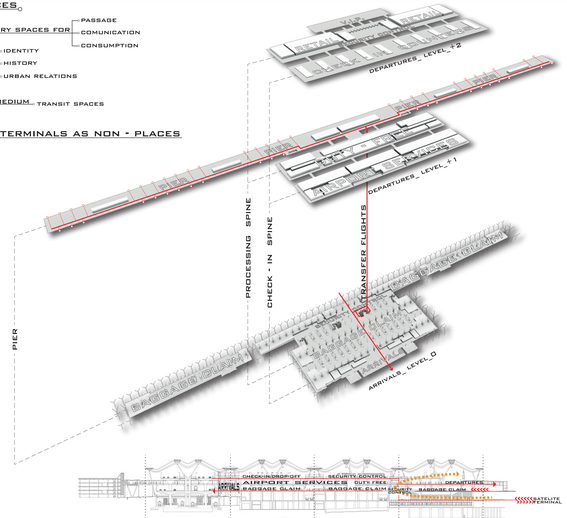


COCOON SPACE AS A SPACE OF REDEFINED RELATIONS

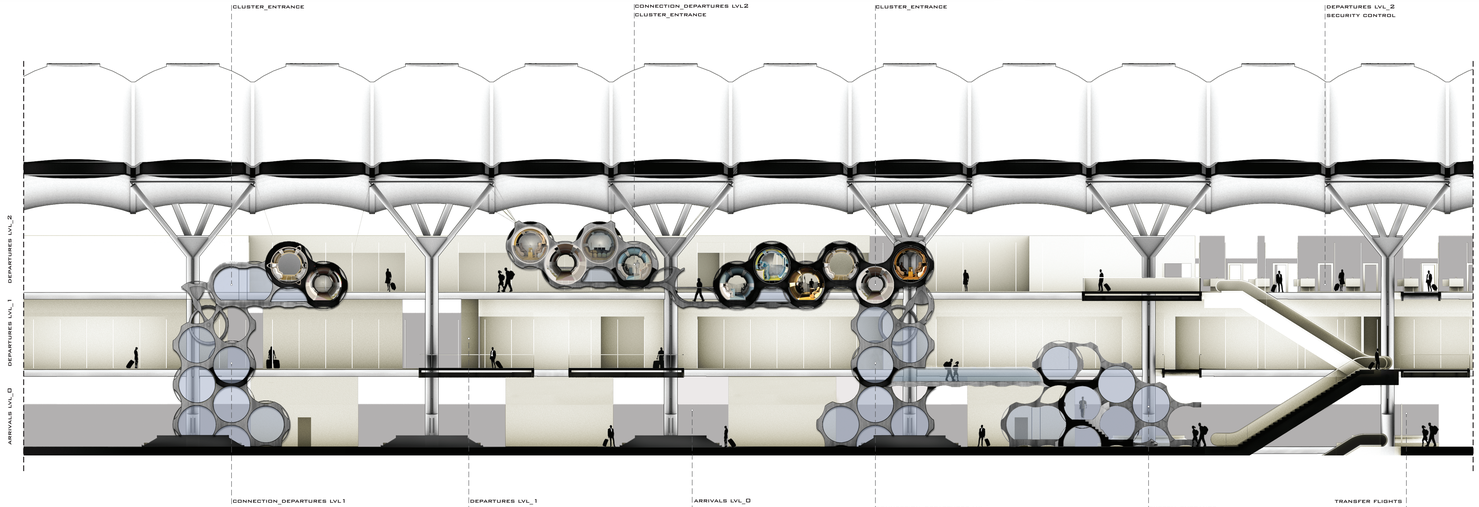
TERMINAL_DIAGRAM

- NON_PLACES
  - ARE TEMPORARY SPACES FOR
    - PASSAGE
    - COMUNICATION
    - CONSUMPTION
  - HAVE NO
    - IDENTITY
    - HISTORY
    - URBAN RELATIONS
  - AS A SPACE MEDIUM — TRANSIT SPACES

AIRPORT TERMINALS AS NON - PLACES



SYSTEMIC_APPROACH





- COCOON SPACE
  - AS AN ELEMENT WITHIN AN ADAPTABLE CLUSTER OF POTENTIALLY DEVELOPING RELATIONS
  - AS A PERSONAL SPACE THAT VARIES RELATIVELY TO
    - THE DESIRED FUNCTION
    - THE SPATIAL EXPANSION
    - ITS SYSTEMIC POSITION

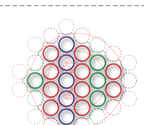


COCOON SPACES ADJUST TO EACH TERMINAL'S

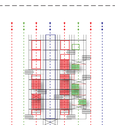
- OPERATIONAL ZONES
- SPATIAL PARAMETERS — BY MERGING INTO OR BY DISASSOCIATING ITS FUNCTION FROM THE EXISTING OPERATIONAL ZONES — THROUGH THE CREATION OF CLUSTERS AND VOIDS

COCOON SPACES AS ADAPTABLE CLUSTER FORMATIONS

WHICH, BASED ON THE DESIGN PRINCIPLES, MAINTAIN THE POSSIBILITY OF DEVELOPING RELATIONS BETWEEN THE EMERGING COCOON SPACES



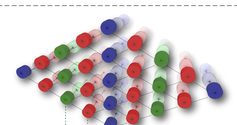
SECTION



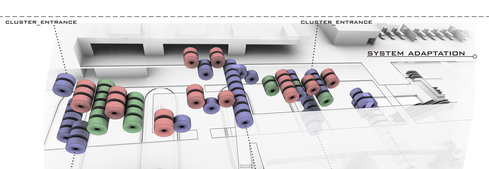
PLAN

SYSTEMATIZATION OF THE DEVELOPING RELATIONS

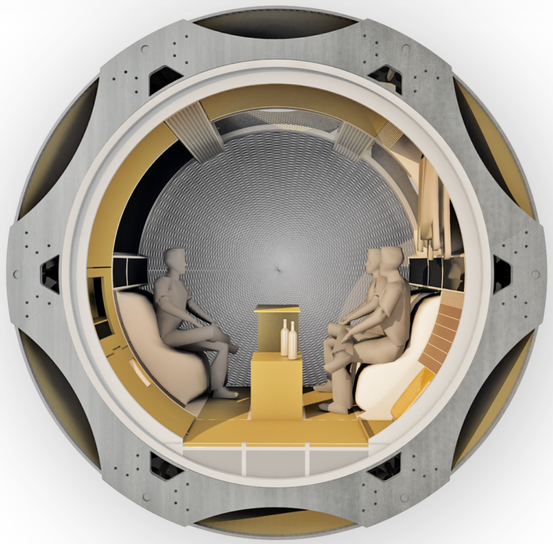
DESIGN OF EACH SYSTEMIC UNIT IN ACCORDANCE WITH THE SURROUNDING UNITS

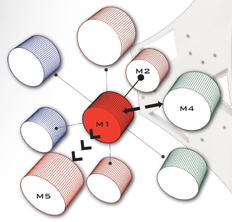


SYSTEMIC DIAGRAM



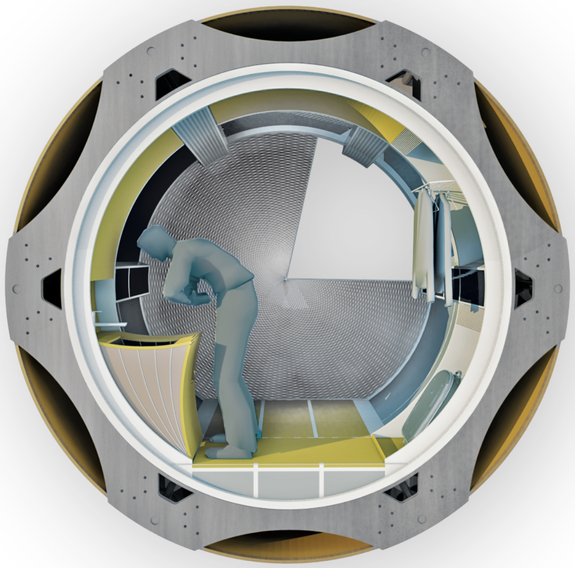
UNIT [M_1]

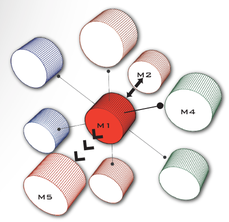




CASE_1_SOCIALIZING

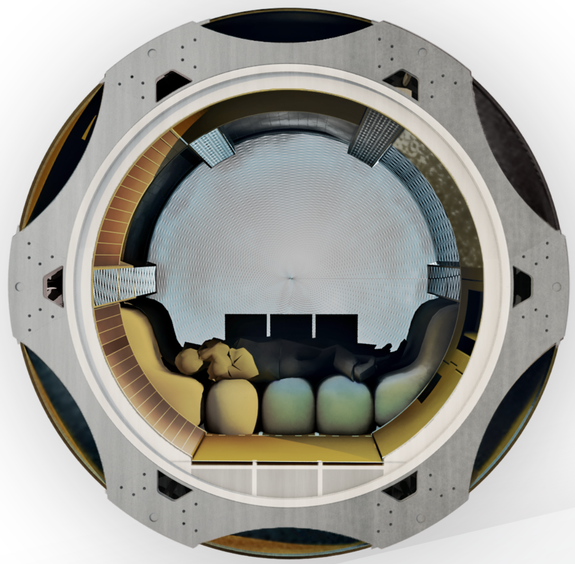
[M1] SPATIAL CONNECTION [M5]
[M1] BLOCKED CONNECTION [M2]
[M1] VISUAL CONNECTION [M4]

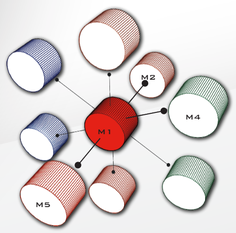




CASE_2_HYGIENE

[M1] SPATIAL CONNECTION [M5]
[M1] VISUAL CONNECTION [M2]
[M1] BLOCKED CONNECTION [M4]

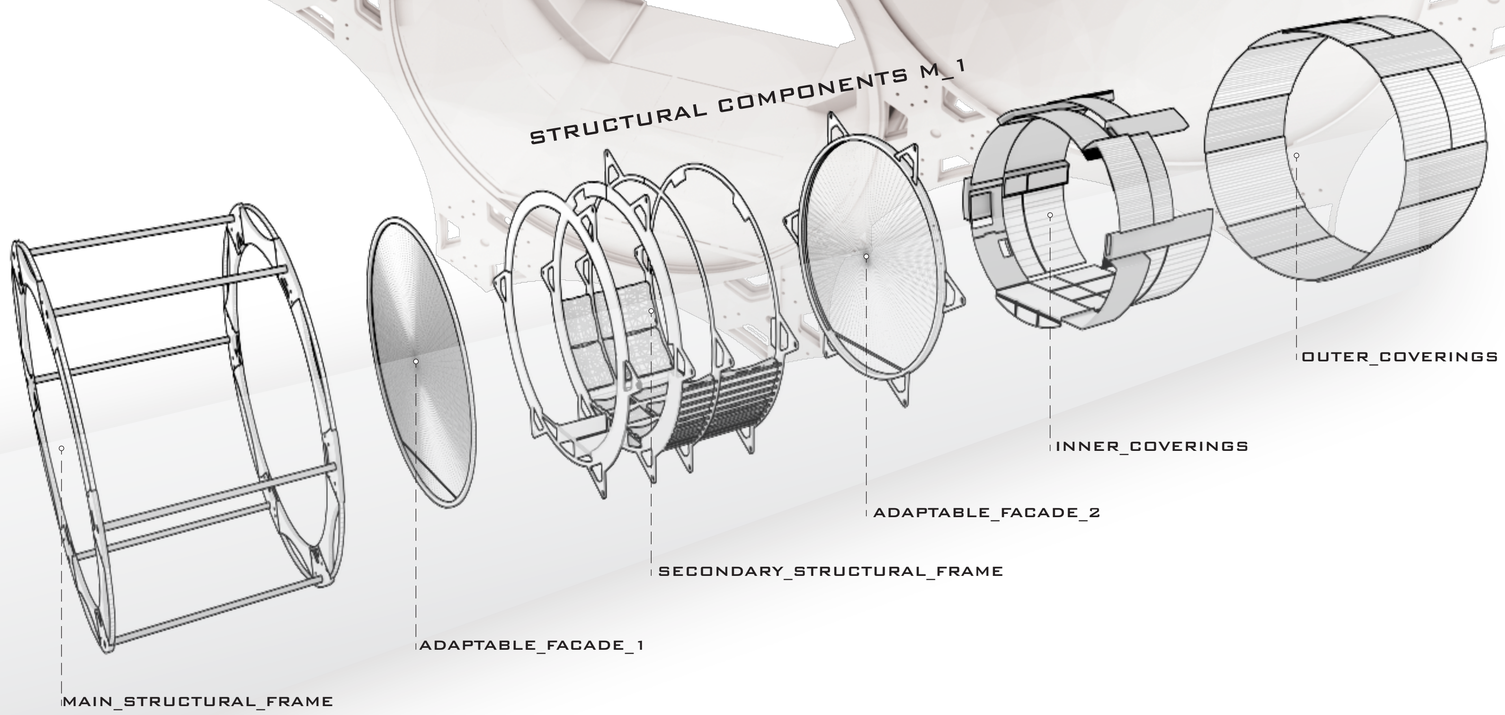


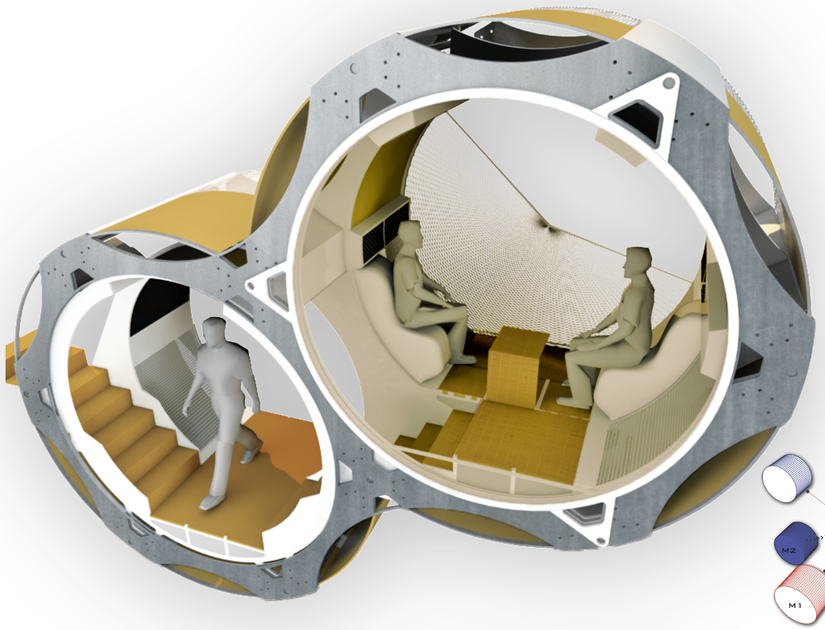


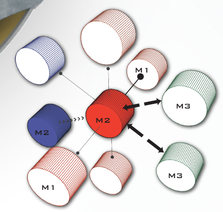
CASE_3_RESTING

[M1] BLOCKED CONNECTION [M5]
[M1] BLOCKED CONNECTION [M2]
[M1] BLOCKED CONNECTION [M4]

STRUCTURAL COMPONENTS M_1



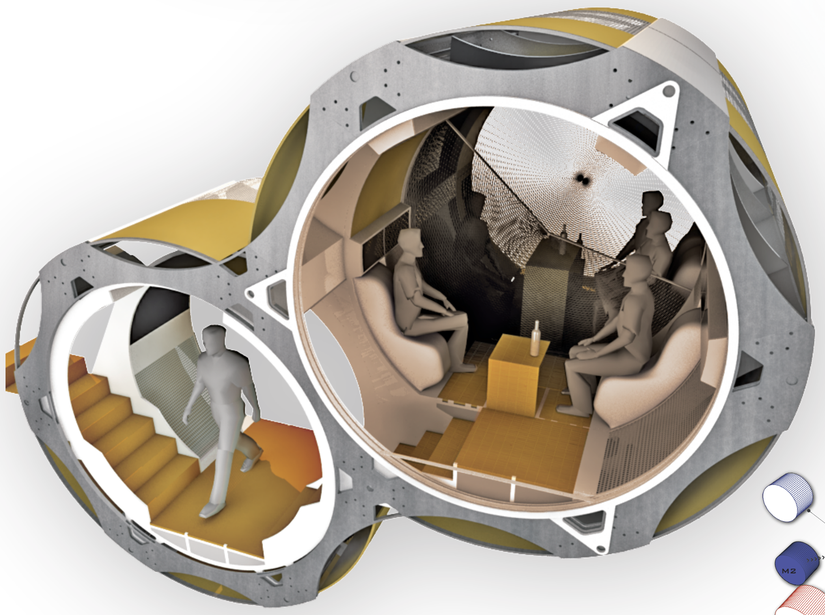


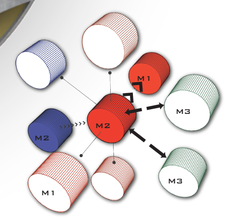


CASE_1_SOCIALIZING - SINGLE

[M2] BLOCKED CONNECTION [M1]

[M2] VISUAL CONNECTION [M3]

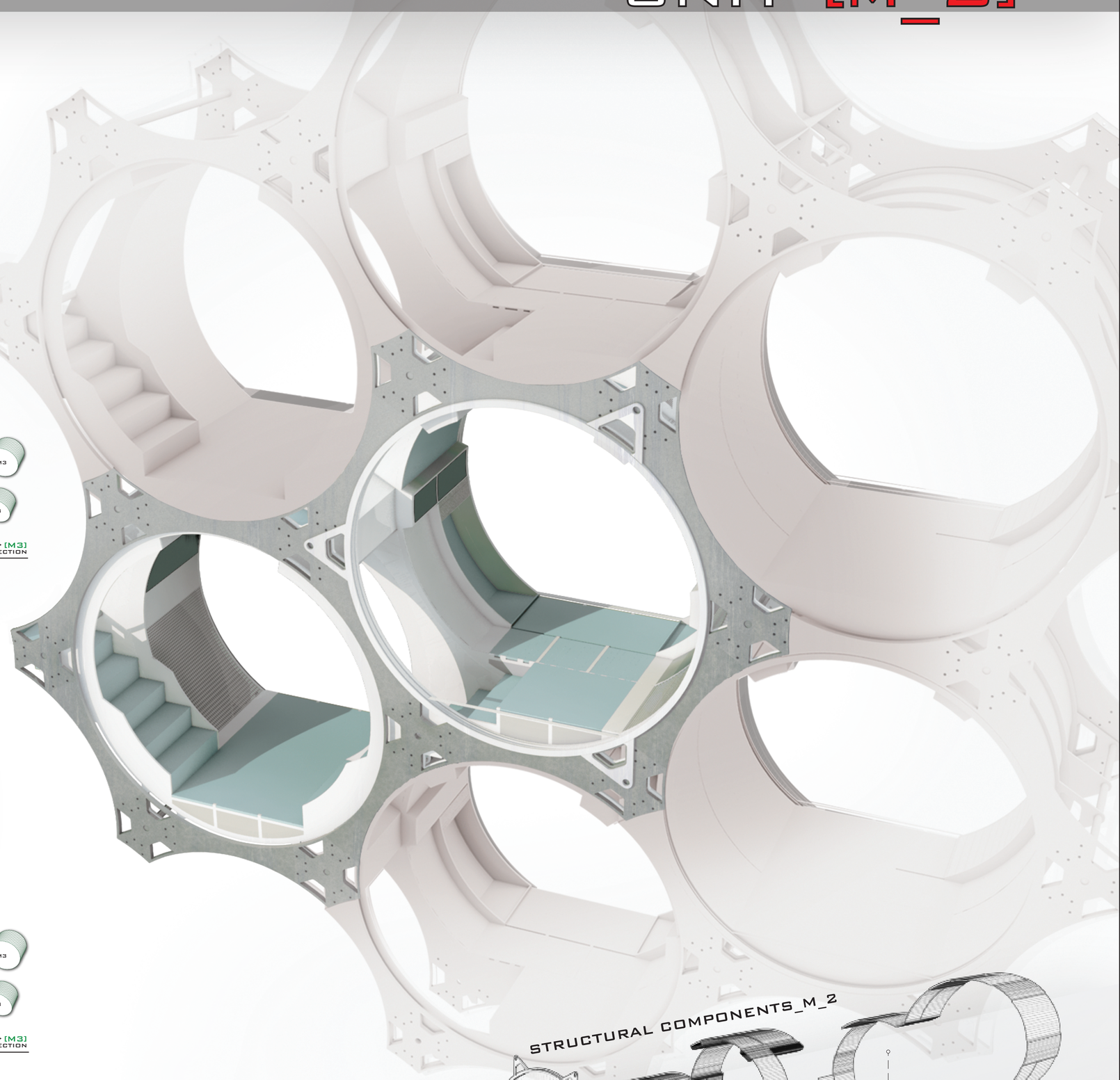


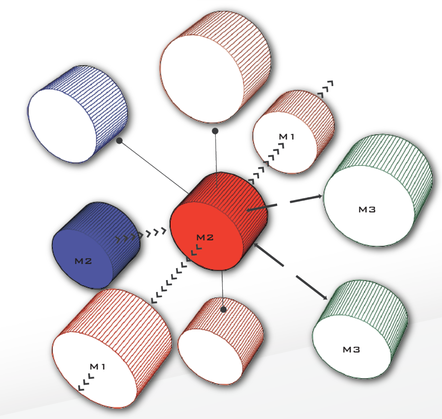


CASE_2_SOCIALIZING - UNION

[M2] SPATIAL [M1] CONNECTION

[M2] VISUAL CONNECTION [M3]





CONNECTION TYPES

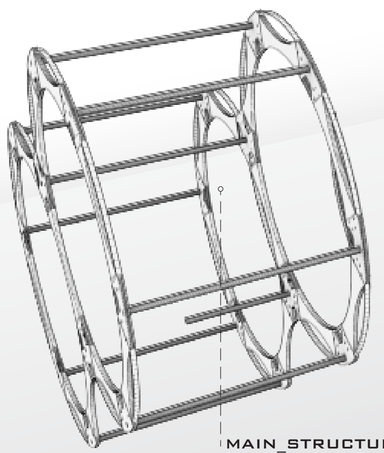
SPATIAL

VISUAL

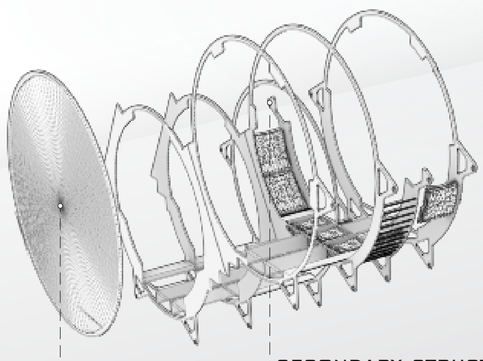
BLOCKED

[M2] SPATIAL CONNECTION [M1]

[M2] VISUAL CONNECTION [M3]



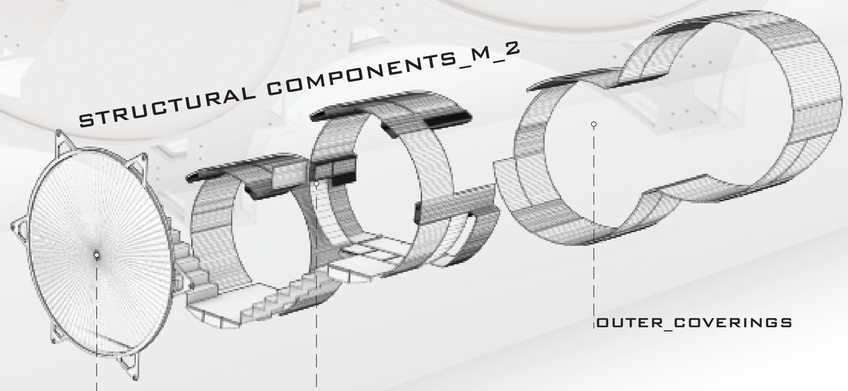
MAIN_STRUCTURAL_FRAME



ADAPTABLE_FACADE_1

SECONDARY_STRUCTURAL_FRAME

STRUCTURAL COMPONENTS_M_2

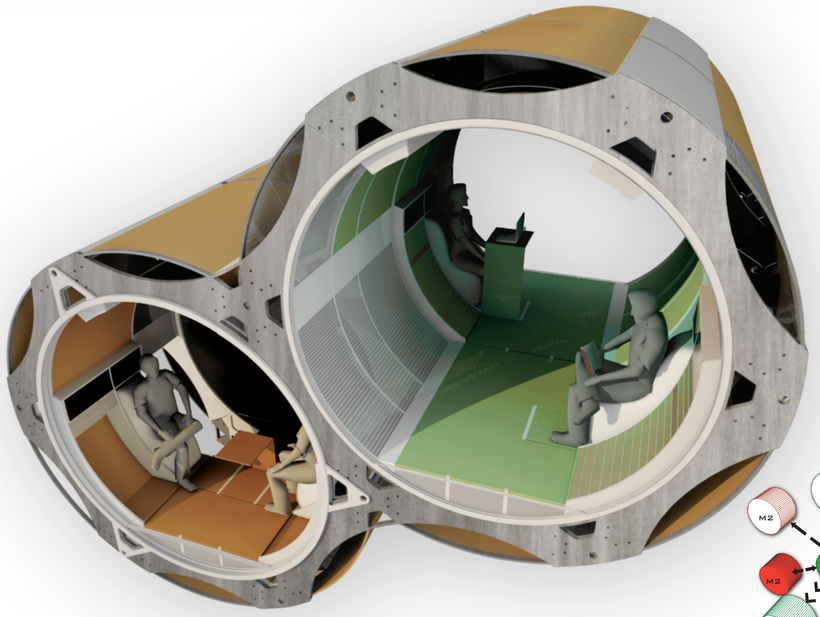


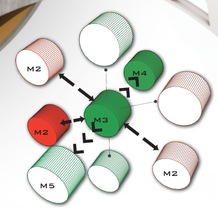
ADAPTABLE_FACADE_2

INNER_COVERINGS

OUTER_COVERINGS

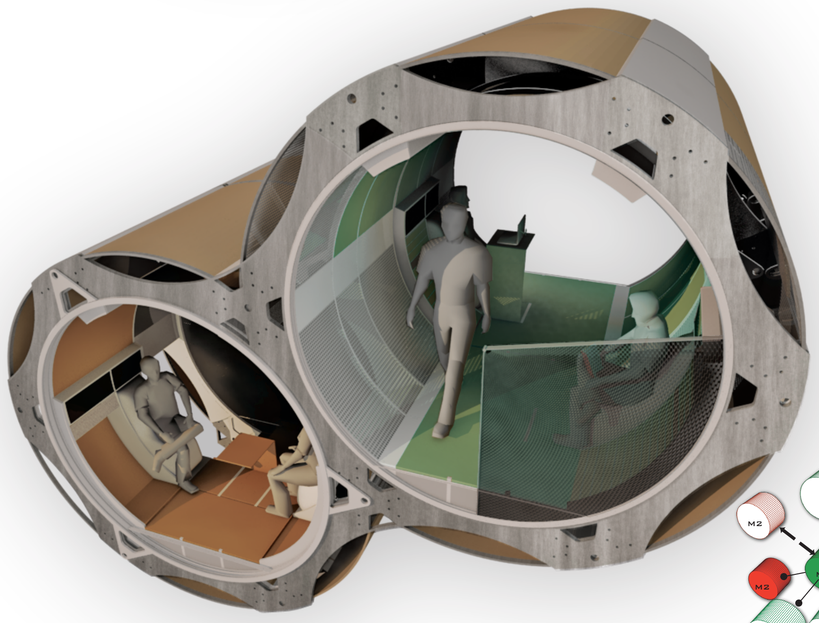
UNIT [M_3]

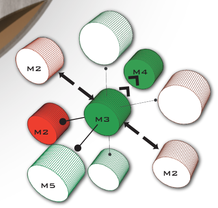




CASE_1_PUBLIC

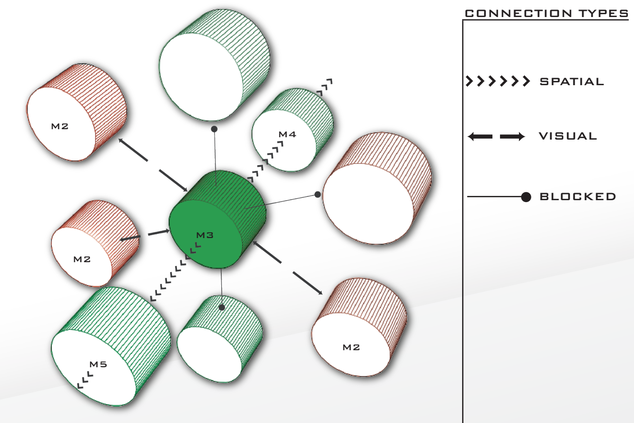
[M3] SPATIAL CONNECTION [M4] | [M3] SPATIAL CONNECTION [M5] | [M3] VISUAL CONNECTION [M2]





CASE_2_PRIVATE

[M3] SPATIAL CONNECTION [M4] | [M3] BLOCKED CONNECTION [M5] | [M3] BLOCKED CONNECTION [M2]



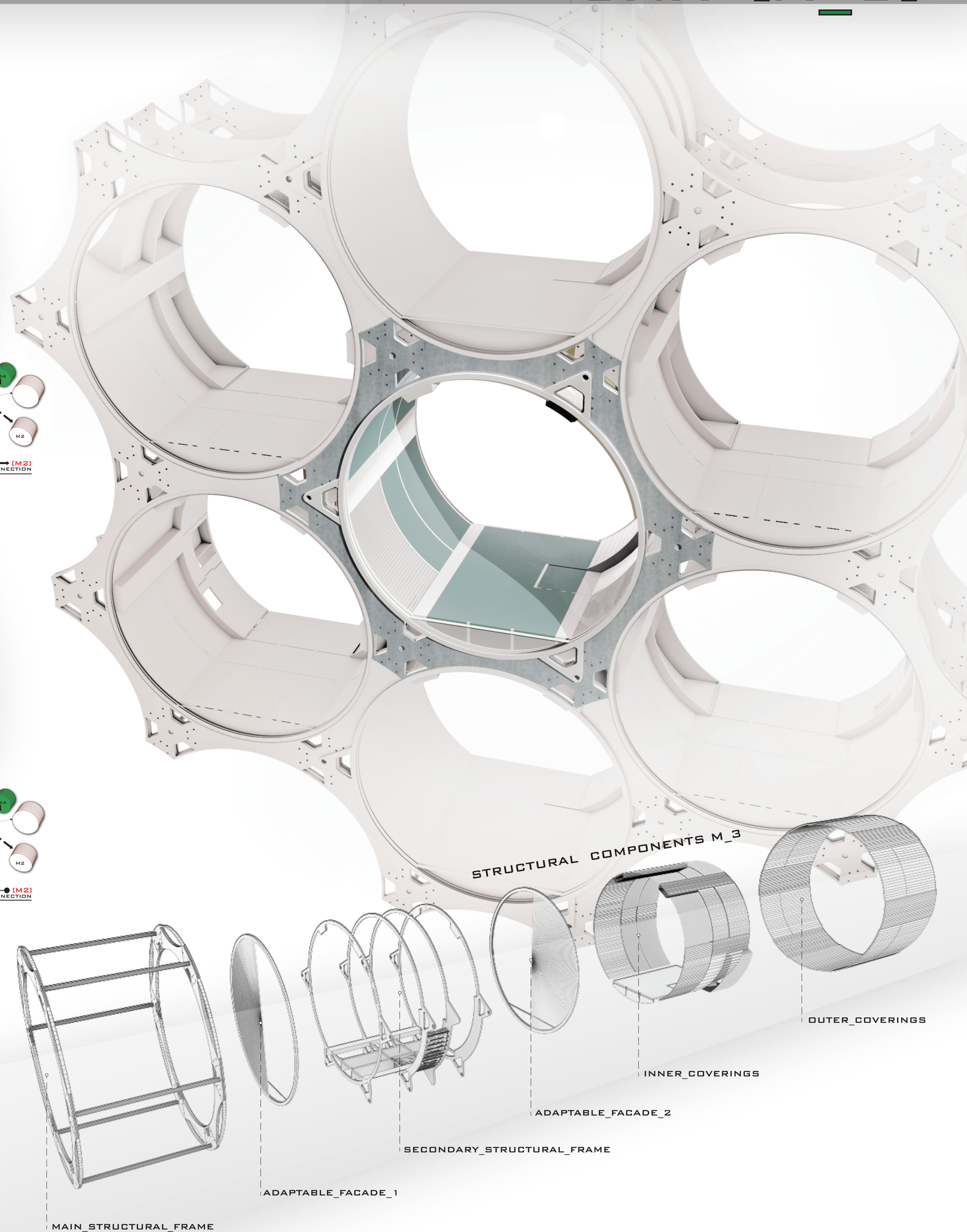
CONNECTION TYPES

SPATIAL

VISUAL

BLOCKED

[M3] SPATIAL CONNECTION [M4] [M5] | [M3] VISUAL CONNECTION [M2]



STRUCTURAL COMPONENTS M_3

OUTER_COVERINGS

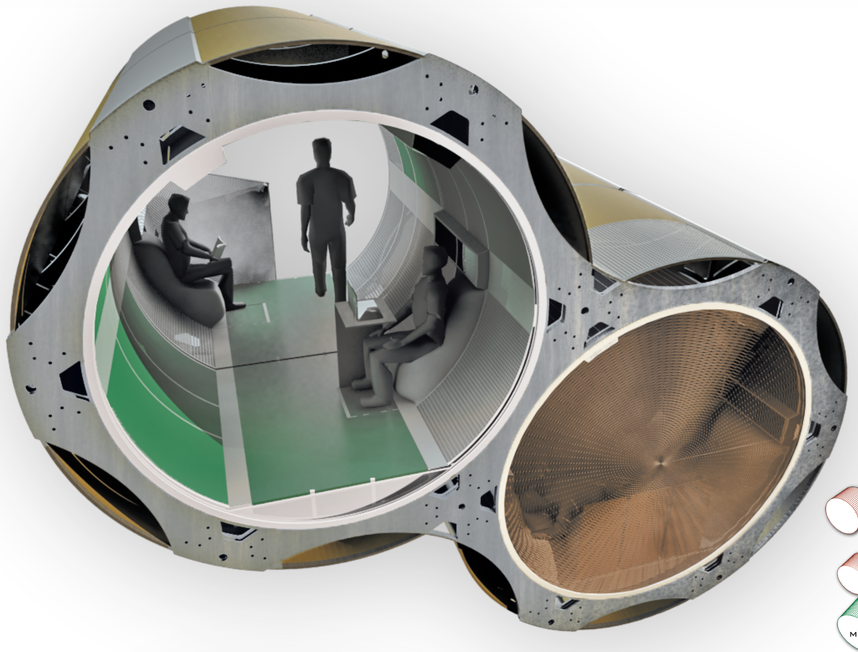
INNER_COVERINGS

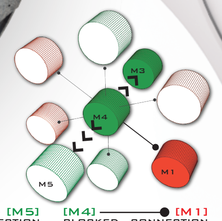
ADAPTABLE_FACADE_2

SECONDARY_STRUCTURAL_FRAME

ADAPTABLE_FACADE_1

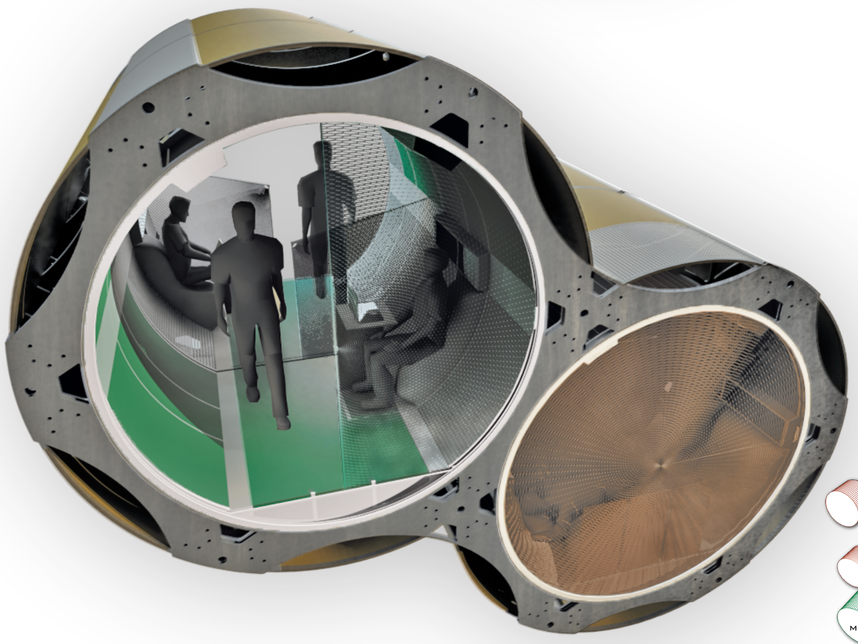
MAIN_STRUCTURAL_FRAME

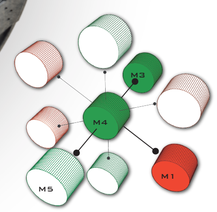




CASE_1_PUBLIC

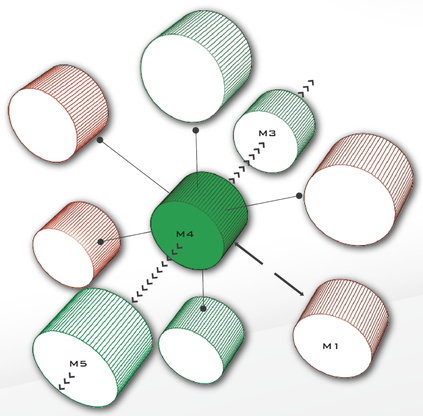
[M4] SPATIAL CONNECTION [M3]
[M4] SPATIAL CONNECTION [M5]
[M4] BLOCKED CONNECTION [M1]





CASE_2_PRIVATE

[M4] BLOCKED CONNECTION [M3]
[M4] BLOCKED CONNECTION [M5]
[M4] BLOCKED CONNECTION [M1]



CONNECTION TYPES

SPATIAL

VISUAL

BLOCKED

[M4] SPATIAL CONNECTION [M3][M5]

[M4] VISUAL CONNECTION [M1]

STRUCTURAL COMPONENTS M_4



MAIN_STRUCTURAL_FRAME

ADAPTABLE_FACADE_1

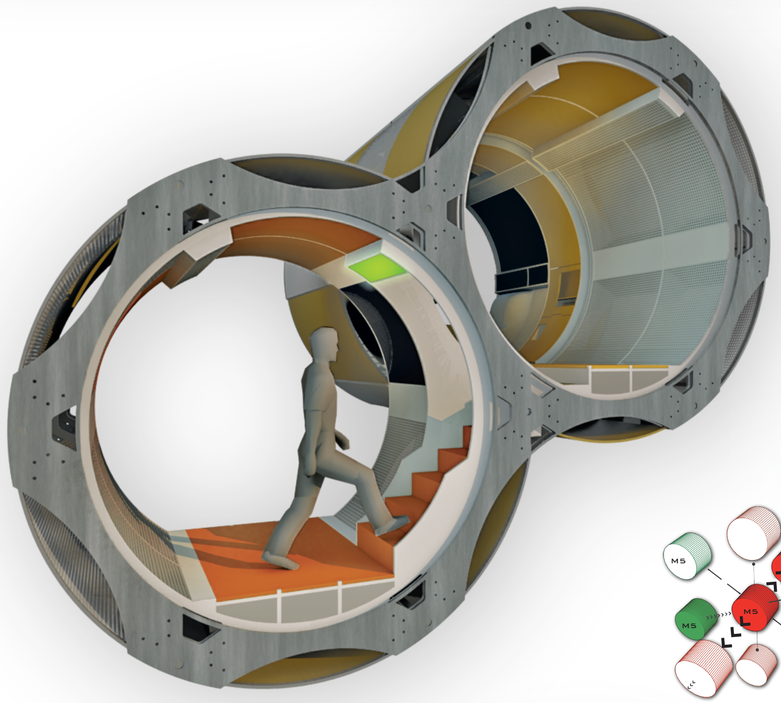
SECONDARY_STRUCTURAL_FRAME

ADAPTABLE_FACADE_2

INNER_COVERINGS

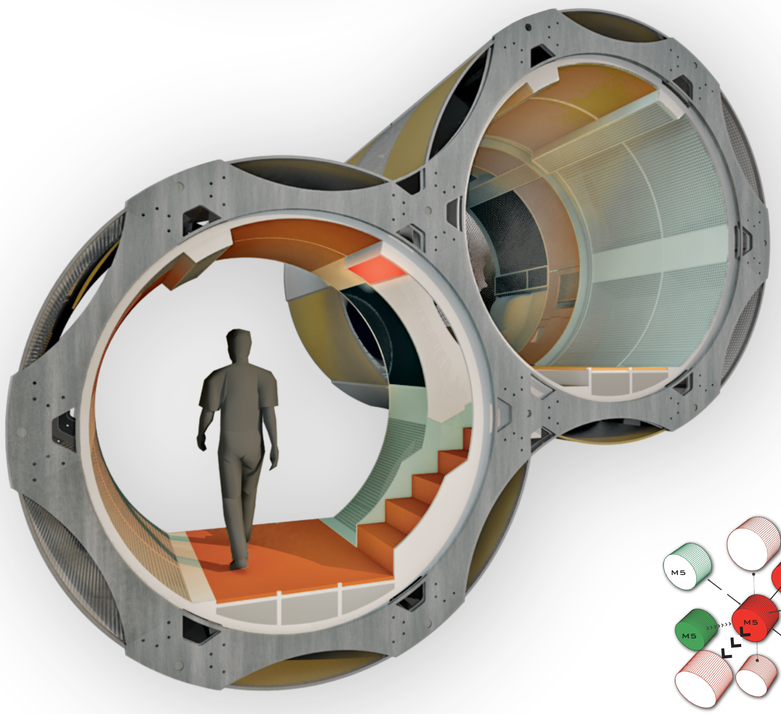
OUTER_COVERINGS

UNIT [M_5]



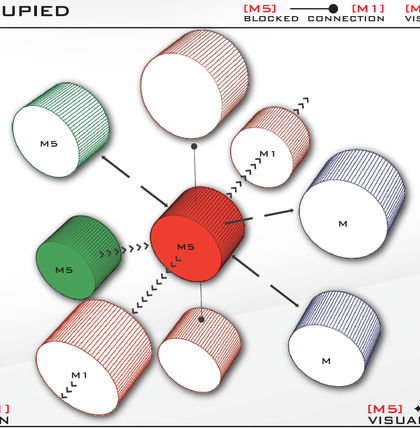
CASE_1_FREE

[M5] SPATIAL CONNECTION [M1]
[M5] VISUAL CONNECTION [M5]
[M5] VISUAL CONNECTION [M]



CASE_2_OCCUPIED

[M5] BLOCKED CONNECTION [M1]
[M5] VISUAL CONNECTION [M5]
[M5] VISUAL CONNECTION [M]



CONNECTION TYPES

SPATIAL

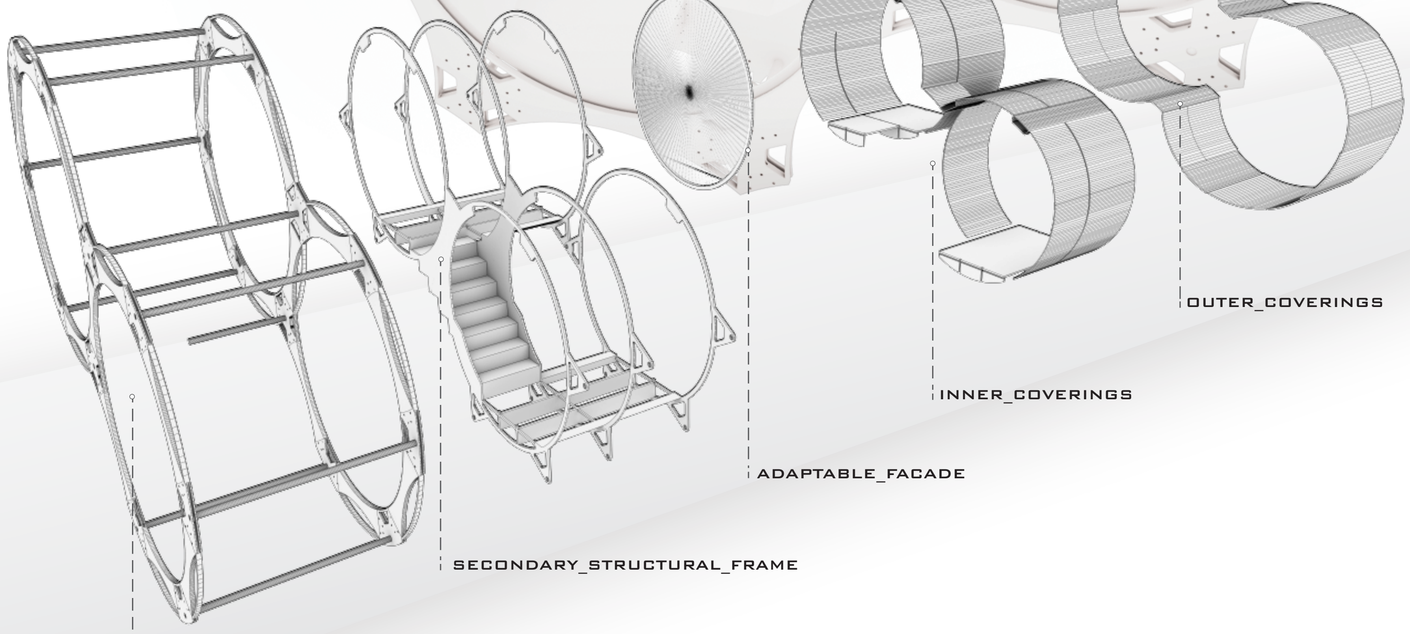
VISUAL

BLOCKED

[M5] SPATIAL CONNECTION [M1]

[M5] VISUAL CONNECTION [M5] [M]

STRUCTURAL COMPONENTS M_5



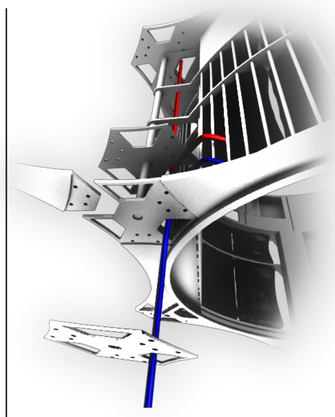
OUTER_COVERINGS

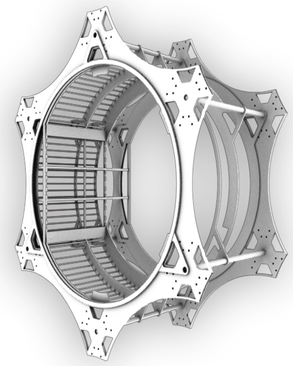
INNER_COVERINGS

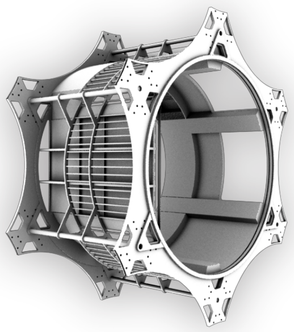
ADAPTABLE_FACADE

SECONDARY_STRUCTURAL_FRAME

MAIN_STRUCTURAL_FRAME







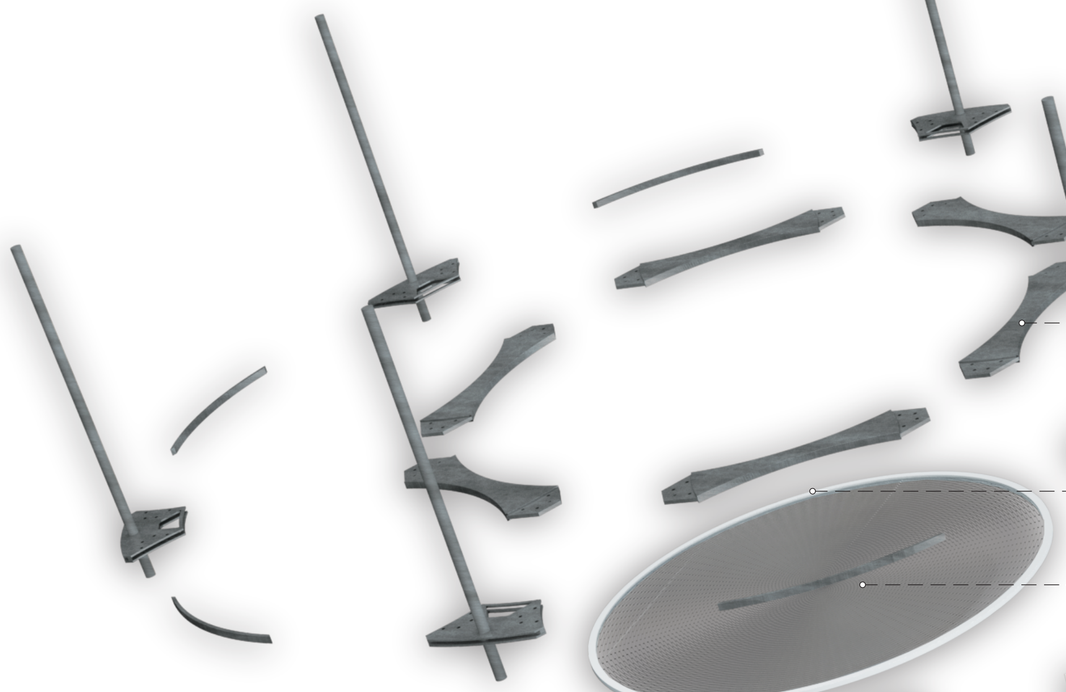
BEAMS

KNOTS

STRUCTURAL FRAME 1

FACADE RAIL

ADAPTABLE FACADE



HYGENE CLOSET

AMOLED SCREEN

INFLATABLE ELEMENTS

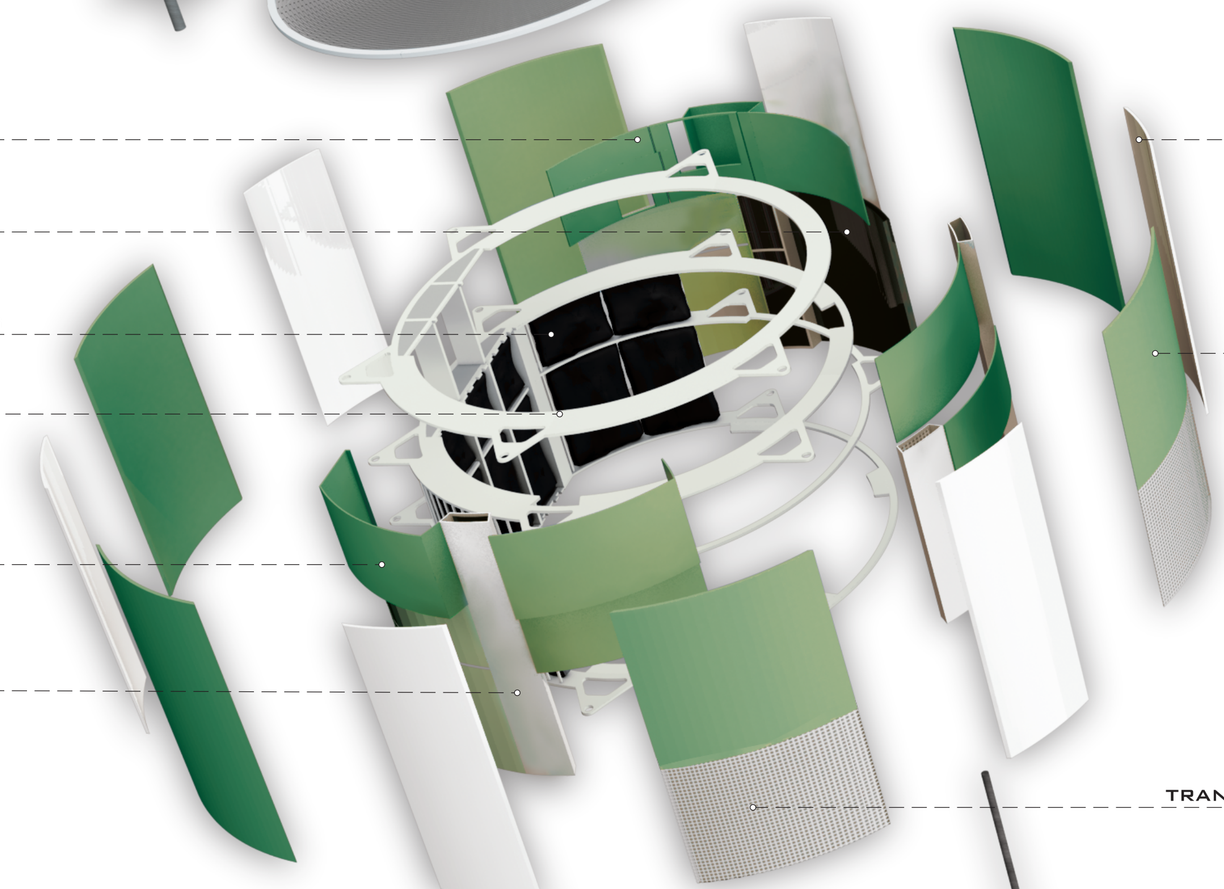
STRUCTURAL FRAME 2

STORAGE CLOSET

CONTROL PANELS

OUTER PANELS 1

OUTER PANELS 2



TRANSPARENT PANELS



ROTATING CHAMBER

ELEVATOR MAIN FRAME

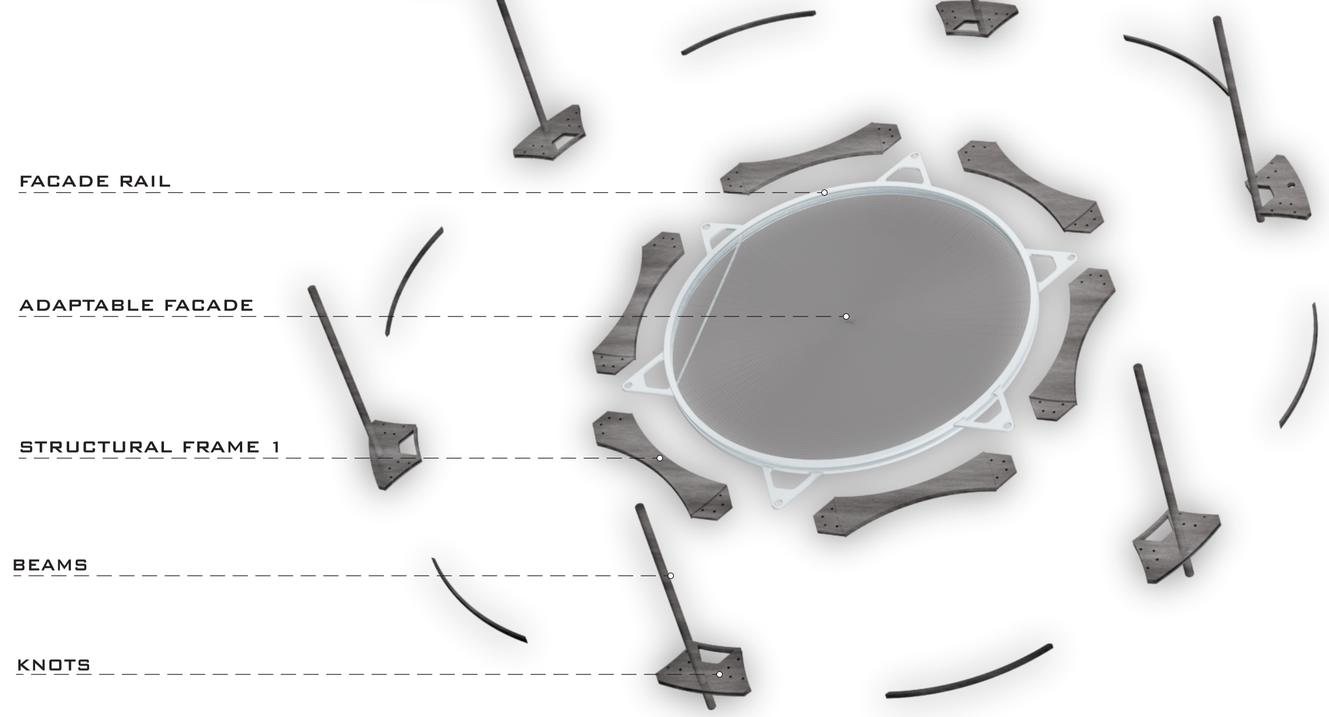
FACADE RAIL

ADAPTABLE FACADE

STRUCTURAL FRAME 1

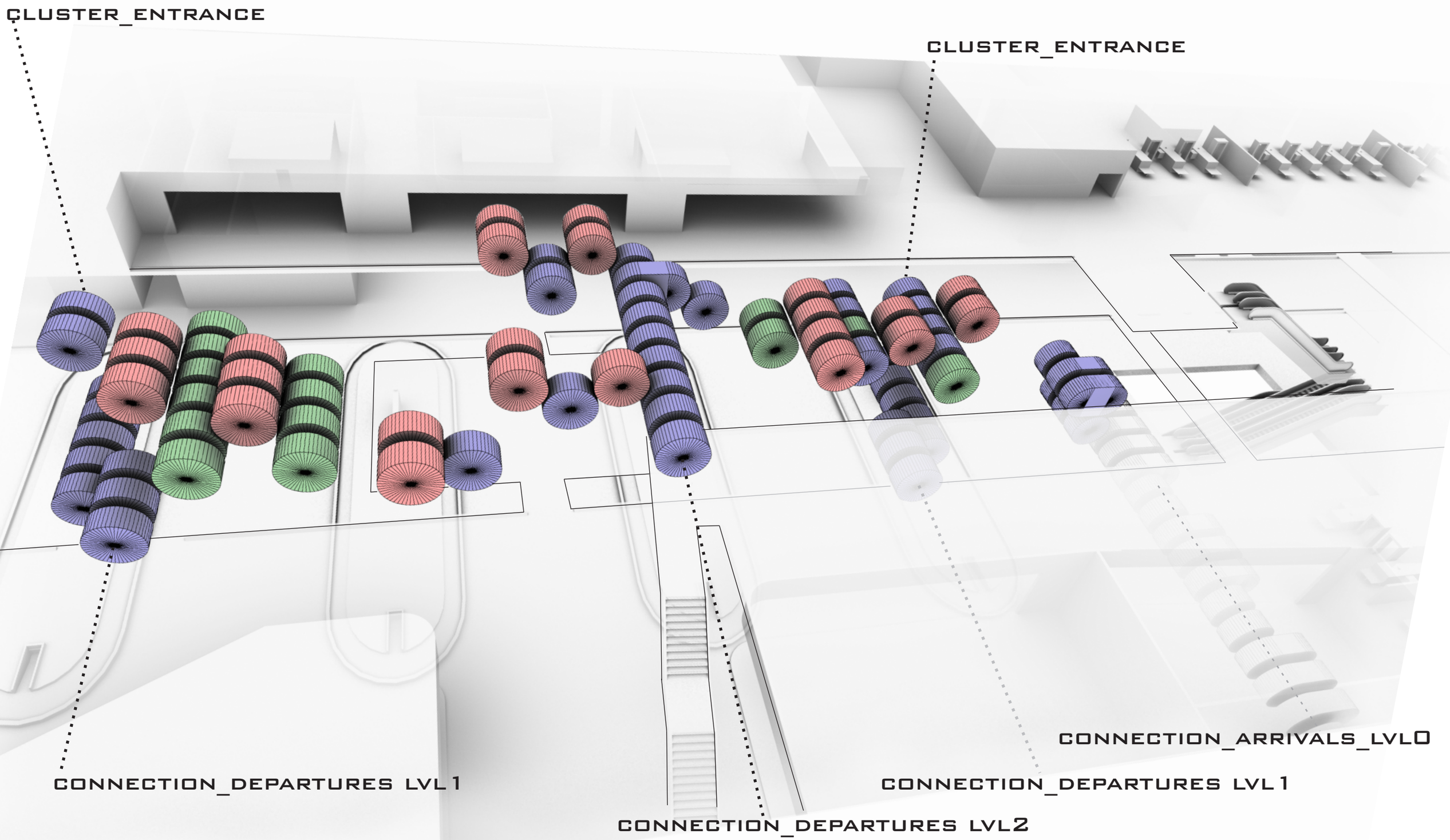
BEAMS

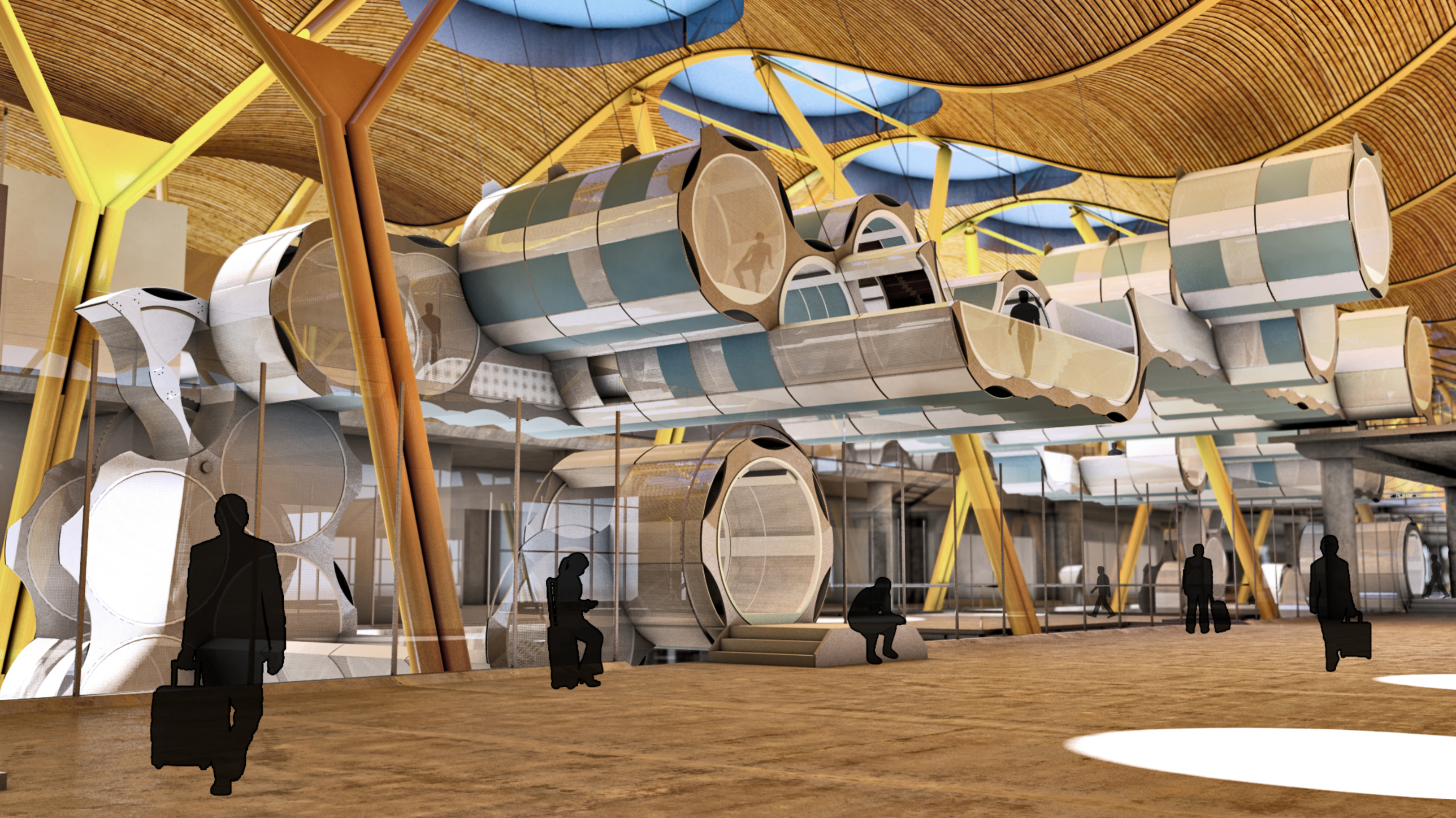
KNOTS



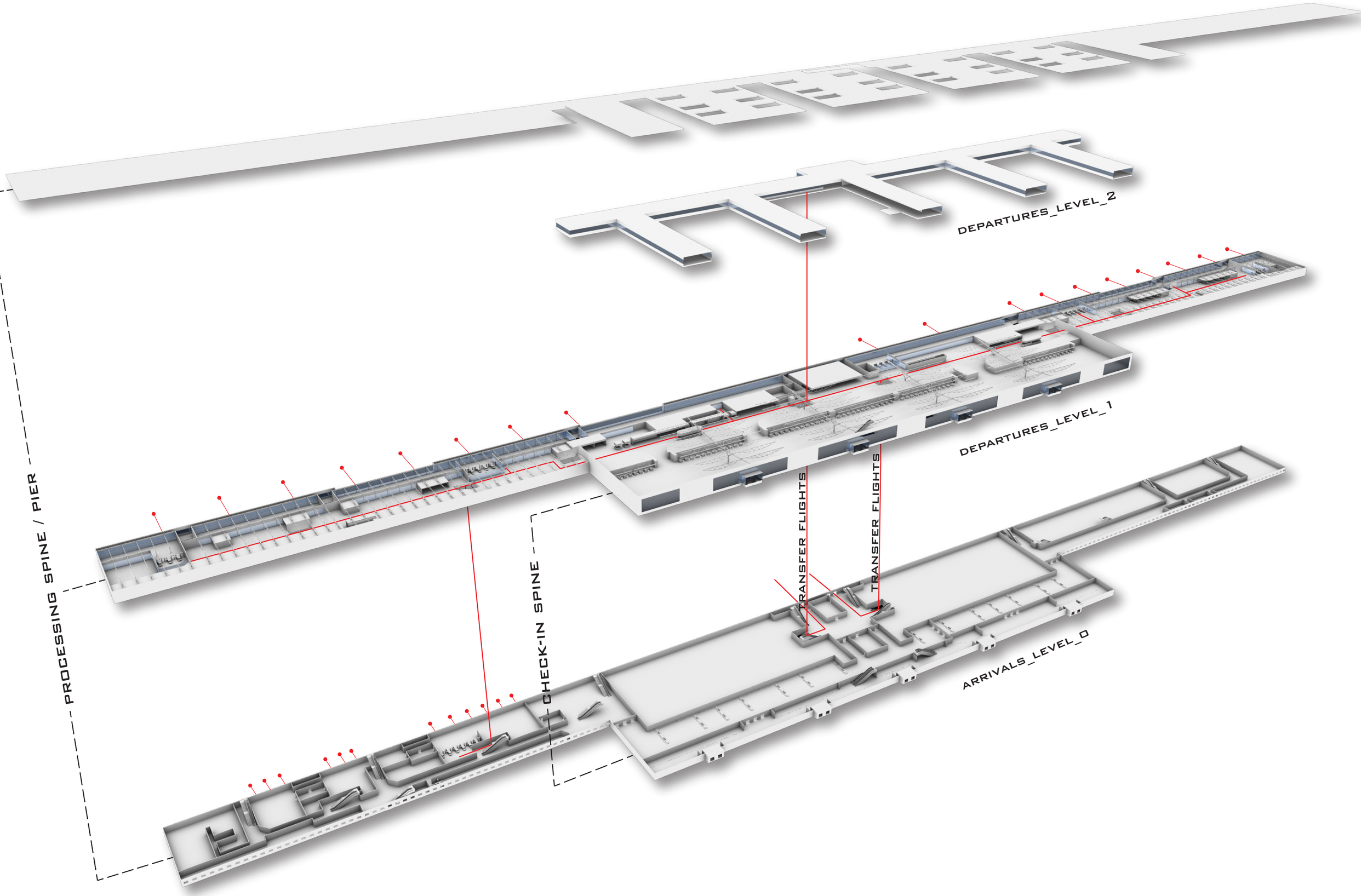
DETAILS

SYSTEM_ADAPTATION





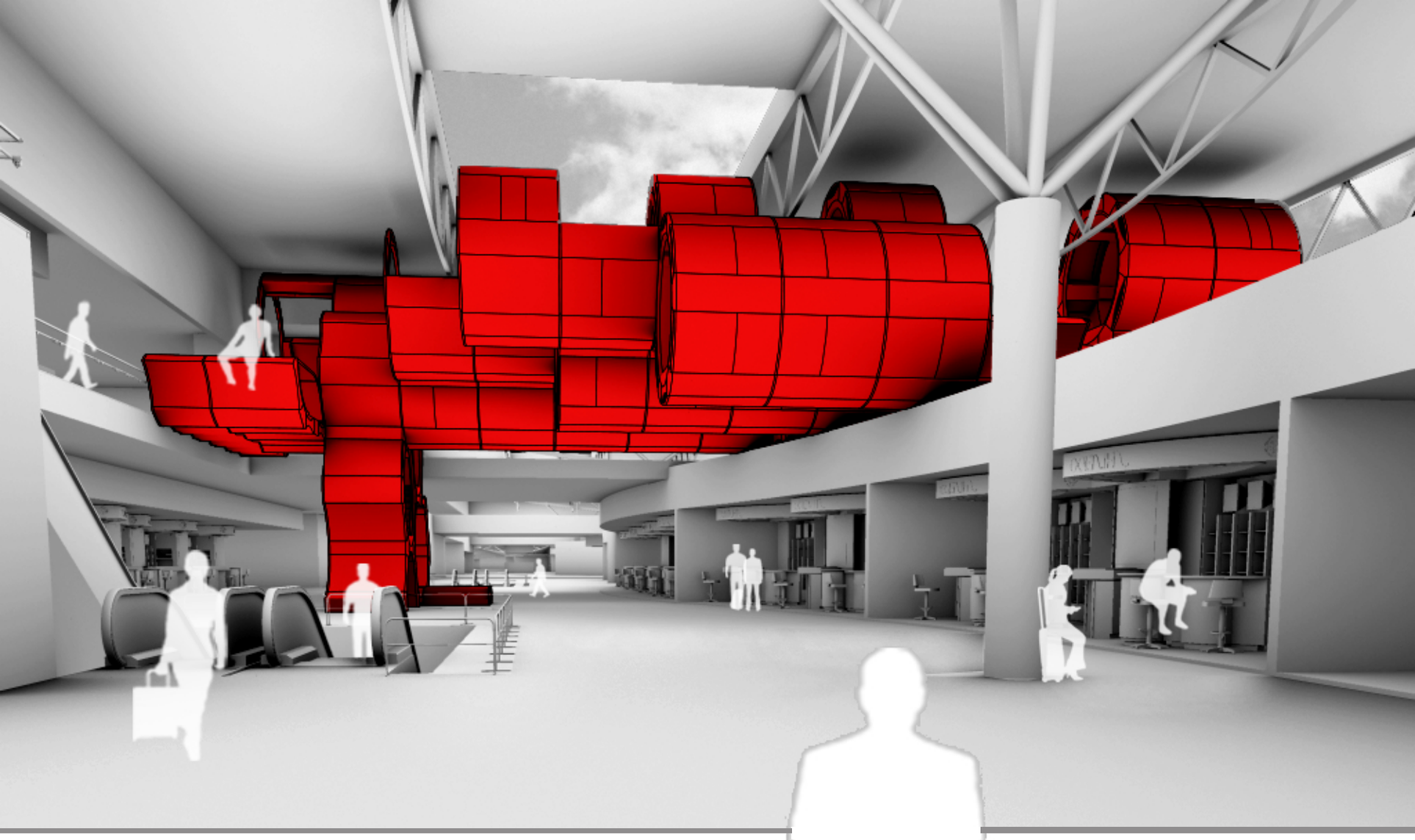



DEPARTURES_LEVEL_2
DEPARTURES_LEVEL_1
ARRIVALS_LEVEL_0
TRANSFER FLIGHTS
TRANSFER FLIGHTS
CHECK-IN SPINE
PROCESSING SPINE / PIER

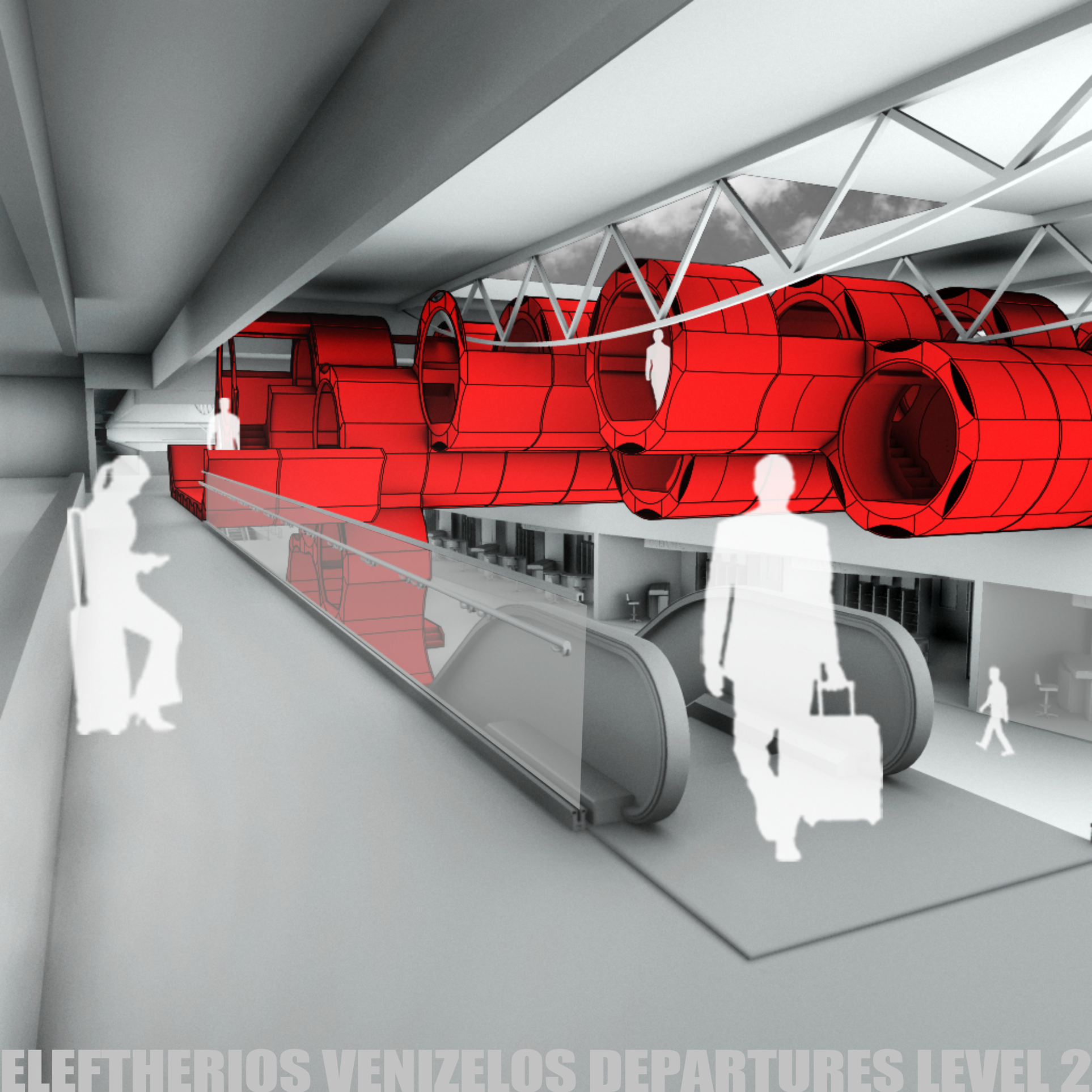
DEPARTURES LEVEL 2
DEPARTURES LEVEL 1
CHECK IN



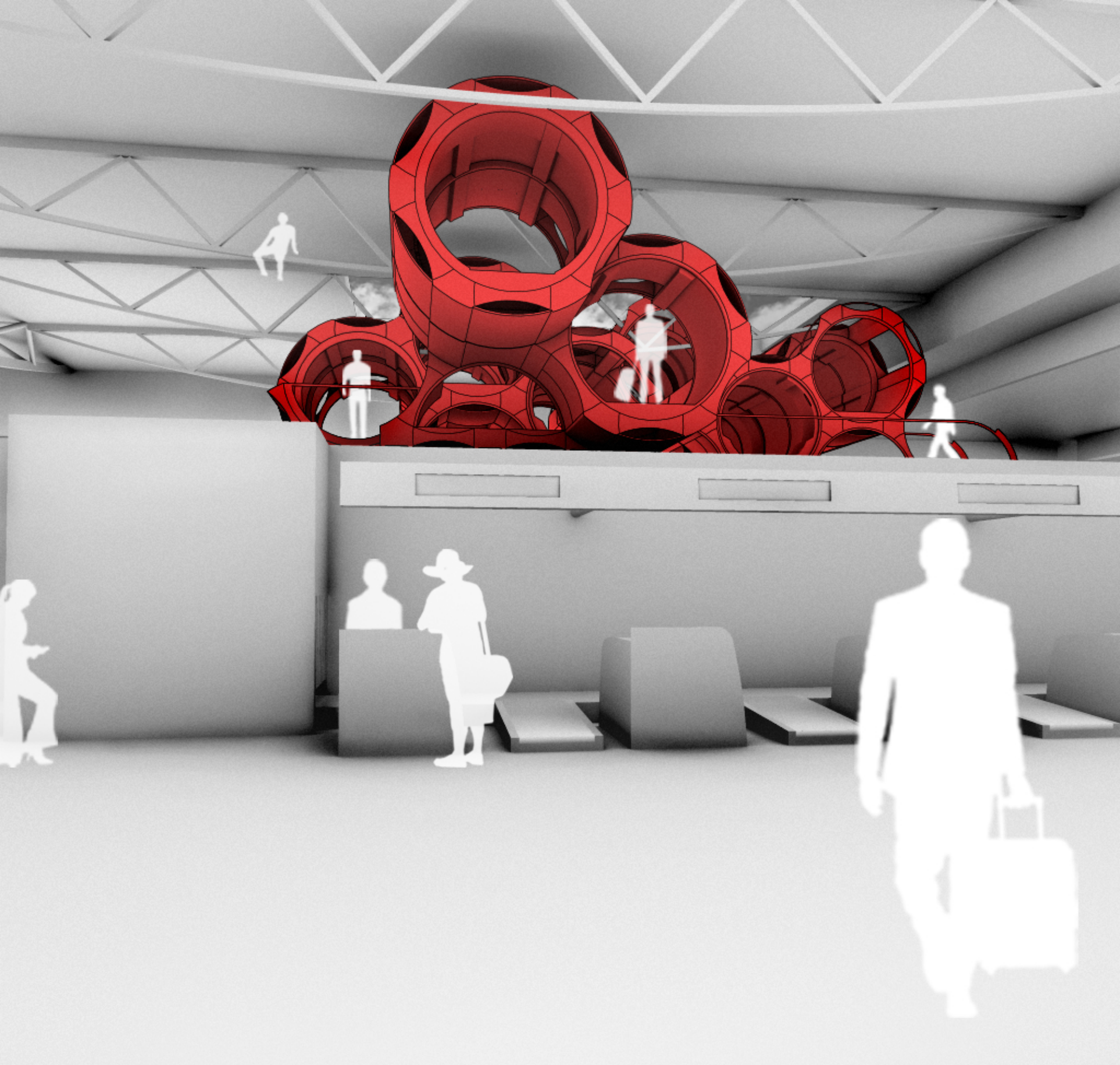
ELEFTHERIOS VENIZELOS DEPARTURES LEVEL 1



ELEFTHERIOS VENIZELOS DEPARTURES LEVEL 1



ELEFTHERIOS VENIZELOS DEPARTURES LEVEL 2



ELEFTHERIOS VENIZELOS CHECK IN COUNTERS

SUPERMODERNITY MARK AUGE EXESS OF EGO
EXESS OF TIME EXESS OF SPACE TRANSITION
NON-PLACES BOARDERS AIRPORTS HARBORS
RAILWAY STATION HIGHWAY SUPERMARKET
TERMINAL IN-BETWEEN SPACE TERRITORIAL
LOCALIZATION CENTRALIZATION SPACE TIME
UNIVERSALITY COMMUNITY PLACE HISTORY
GLOBAL INTERCONNECTIVITY RELATIONSHIPS
SPACE OF FLOWS MANUEL CASTELLS DISPLAC
ENVIROMENT TERRITORY INDIVIDUAL SELF RE
NOMAD NEONOMAD IDENTITY MOBILITY VELO
PHYSICAL DIGITAL MENTAL COLLECTORS AND
CONSUMERS OF INFORMATION GOODS PEOPLE
SPACES SPACES ON DEMAND COCOON SPACE
SPACIAL CONNECTIONS TRAVELLING FOR LIVI
LEISURE WORK GO FOR CONVENIENCE SPEED
SMOOTH OPERATION REORGANIZE RELOCATE

SUPERMODERNITY MARK AUGE EXESS OF EGO
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NON-PLACES BOARDERS AIRPORTS HARBORS
RAILWAY STATION HIGHWAY SUPERMARKET
TERMINAL IN-BETWEEN SPACE TERRITORIAL
LOCALIZATION CENTRALIZATION SPACE TIME
UNIVERSALITY COMMUNITY PLACE HISTORY
GLOBAL INTERCONNECTIVITY RELATIONSHIPS
SPACE OF FLOWS MANUEL CASTELLS DISPLAC
ENVIROMENT TERRITORY INDIVIDUAL SELF RE
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CONSUMERS OF INFORMATION GOODS PEOPLE
SPACES SPACES ON DEMAND COCOON SPACE

PROCESSING. . . CTIONS TRAVELLING FOR LIVI

LEISURE WORK GO FOR CONVENIENCE SPEED
SMOOTH OPERATION REORGANIZE RELOCATE

NON-PLACES



NEONOMAD

SUPERMODERNITY MARK AUGE EXESS OF EGO
EXESS OF TIME EXESS OF SPACE TRANSITION
NON-PLACES BOARDERS AIRPORTS HARBORS
RAILWAY STATION HIGHWAY SUPERMARKET
TERMINAL IN-BETWEEN SPACE TERRITORIAL
LOCALIZATION CENTRALIZATION SPACE TIME
UNIVERSALITY COMMUNITY PLACE HISTORY
GLOBAL INTERCONNECTIVITY RELATIONSHIPS



NOMAD

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LEISURE WORK GO FOR CONVENIENCE SPEED
SMOOTH OPERATION REORGANIZE RELOCATE



NEONOMAD



NEONOMADS

TRAVEL FOR LIVING

LEISURE WORK



NEONOMADS



NEONOMADS

NOMAD IDENTITY MOBILITY VEL
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CONSUMERS OF INFORMATION GOODS PEOPL
SPACES SPACES ON DEMAND COCOON SPACE
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LEISURE WORK GO FOR CONVENIENCE SPEED
SMOOTH OPERATION REORGANIZE RELOCATE



NEONOMADS

COLLECTORS AND CONSUMERS OF INFORMATION GOODS PEOPLE SPACES



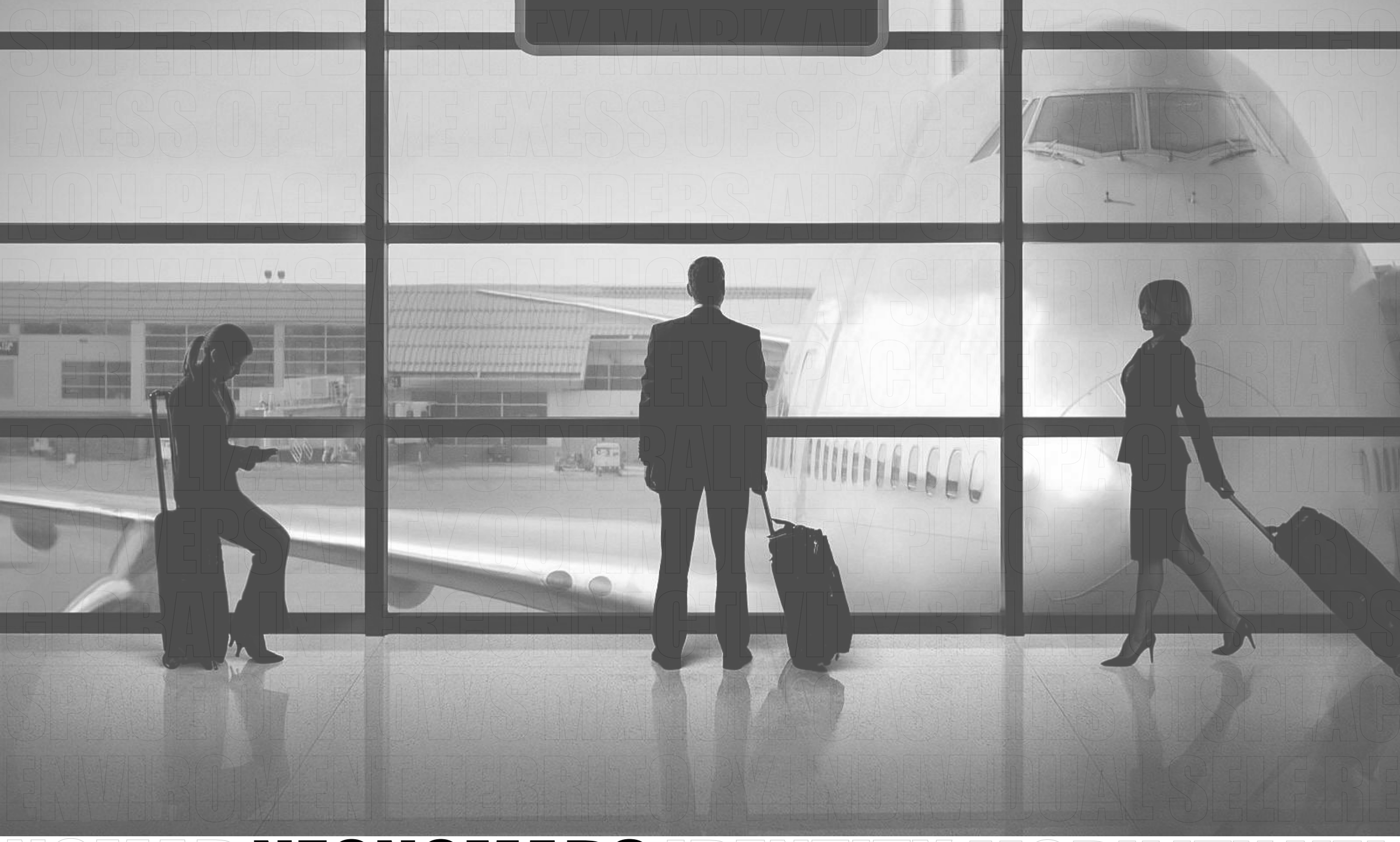
NEONOMADS

DYNAMIC TERRITORY



NEONOMADS

SPACES ON DEMAND



NEONOMADS

COCOON SPACE

REORGANIZE RELOCATE

TRANSITIONAL SPACES

NON-PLACES

IN-BETWEEN SPACE





...' 'The net it must not be finality, but a medium. Internet is a non-place. A virtual non-place. It is a space thought for communicate, consume and inform, as well as airports, highways, hipermonuments not symbolized and without signification, places that do not contribute to the historic memory, designed spaces for transit without stop. Spaces for anonymity portraying human condition in actual society." ...

NON-PLACES

AIRPORTS

TERMINAL



SUPERMODERNITY MARK AUGE EXESS OF EGO
EXESS OF TIME EXESS OF SPACE TRANSITION
NON-PLACES BOARDERS AIRPORTS **HARBORS**
RAILWAY STATION HIGHWAY SUPERMARKET T
TERMINAL IN-BETWEEN SPACE TERRITORIAL S
LOCALIZATION CENTRALIZATION SPACE TIME
UNIVERSALITY COMMUNITY PLACE HISTORY



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BOARDERS AIRPORTS HARBORS
RAILWAY STATION
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TERMINAL IN-BETWEEN SPACE TERRITORIAL S
LOCALIZATION CENTRALIZATION SPACE TIME
UNIVERSALITY COMMUNITY PLACE HISTORY



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NON-PLACES
BOARDERS AIRPORTS HARBORS
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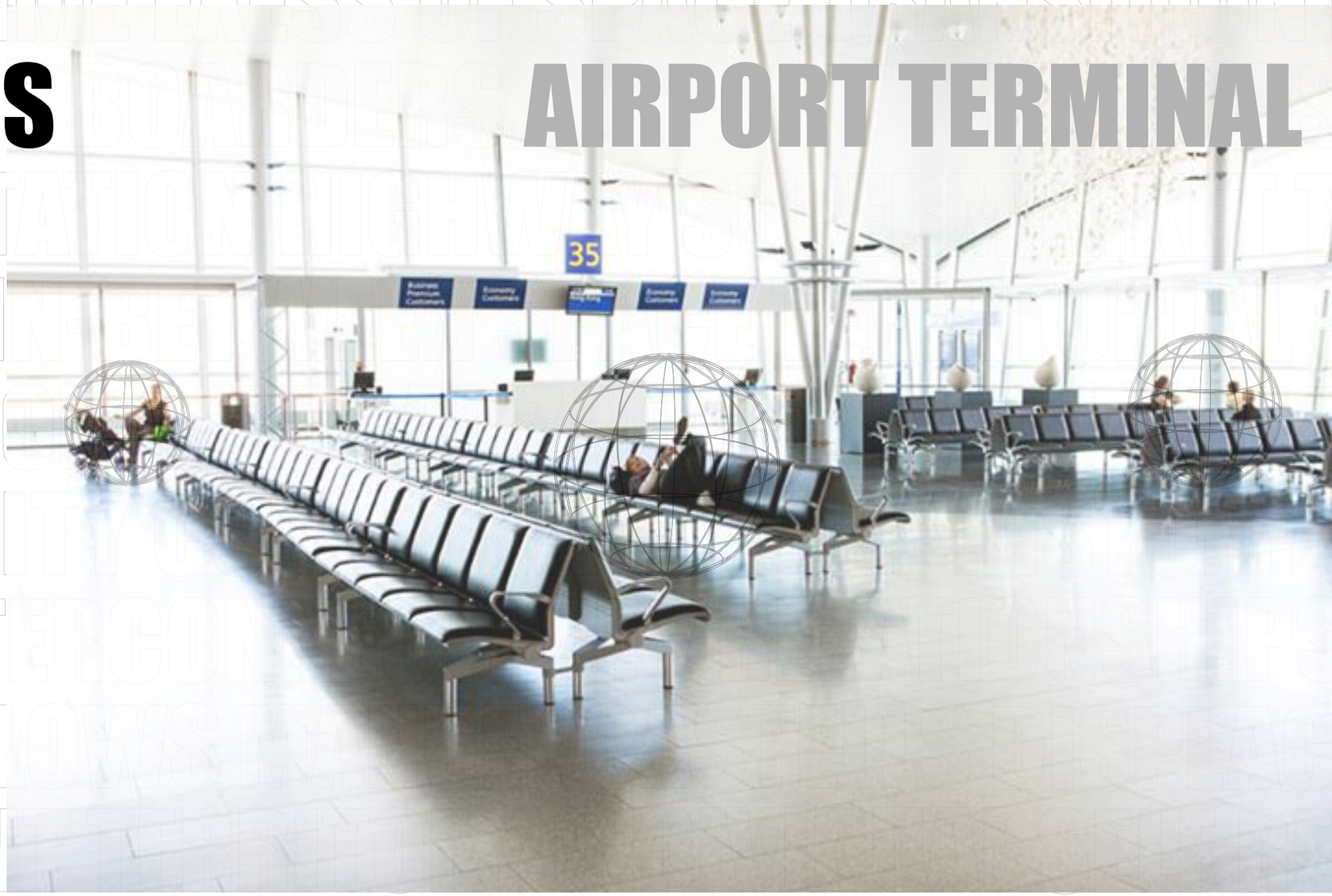
SUPERMODERNITY MARK AUGE EXESS OF EGO
EXESS OF TIME EXESS OF SPACE TRANSITION
NON-PLACES
BOARDERS AIRPORTS HARBORS
RAILWAY STATION HIGHWAY
SUPERMARKET
TERMINAL IN-BETWEEN SPACE TERRITORIAL
LOCALIZATION CENTRALIZATION SPACE TIME



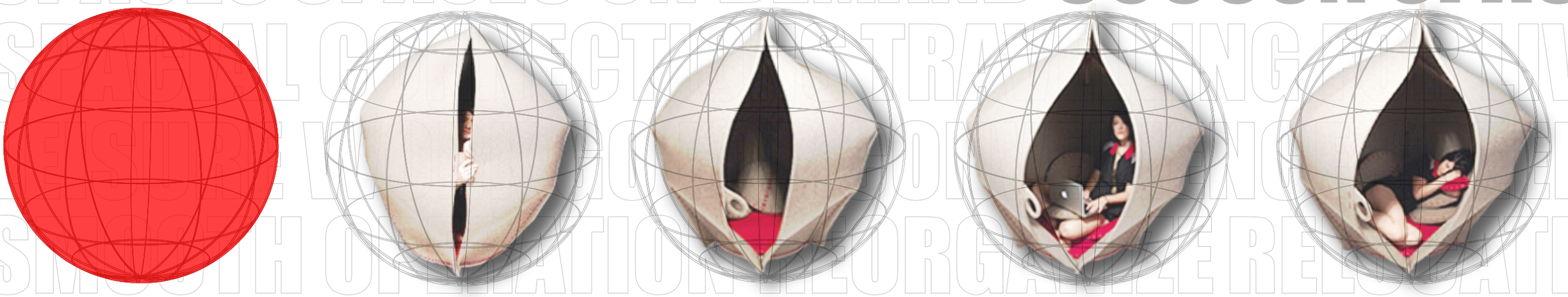
NON-PLACES

AIRPORT TERMINAL



NEONOMAD

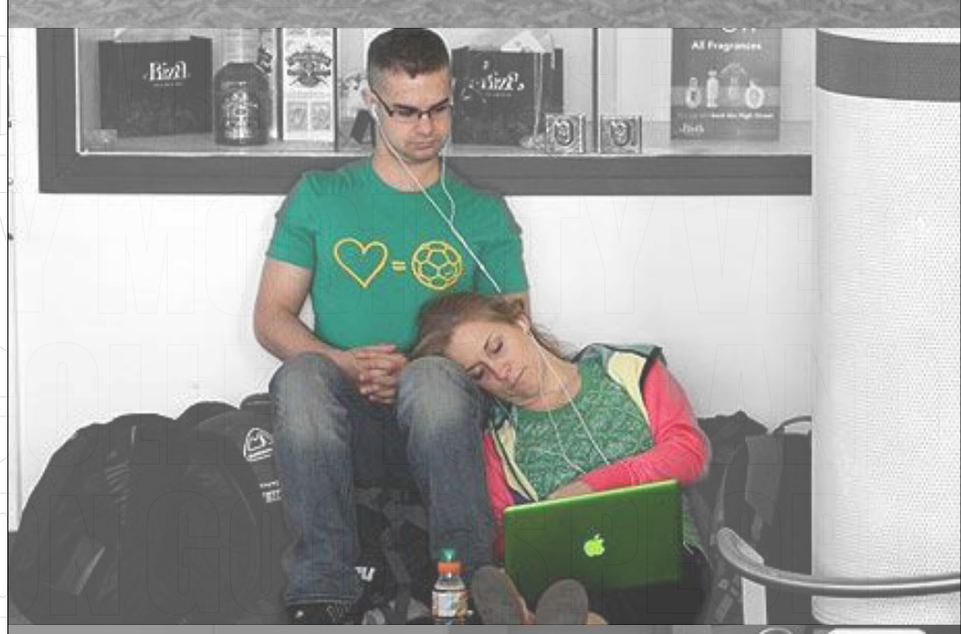
COCOON SPACE



CASES_









CURRENT_COCOON SPACE









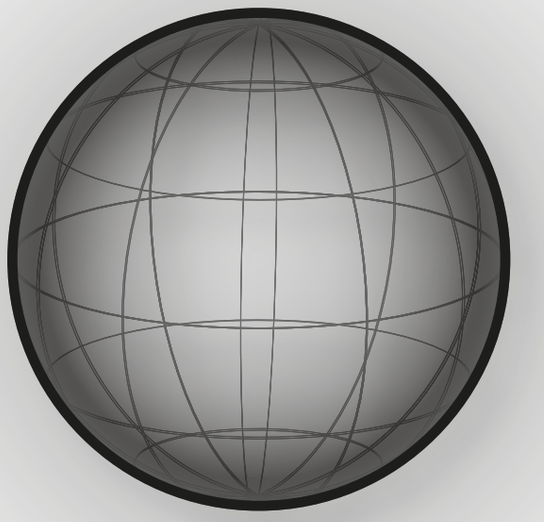




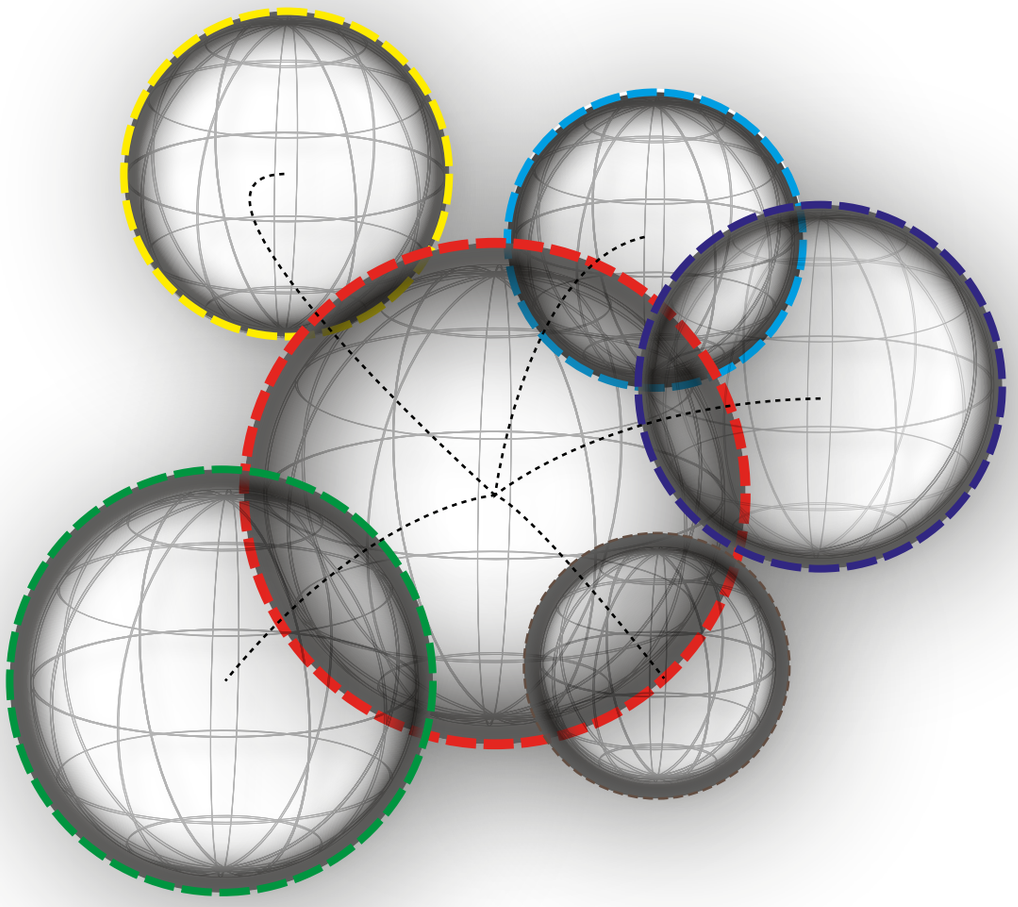




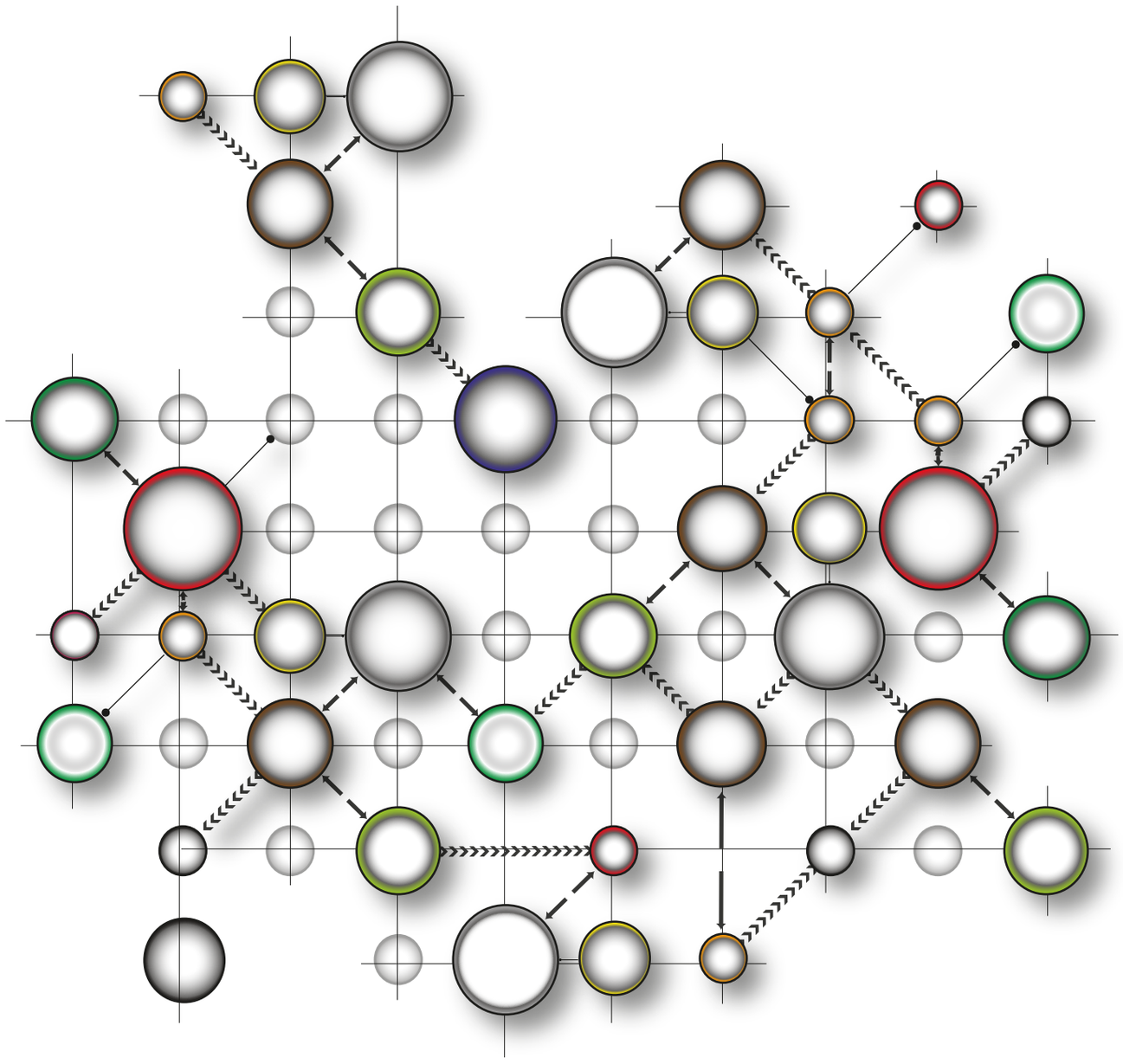




COCOON SPACE_____ AS AN ISOLATION SPACE



COCOON SPACE_____ AS A SPACE OF REDEFINED RELATIONS

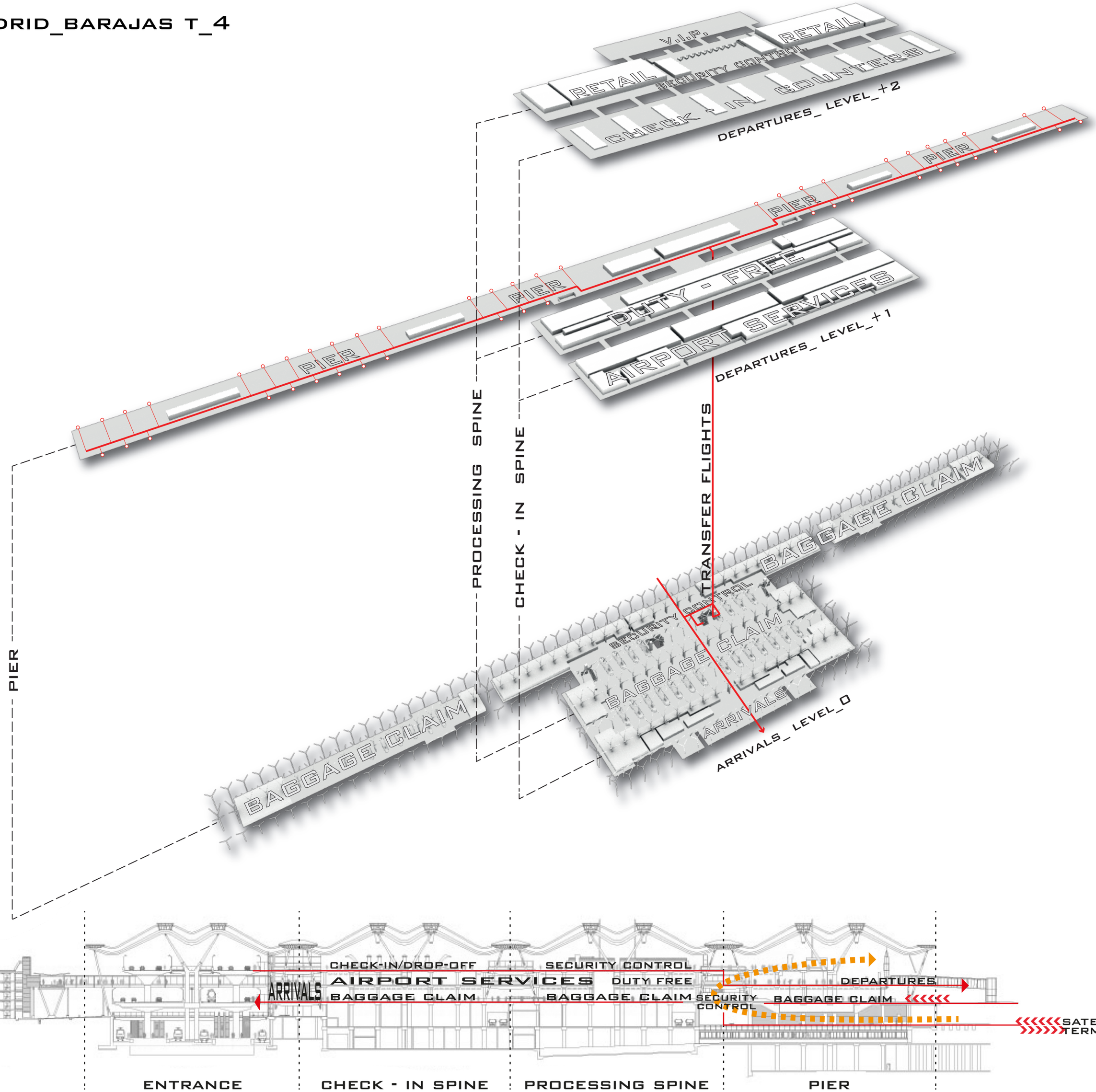


COCOON SPACE

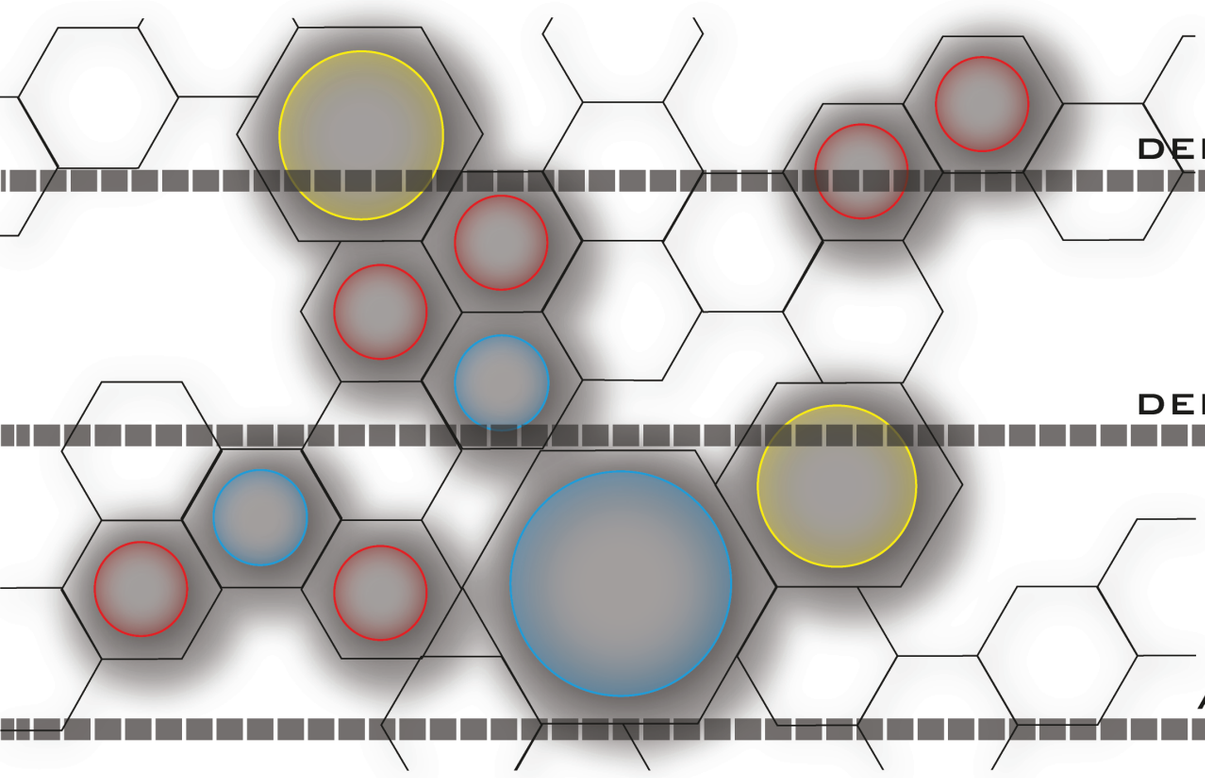
- AS AN ELEMENT WITHIN AN ADAPTABLE CLUSTER OF POTENTIALLY DEVELOPING RELATIONS
- AS A PERSONAL SPACE THAT VARIES RELATIVELY TO
  - THE DESIRED FUNCTION
  - THE SPATIAL EXPANSION
  - ITS SYSTEMIC POSITION

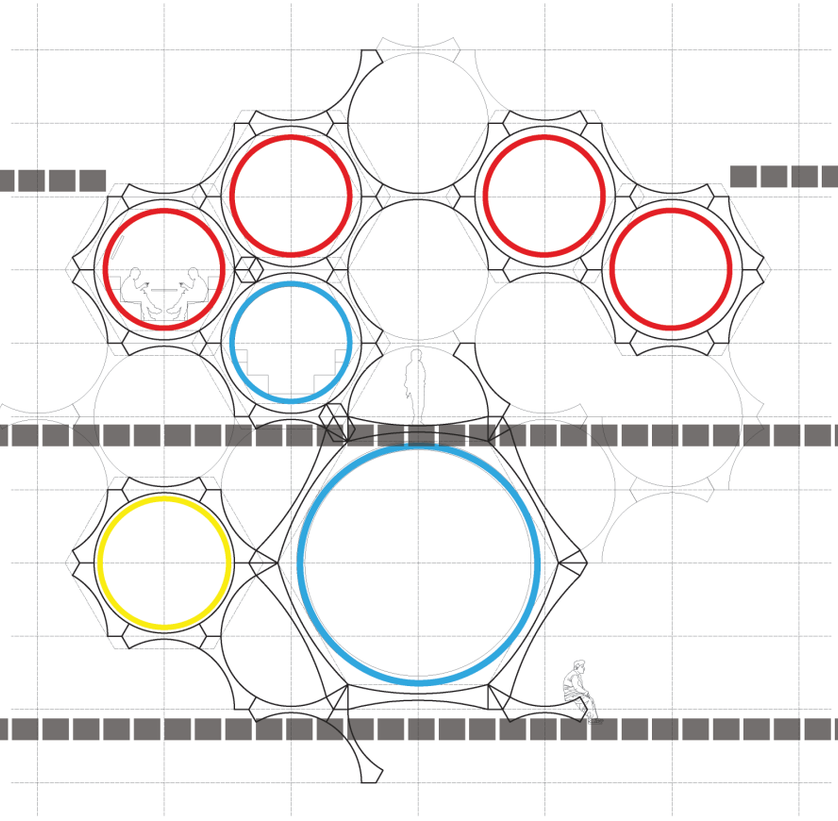
AIRPORT TERMINALS AS NON PLACES

MADRID_BARAJAS T_4



ADAPTATION





COCOON SPACES ADJUST TO EACH TERMINAL'S

- OPERATIONAL ZONES _THROUGH THE CREATION OF CLUSTERS AND VOIDS
- SPATIAL PARAMETERS_BY MERGING INTO OR BY DISASSOCIATING ITS FUNCTION FROM THE EXISTING OPERATIONAL ZONES

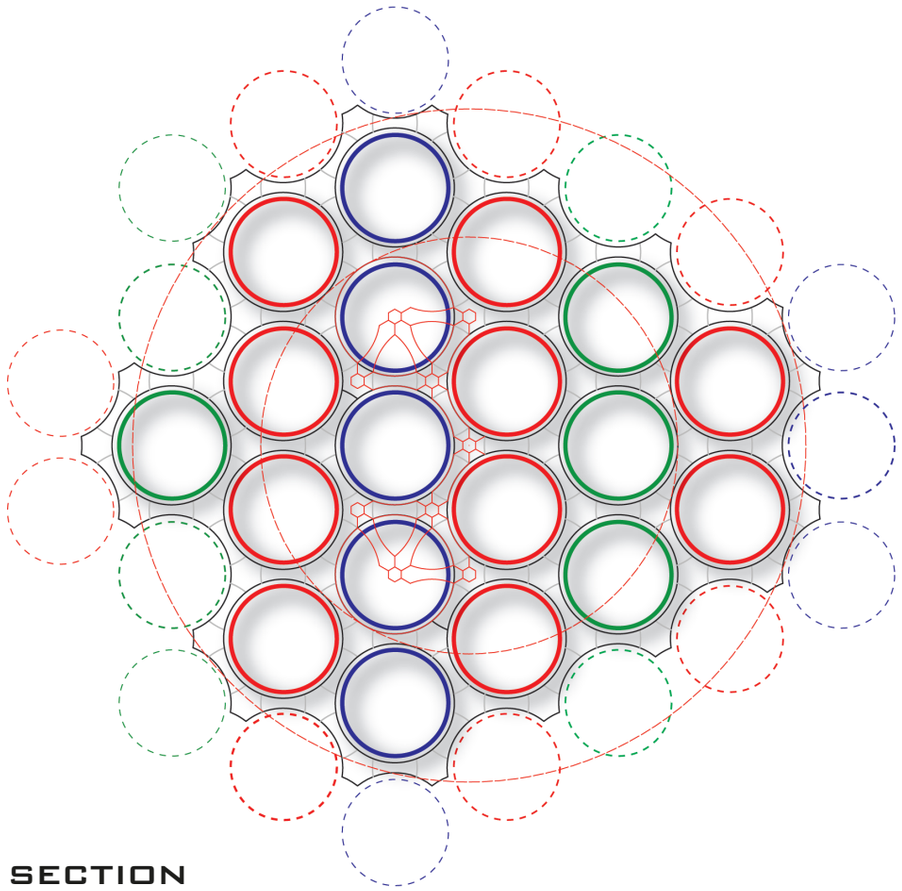
COCOON SPACES AS ADAPTABLE CLUSTER FORMATIONS

WHICH, BASED ON THE DESIGN PRINCIPLES, MAINTAIN THE POSSIBILITY OF DEVELOPING RELATIONS BETWEEN THE EMERGING COCOON SPACES

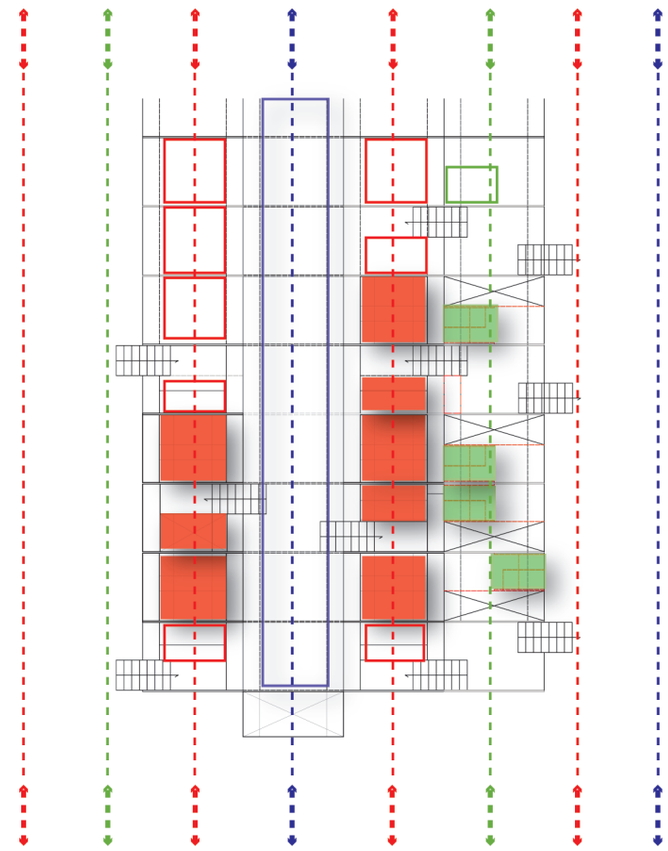
SYSTEMIC_APPROACH

SYSTEMATIZATION OF THE DEVELOPING RELATIONS

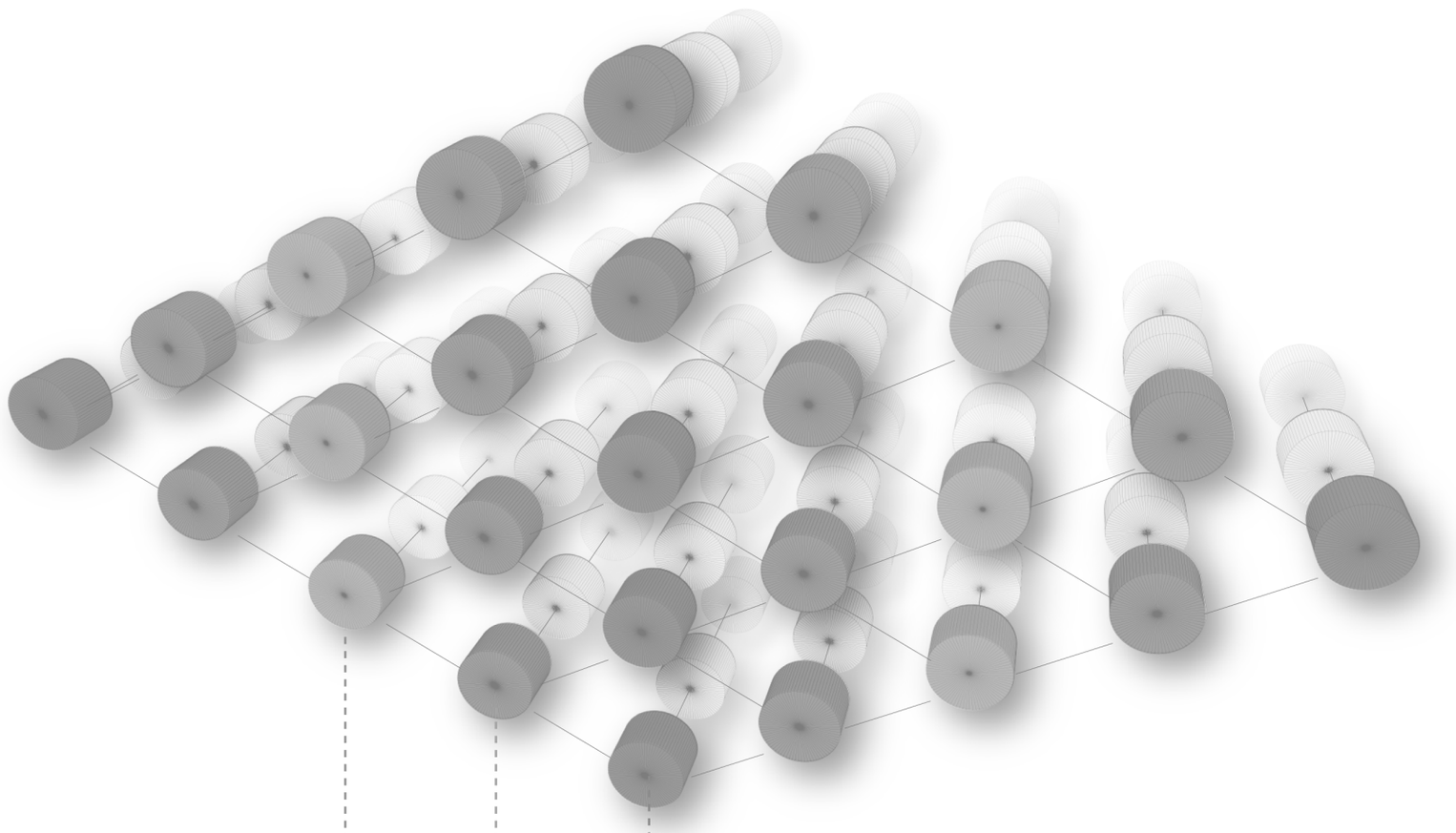
DESIGN OF EACH SYSTEMIC UNIT IN ACCORDANCE WITH THE SURROUNDING UNITS



SECTION



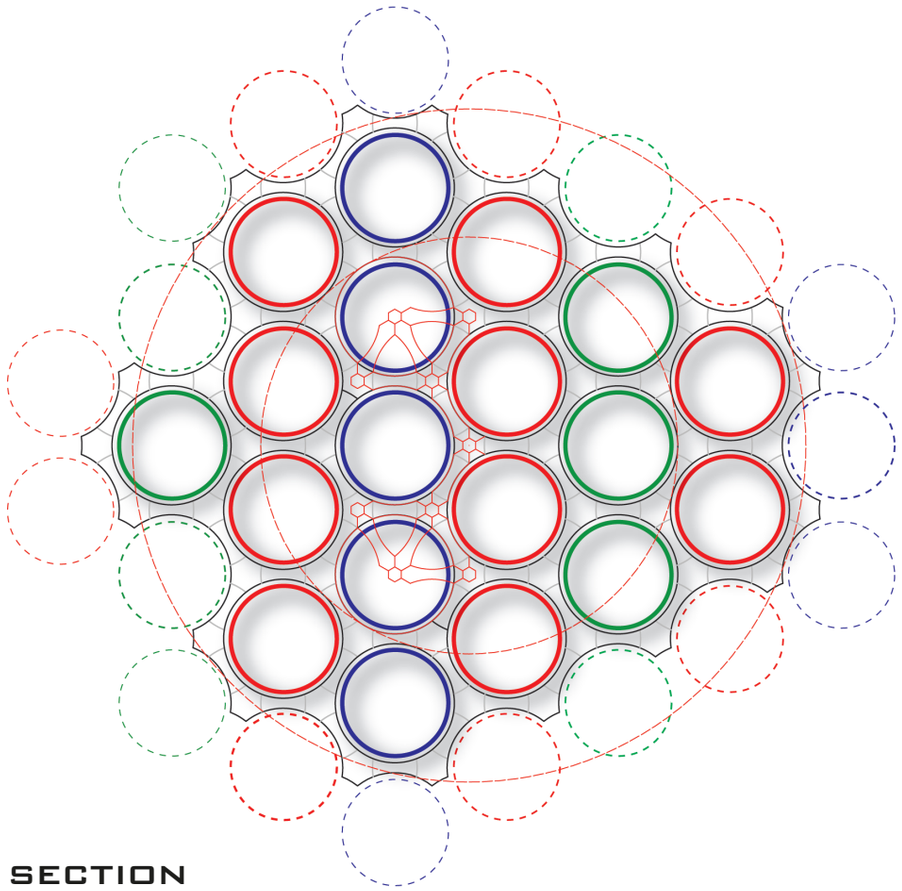
PLAN



SYSTEMIC_APPROACH

SYSTEMATIZATION OF THE DEVELOPING RELATIONS

DESIGN OF EACH SYSTEMIC UNIT IN ACCORDANCE WITH THE SURROUNDING UNITS



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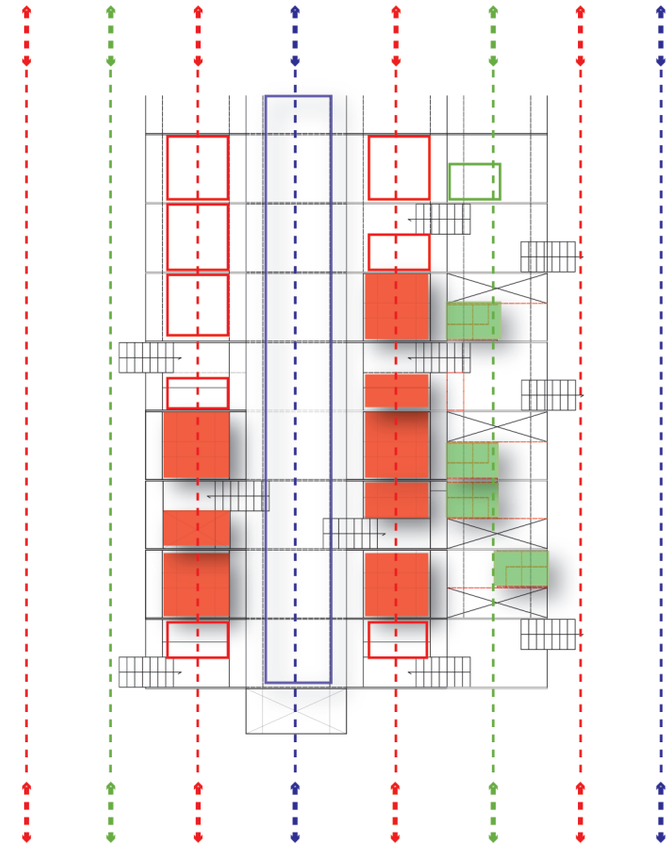
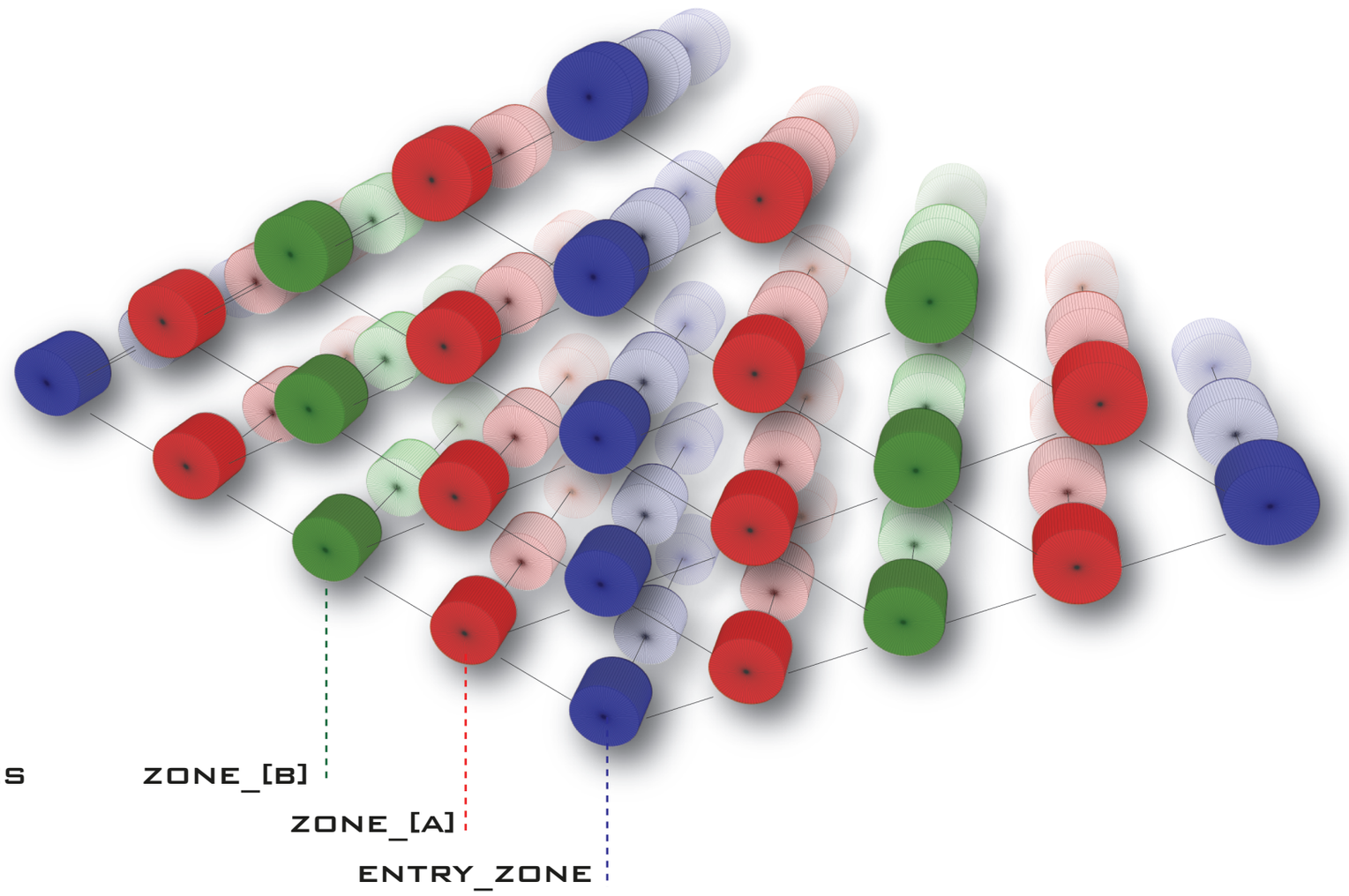


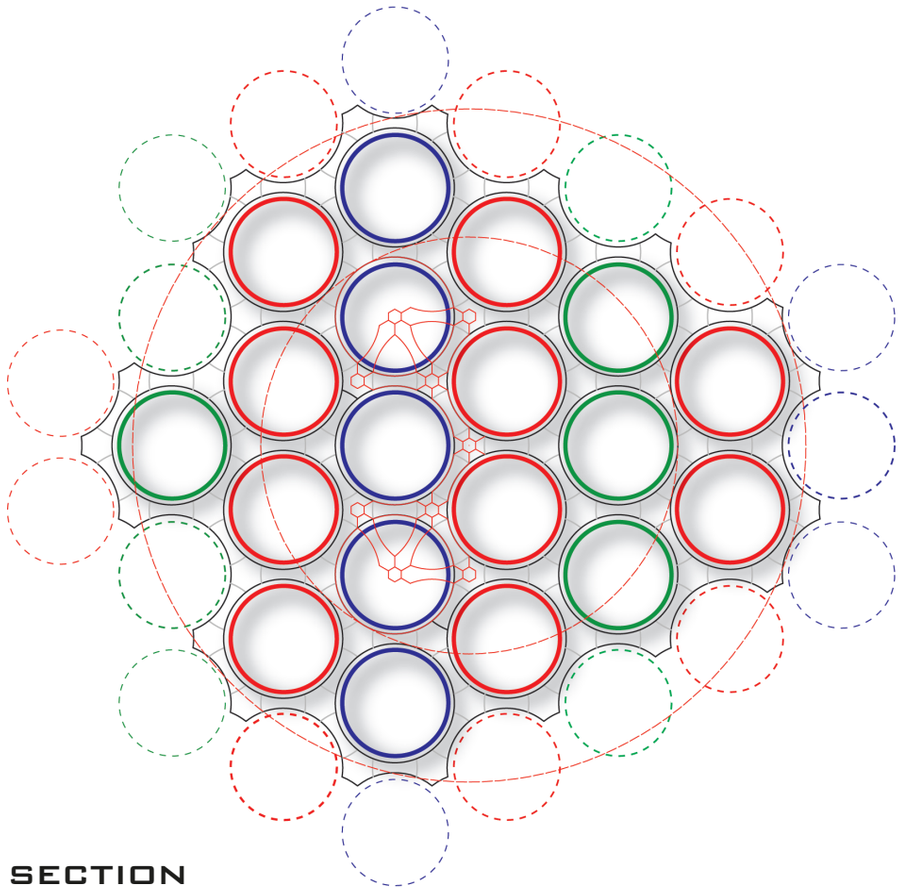
PLAN



SYSTEMIC_APPROACH

SYSTEMATIZATION OF THE DEVELOPING RELATIONS

DESIGN OF EACH SYSTEMIC UNIT IN ACCORDANCE WITH THE SURROUNDING UNITS



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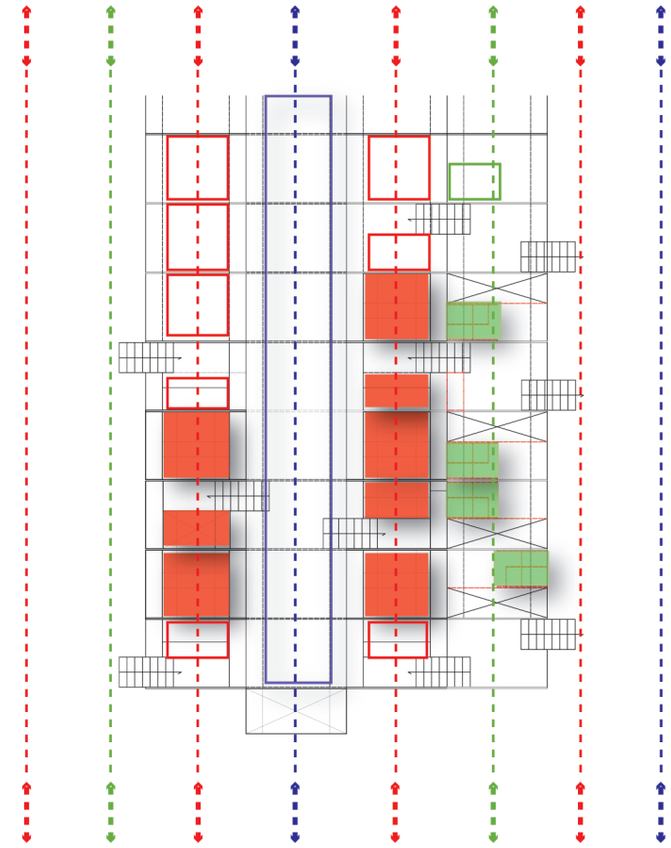
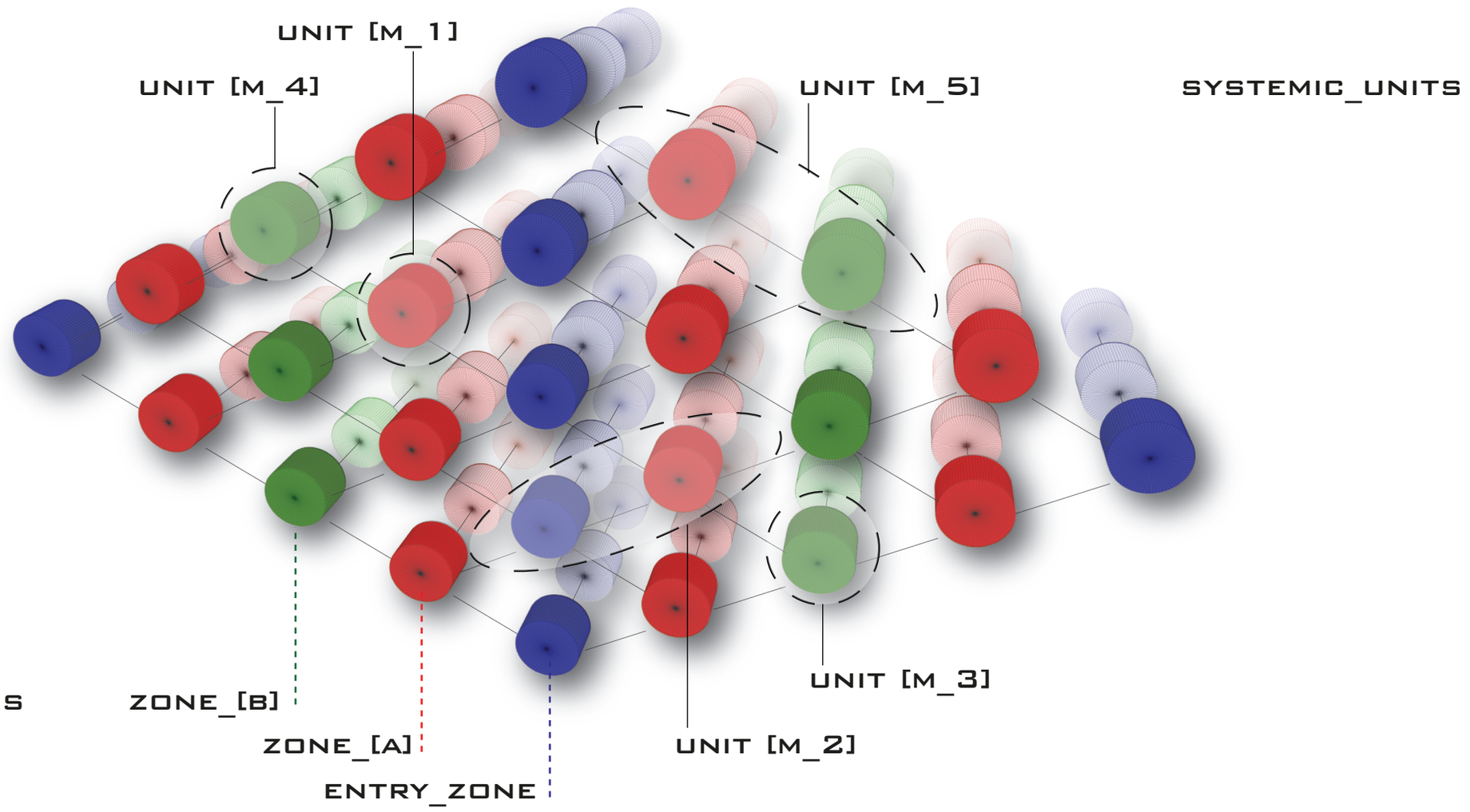


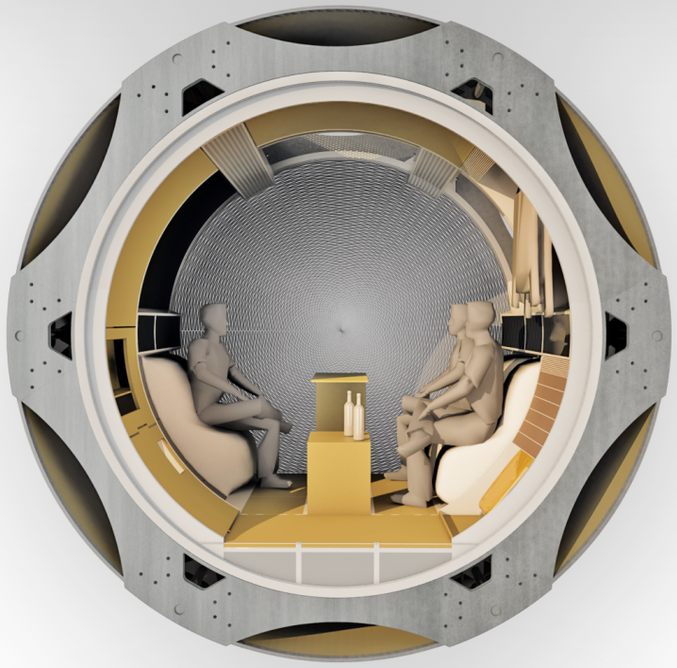
PLAN

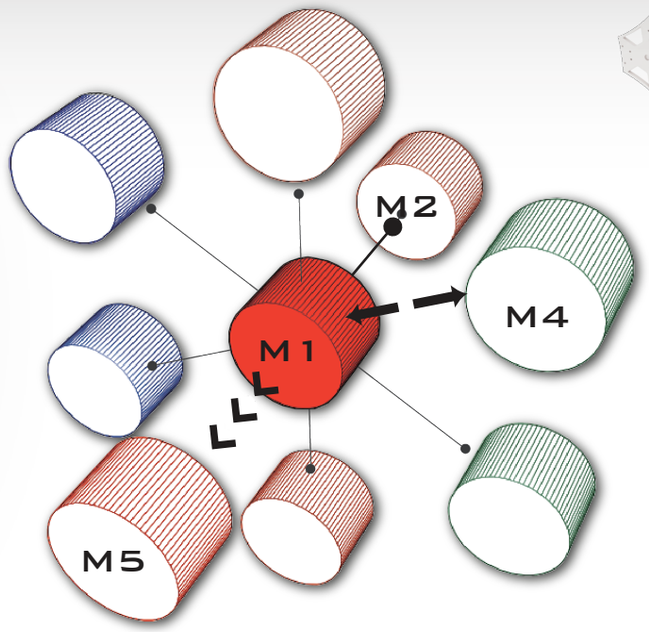


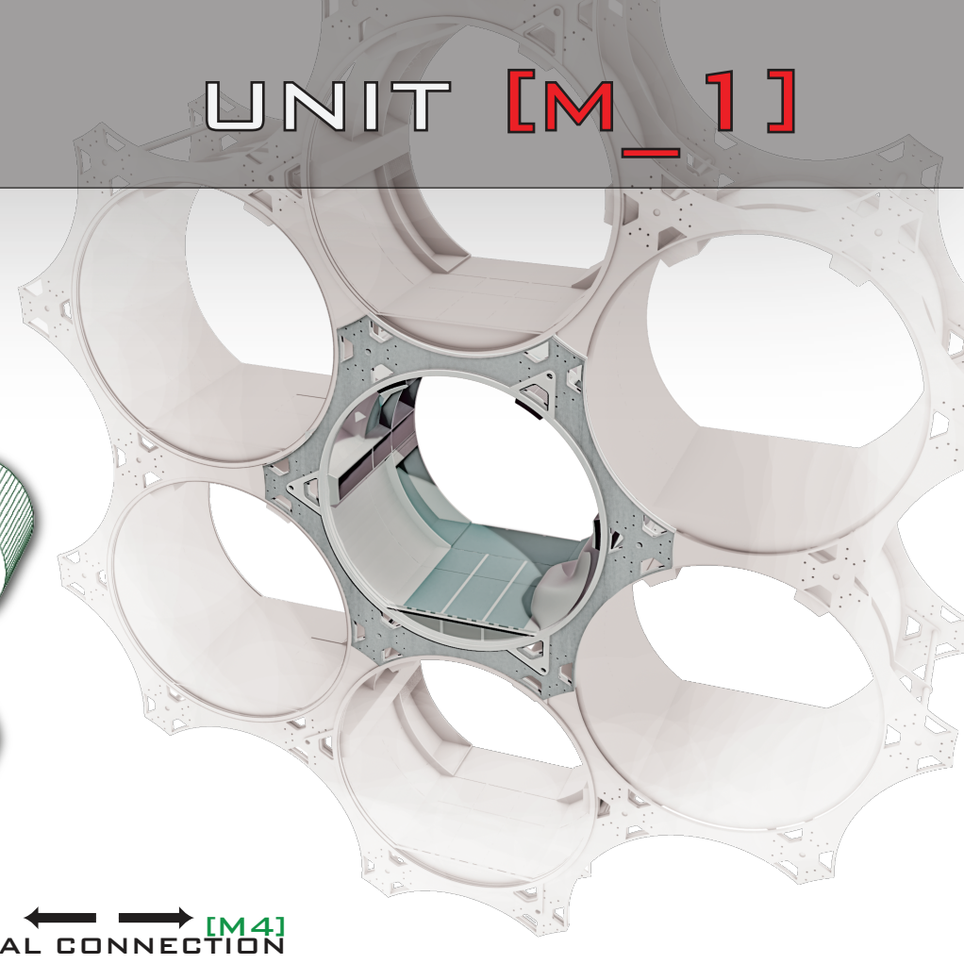


SYSTEMIC UNITS

UNIT [M_1]





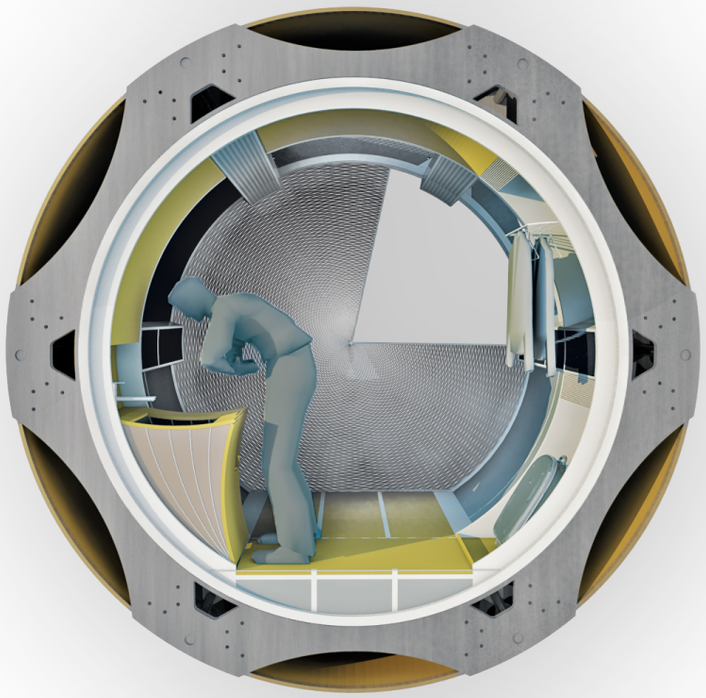


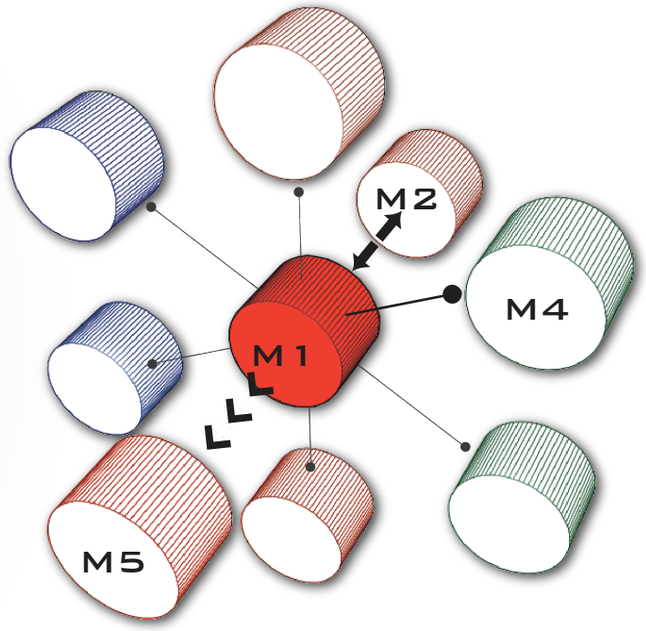
CASE_1_SOCIALIZING

[M1] SPATIAL CONNECTION [M5]

[M1] BLOCKED CONNECTION [M2]

[M1] VISUAL CONNECTION [M4]



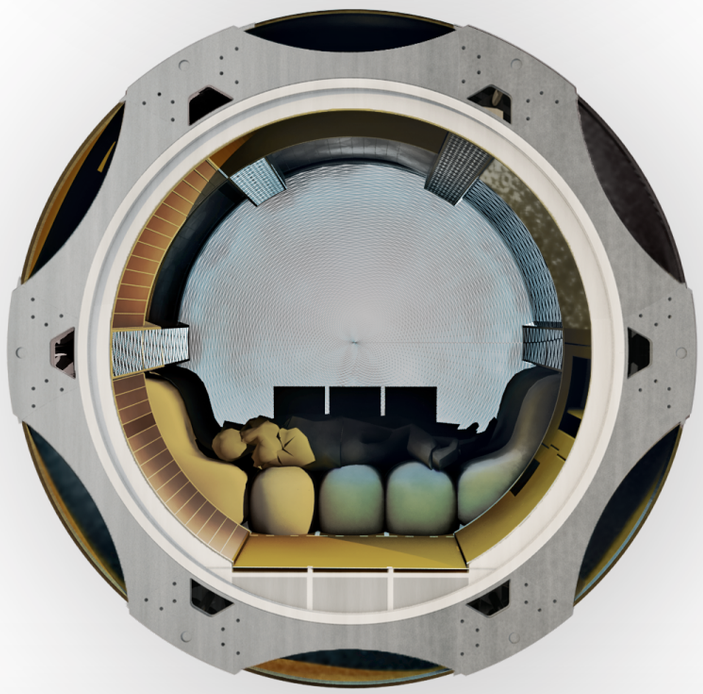


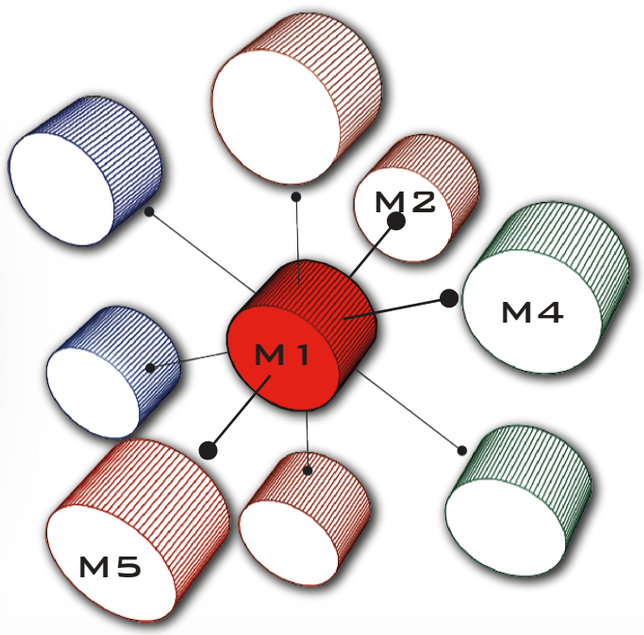
CASE_2_HYGIENE

[M1] SPATIAL CONNECTION [M5]

[M1] VISUAL CONNECTION [M2]

[M1] BLOCKED CONNECTION [M4]





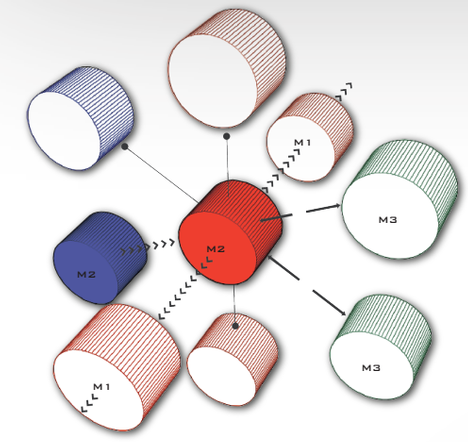
CASE_3_RESTING

[M1] BLOCKED CONNECTION [M5]

[M1] BLOCKED CONNECTION [M2]

[M1] BLOCKED CONNECTION [M4]

UNIT [M_2]



CONNECTION TYPES

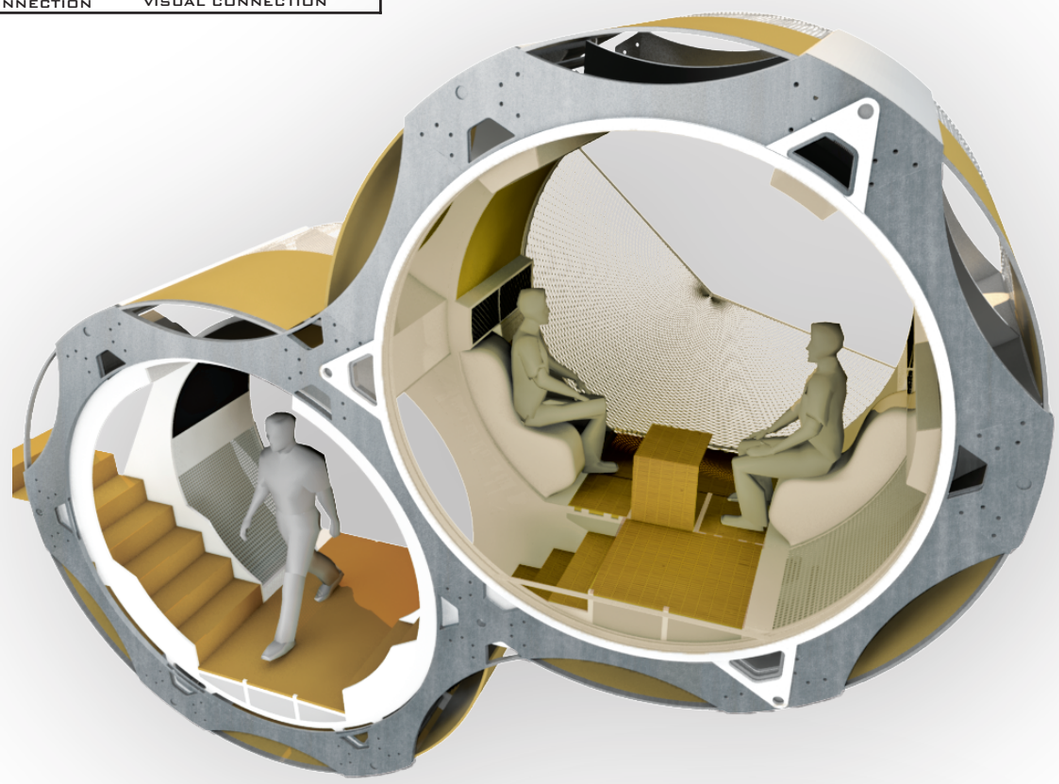
SPATIAL

VISUAL

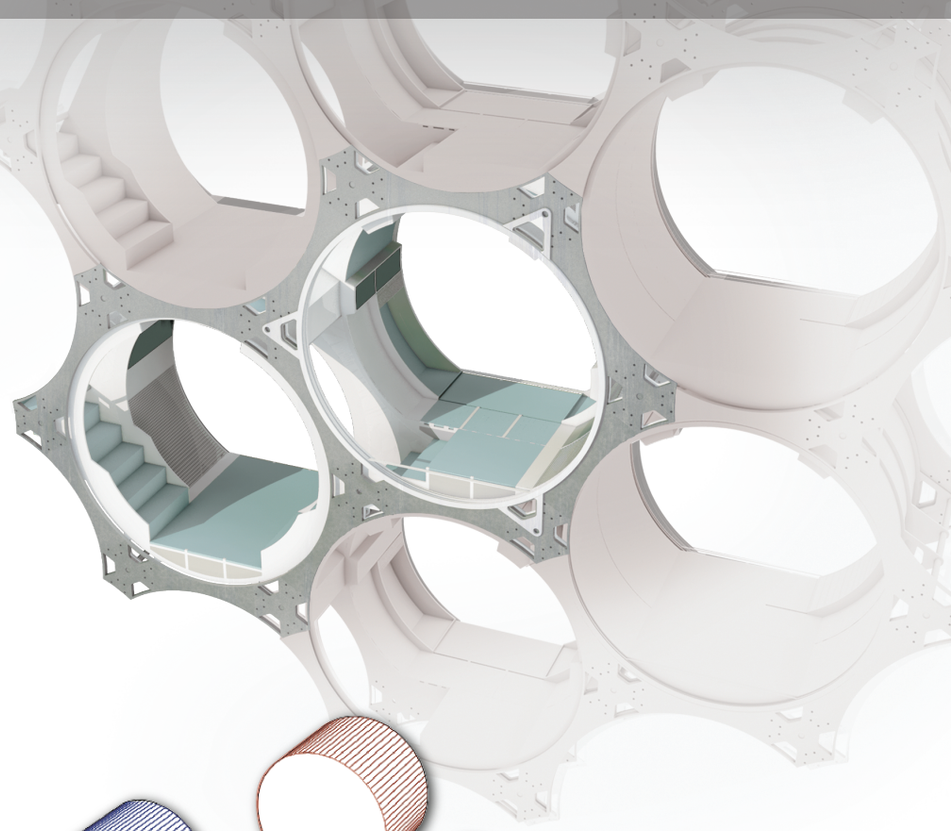
BLOCKED

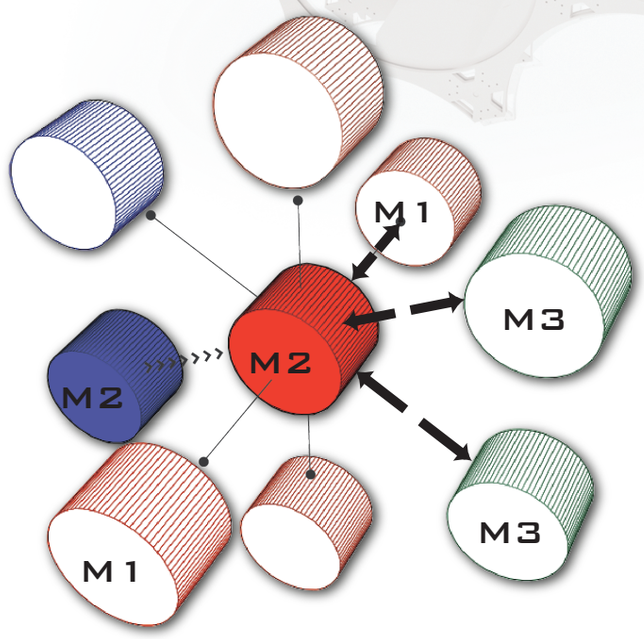
[M2] [M1] SPATIAL CONNECTION

[M2] [M3] VISUAL CONNECTION



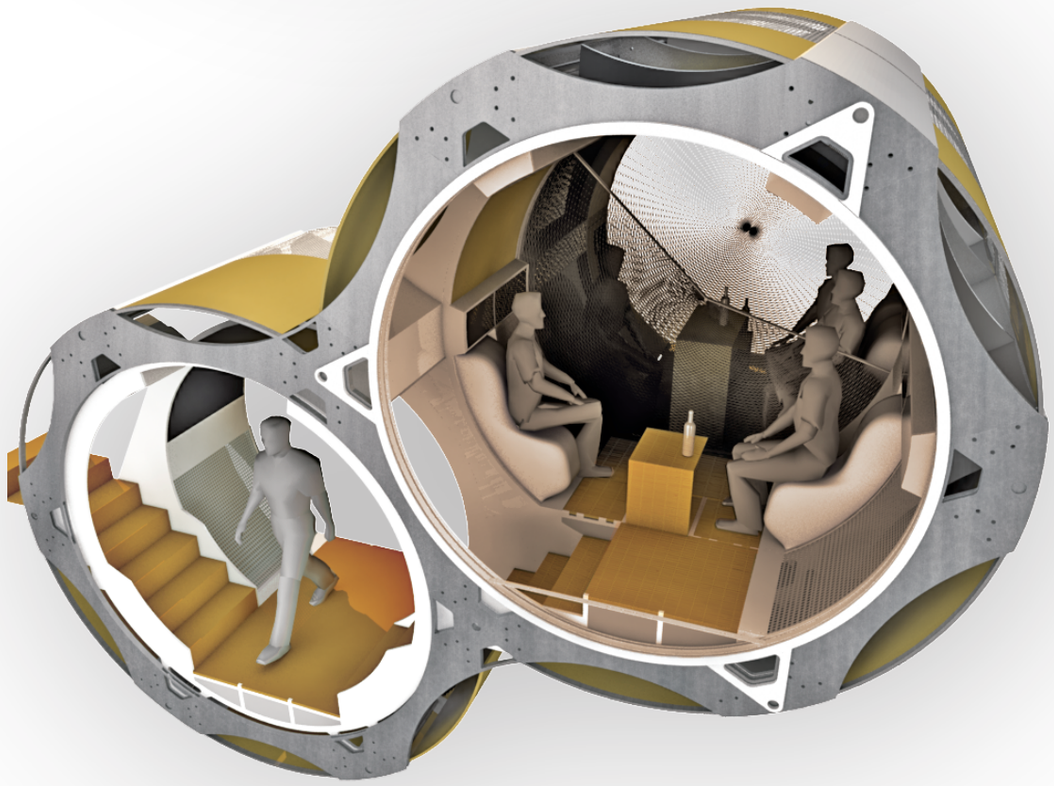
CASE_1_SOCIALIZING - SINGLE





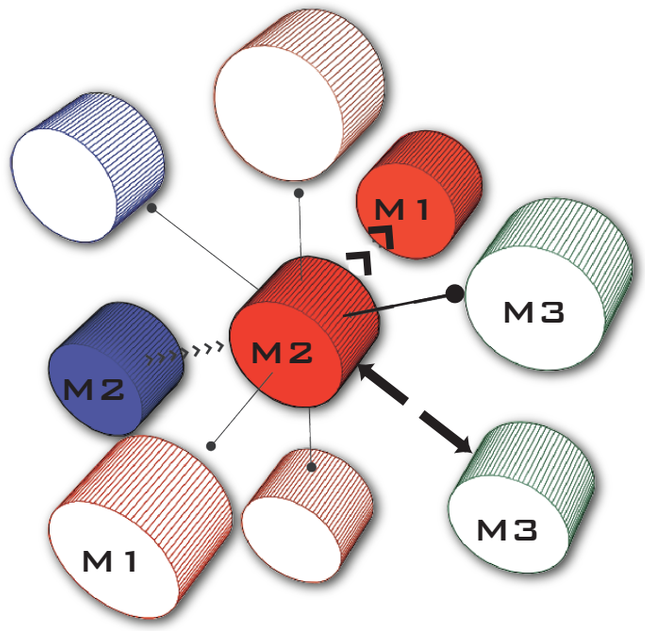
[M2] [M1] VISUAL CONNECTION

[M2] [M3] VISUAL CONNECTION



CASE_2_SOCIALIZING - UNION

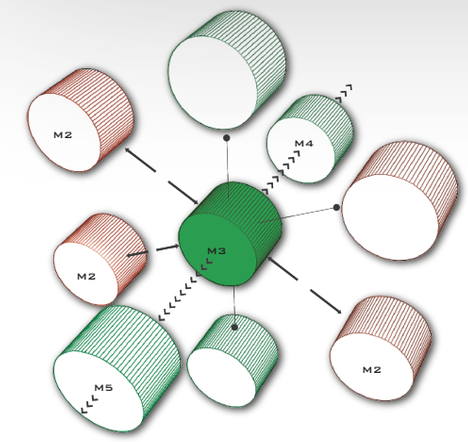
[M2] [M1] SPATIAL CONNECTION



[M2] [M3] VISUAL CONNECTION

[M2] [M3] BLOCKED CONNECTION

UNIT [M_3]



CONNECTION TYPES

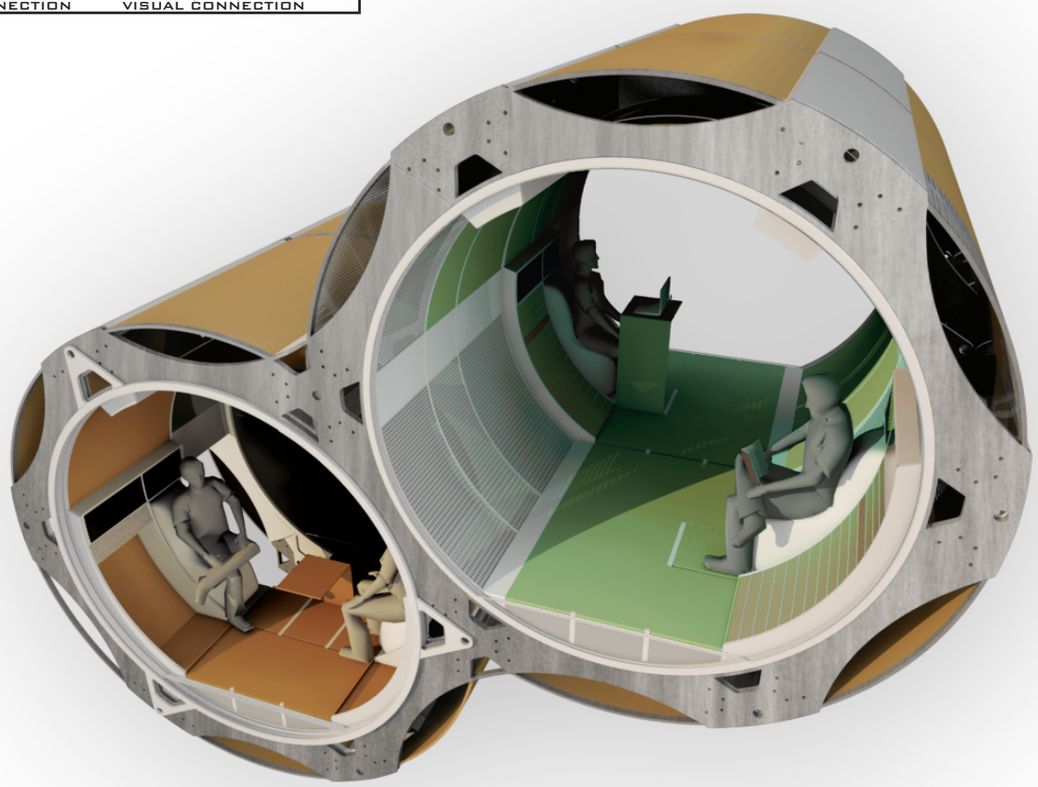
SPATIAL

VISUAL

BLOCKED

[M3] [M4] [M5] SPATIAL CONNECTION

[M3] [M2] VISUAL CONNECTION

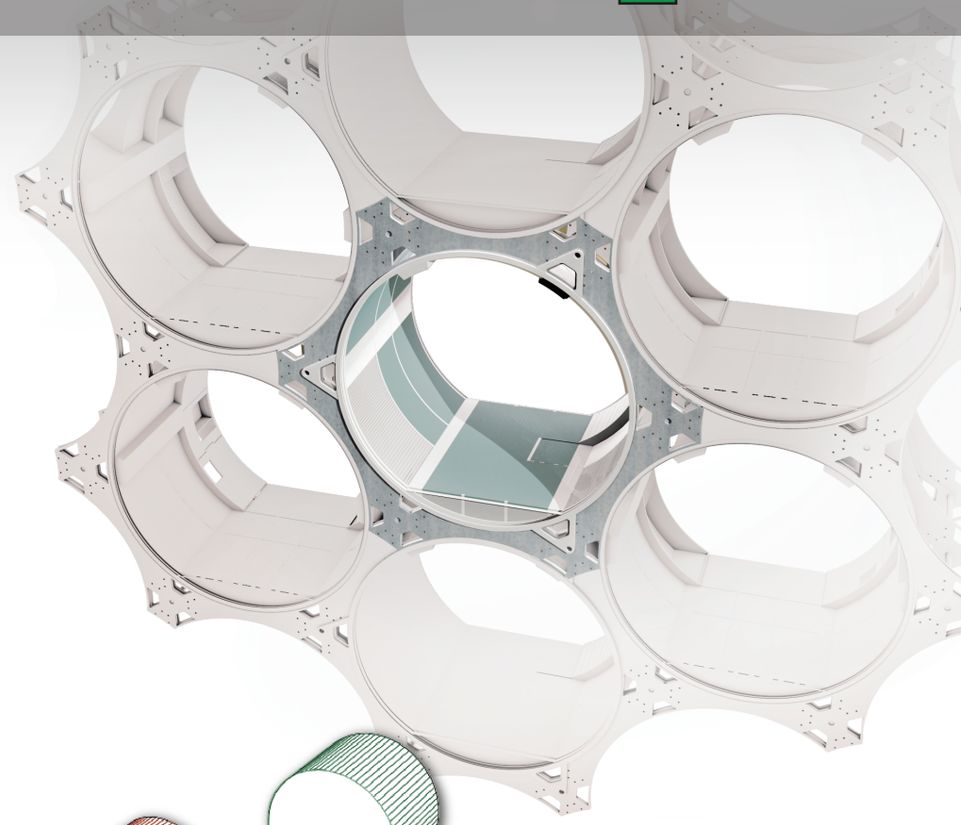


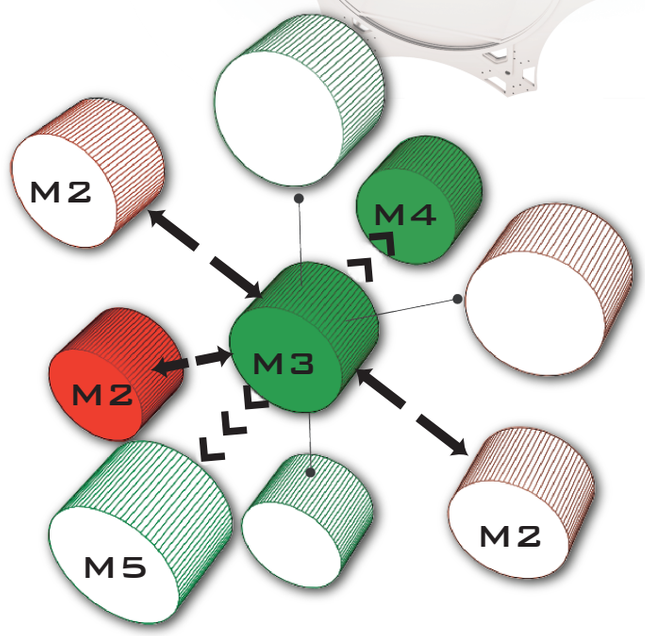
CASE_1_PUBLIC

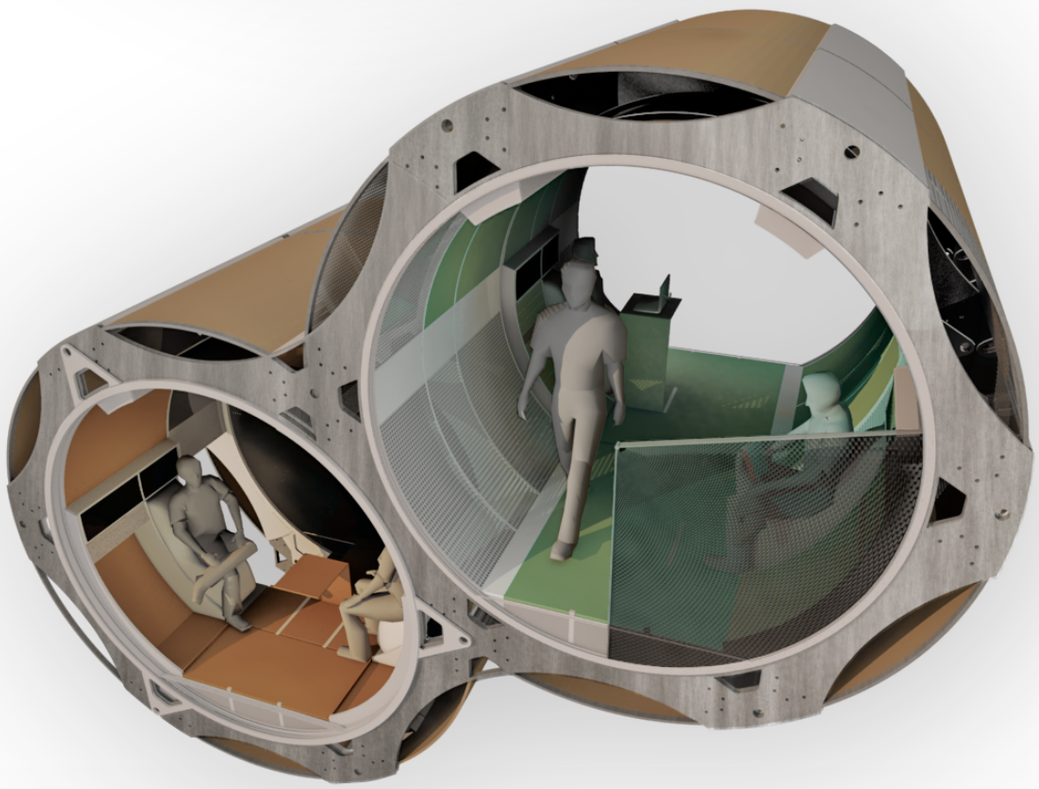
[M3] [M4] SPATIAL CONNECTION

[M3] [M5] SPATIAL CONNECTION

[M3] [M2] VISUAL CONNECTION





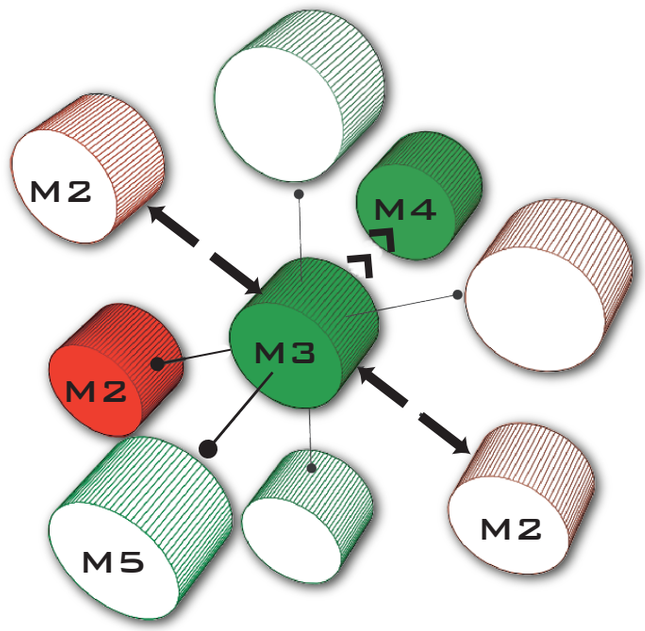


CASE_2_PRIVATE

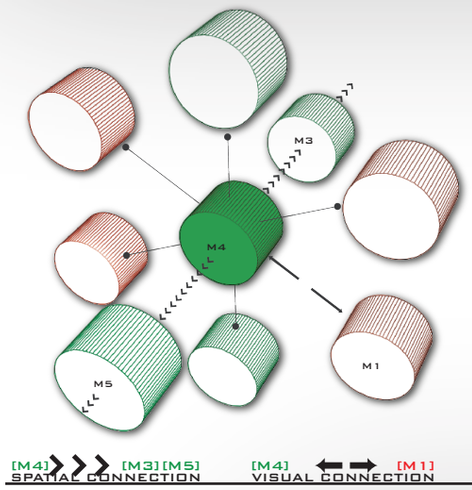
[M3] [M4] SPATIAL CONNECTION

[M3] [M5] BLOCKED CONNECTION

[M3] [M2] BLOCKED CONNECTION



UNIT [M_4]

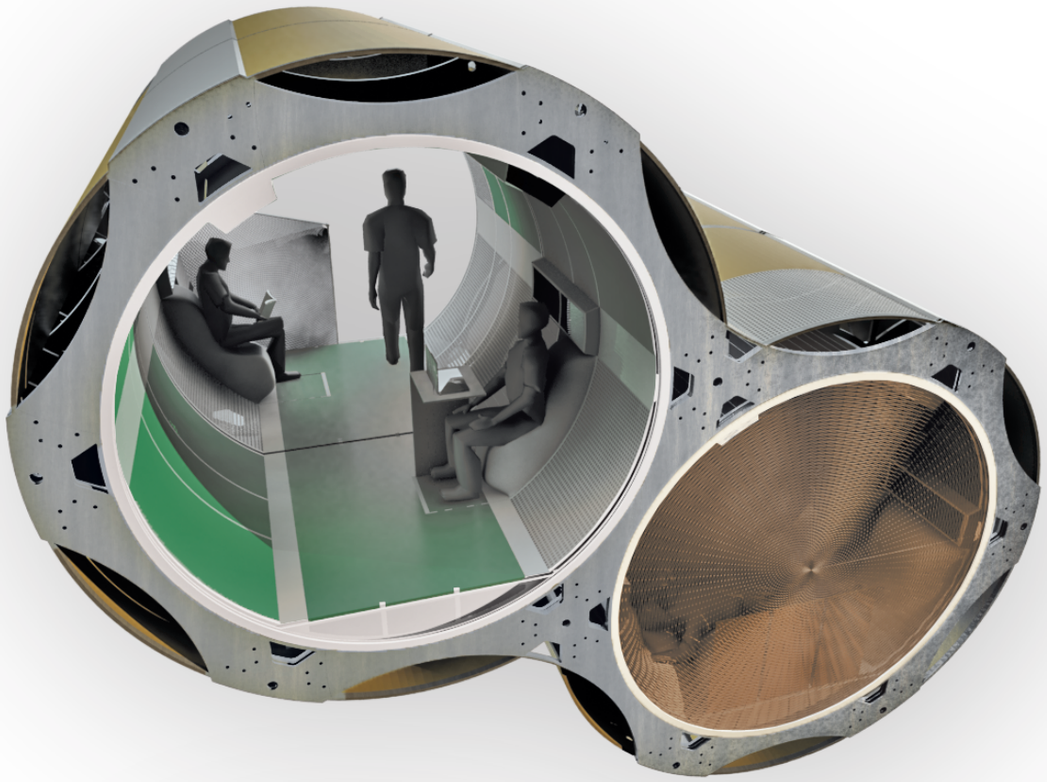


CONNECTION TYPES

SPATIAL

VISUAL

BLOCKED

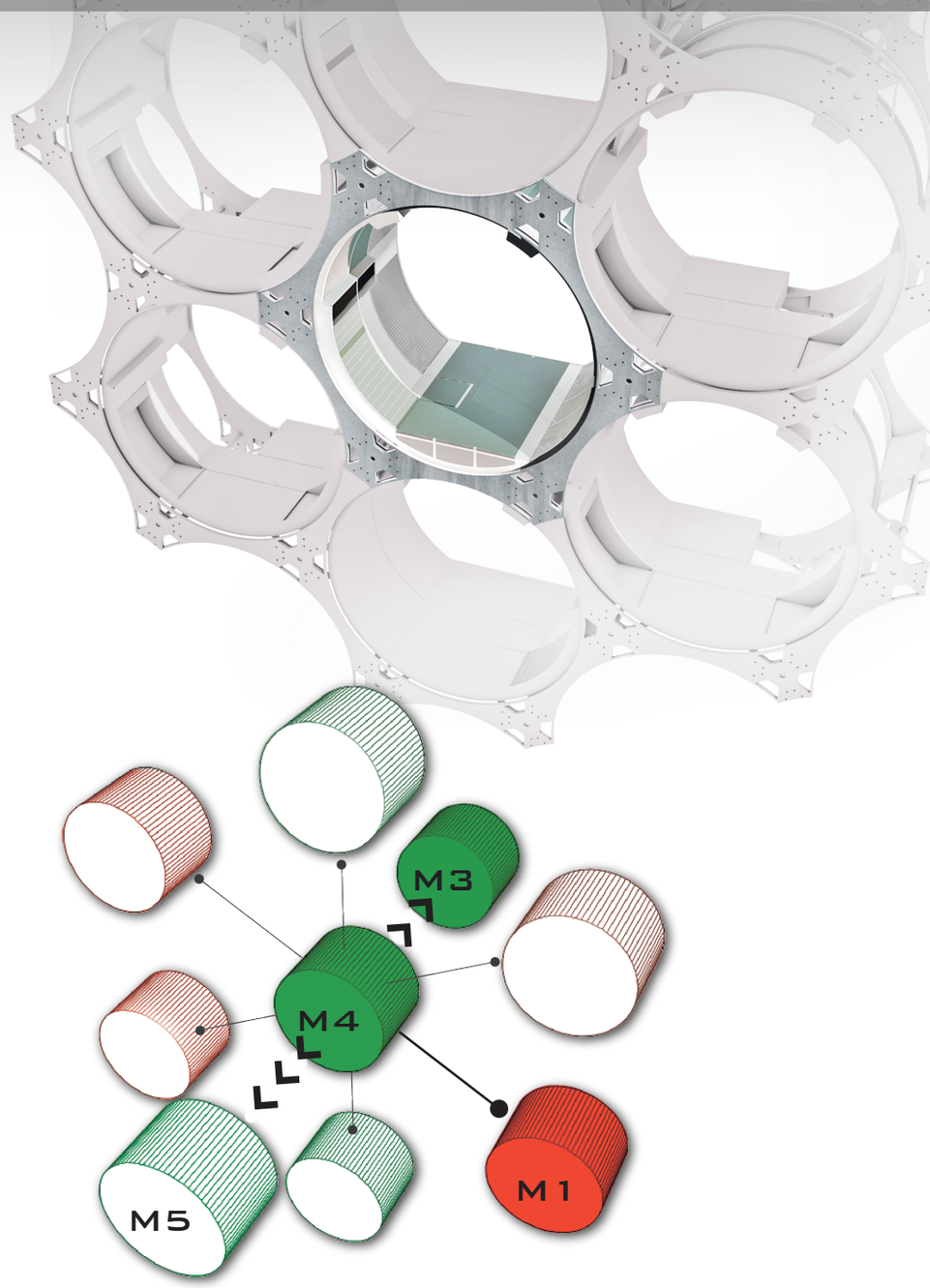


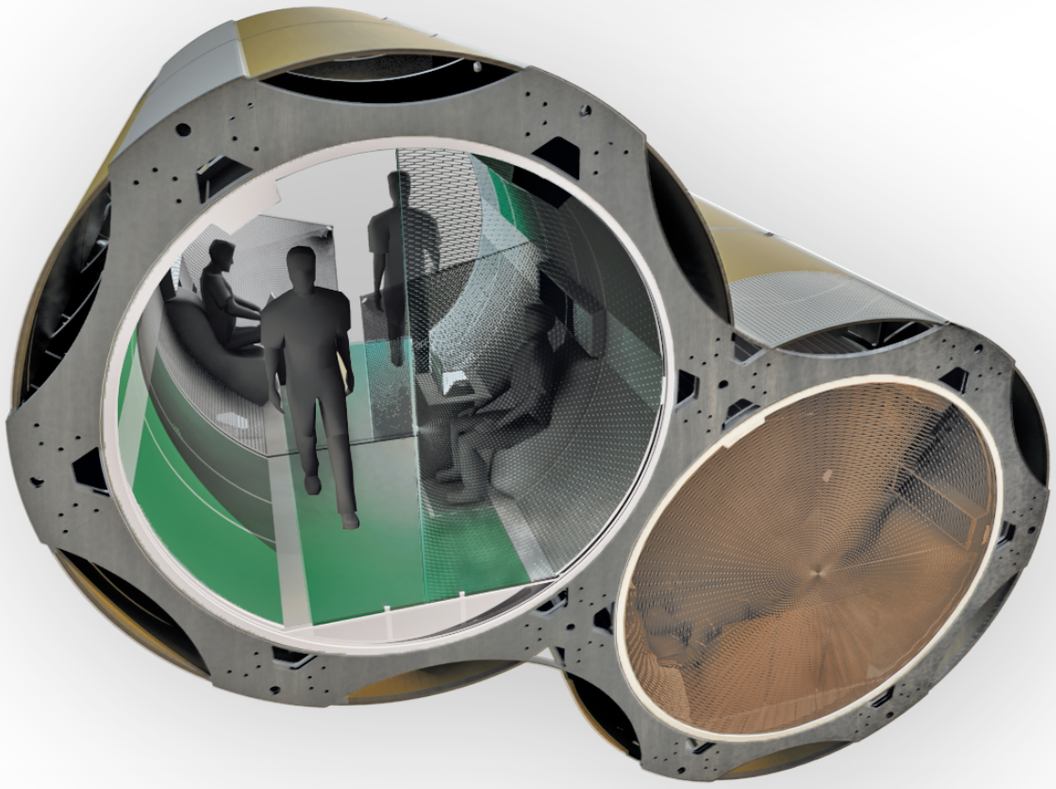
CASE_1_PUBLIC

[M4] [M3] SPATIAL CONNECTION

[M4] [M5] SPATIAL CONNECTION

[M4] [M1] BLOCKED CONNECTION



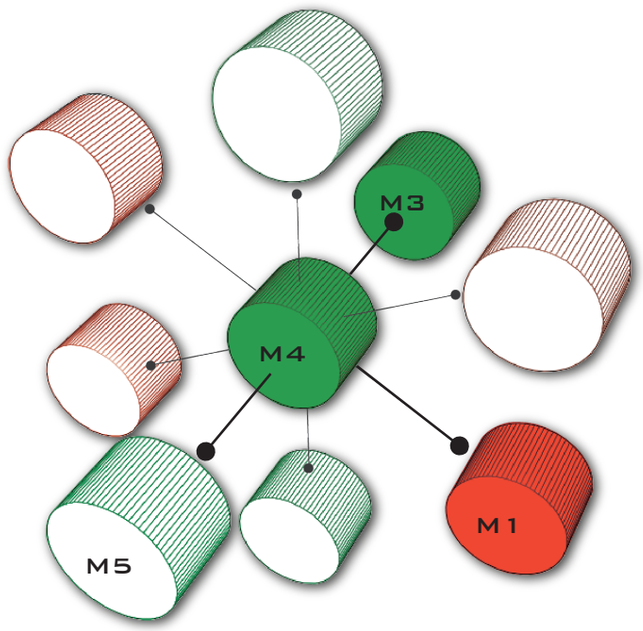


CASE_2_PRIVATE

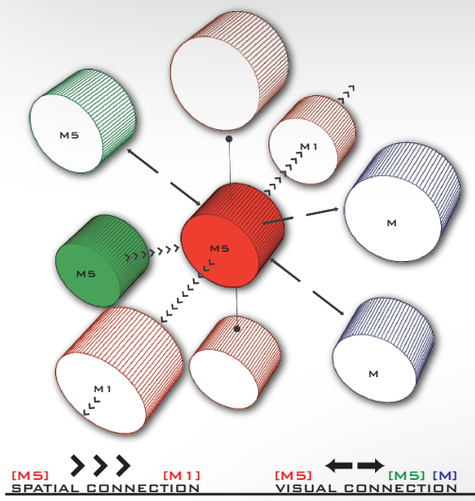
[M4] [M3] BLOCKED CONNECTION

[M4] [M5] BLOCKED CONNECTION

[M4] [M1] BLOCKED CONNECTION



UNIT [M_5]

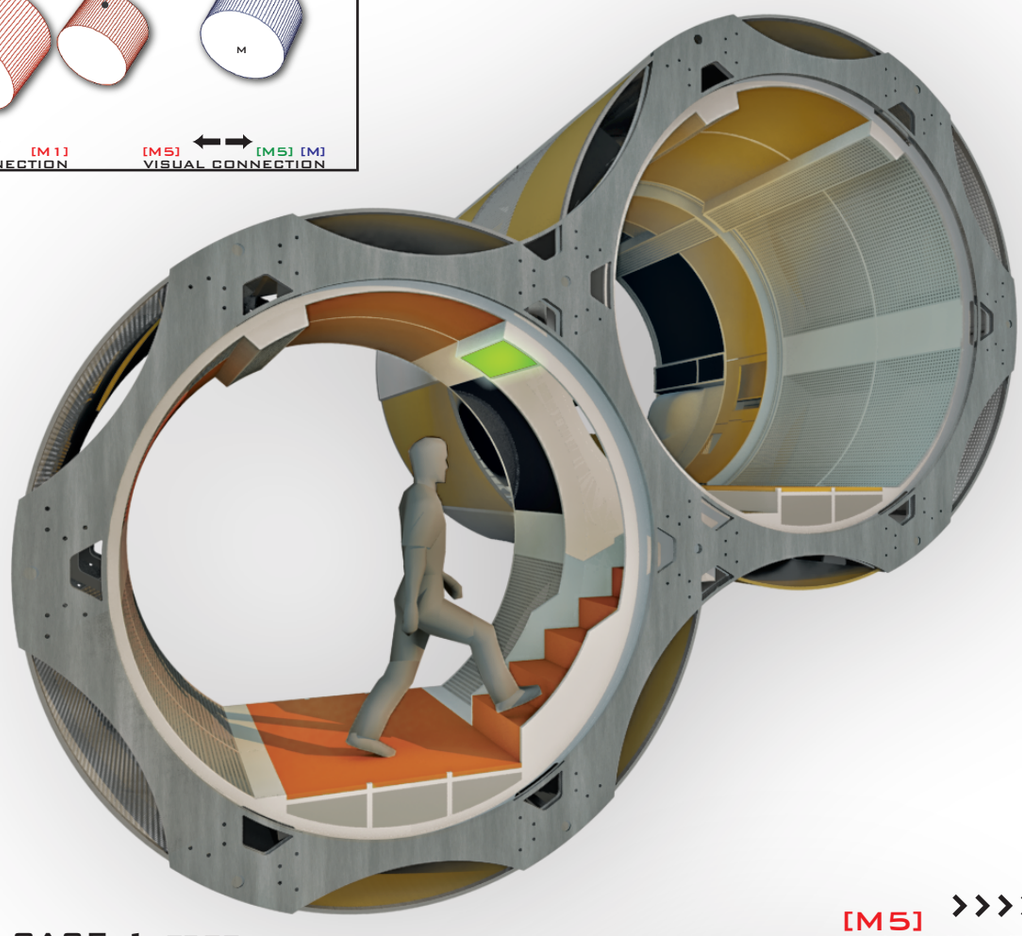


CONNECTION TYPES

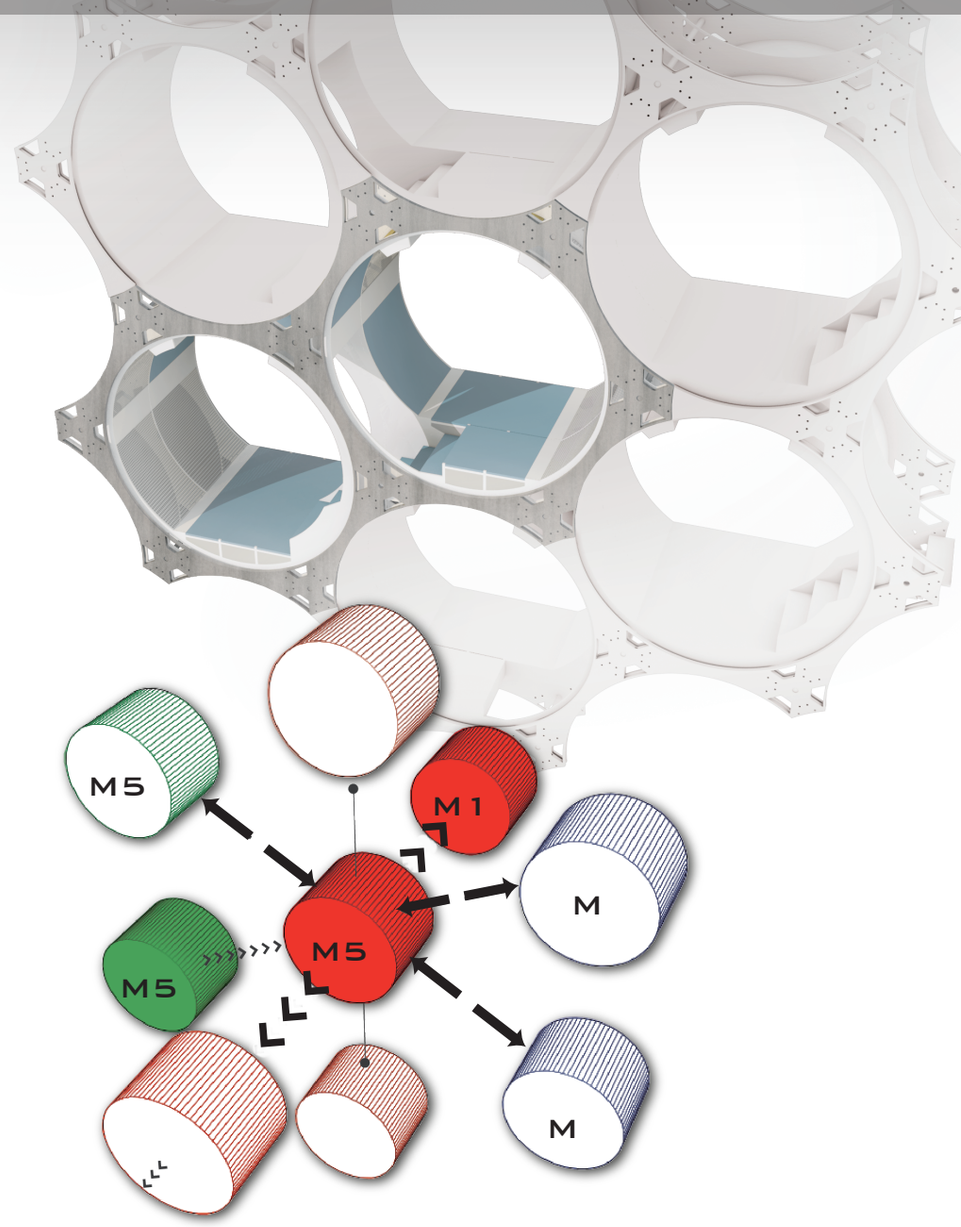
SPATIAL

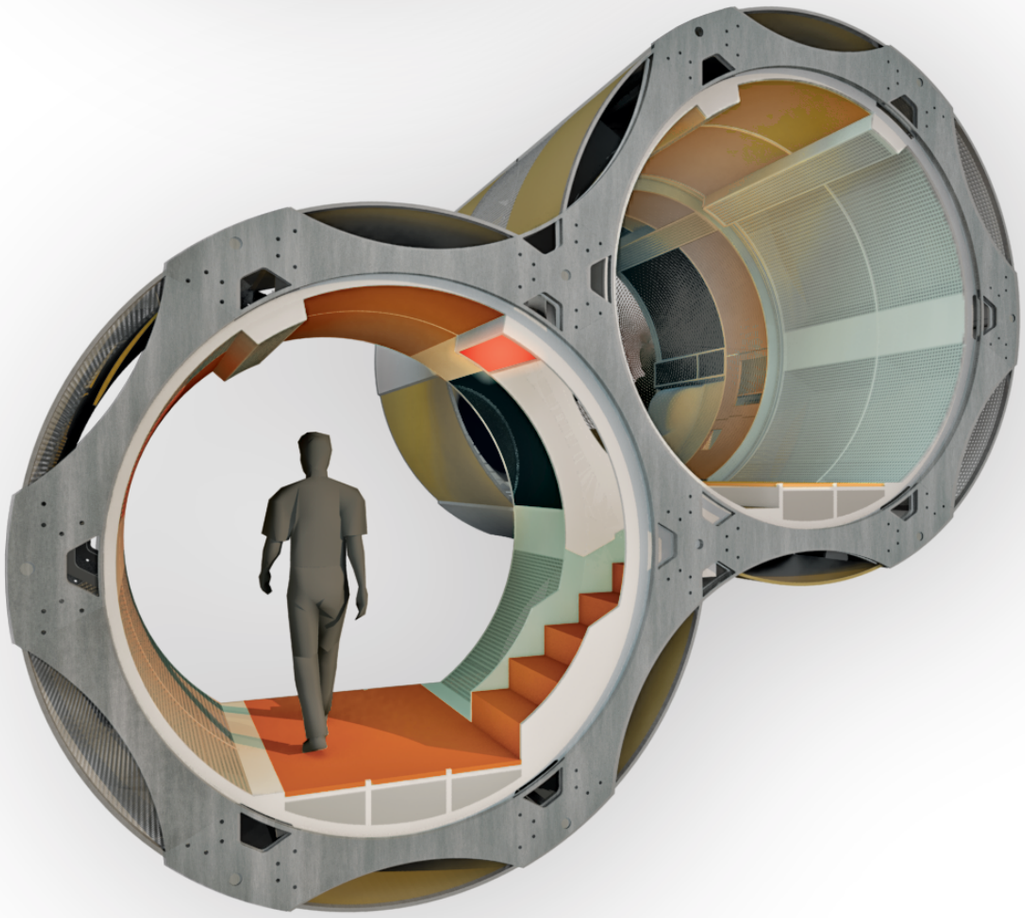
VISUAL

BLOCKED



CASE_1_FREE





CASE_2_OCCUPIED

