



P O R T F O L I O

INTERNATIONAL TENDER MANAGEMENT



C R E A T I N G A B E T T E R R E A L I T Y

ATI | Project

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PISA
MILAN
ROME
BELGRADE
ODENSE
COPENHAGEN
PARIS
GENEVA

^ PROFILE

Creating a better reality

Architecture, landscape and technology conceived as a source of inspiration and enrichment of everyday life.

ATI Project is an international firm specialized in **integrated design** in the field of architecture and engineering, committed to the development of **sustainable buildings** with a reduced environmental impact.

The studio was established in 2011 by **Branko Zrnic** and **Luca Serri**, founders dedicated to research in bioclimatic architecture and renewable energy.

In twelve years, the **team** has grown from **2 to 350 collaborators**.

The initial outline of the office is the same that still drives its growth today: a young, visionary, technological studio that

natively uses **BIM** to promote **multidisciplinarity**, as well as **innovation** and sustainability.

The complexity and number of projects reflect the **internationality** of the studio, which today, in addition to its headquarters in **Pisa**, has offices in **Milan, Rome, Belgrade, Odense, Paris, Copenhagen** and **Geneva**.



THE SUCCESS OF OUR
CLIENTS AND PARTNERS IS
OUR SUCCESS.





▲ HEALTHCARE

Nyt OUH University Hospital DP03 – DP04



LOCATION
Odense, Denmark

DIMENSIONS
160.000 sqm

TPOLOGY
Healthcare

BUDGET
€ 395 mln

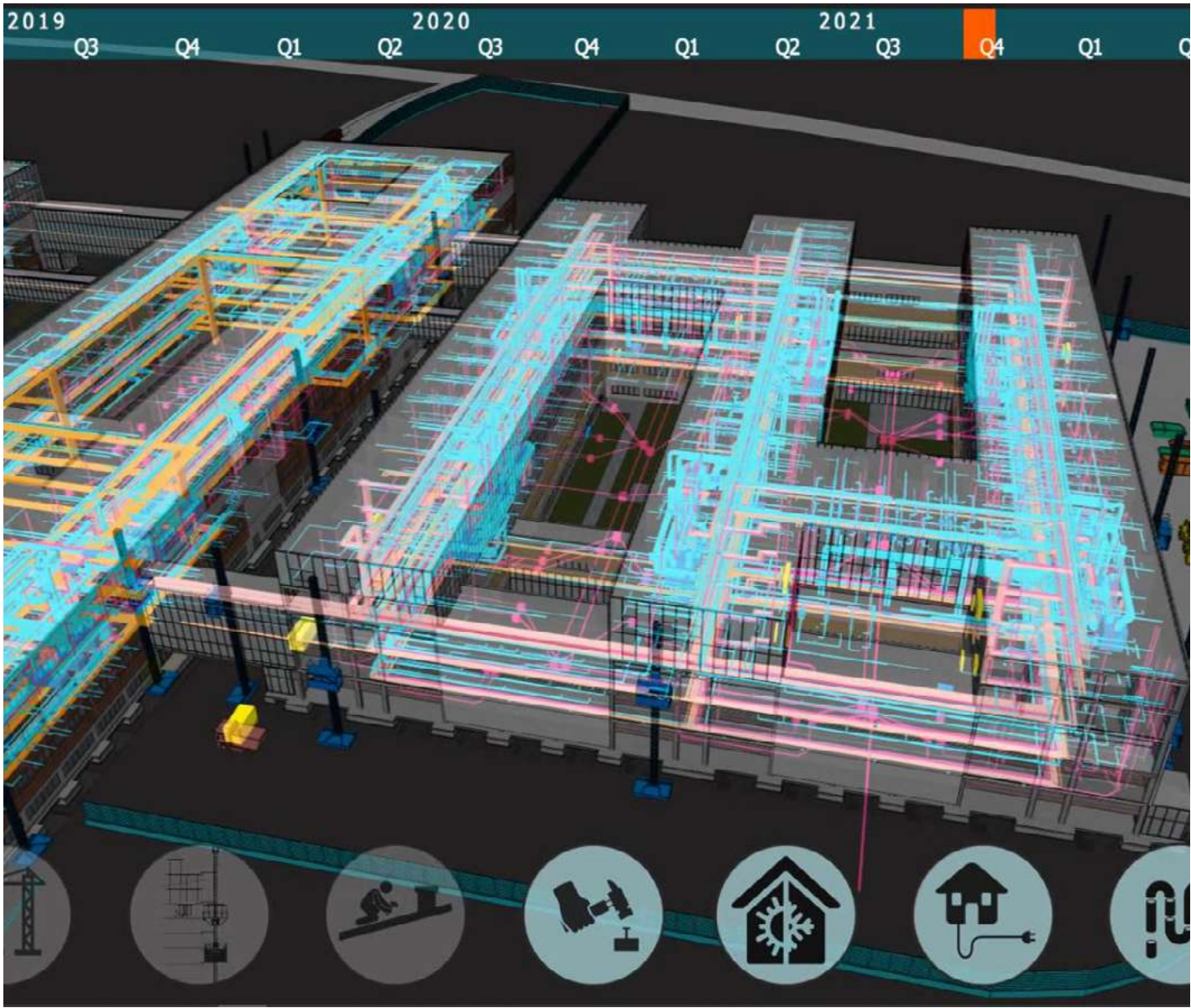
TENDER YEAR
2017

ACTIVITIES
Tender management support

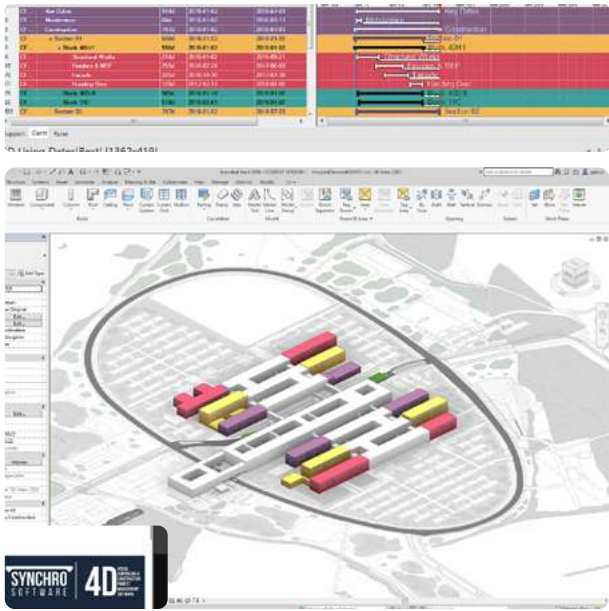
CLIENTS
JV (CMB+ITINERA)

CURRENT STATUS
Under costruction

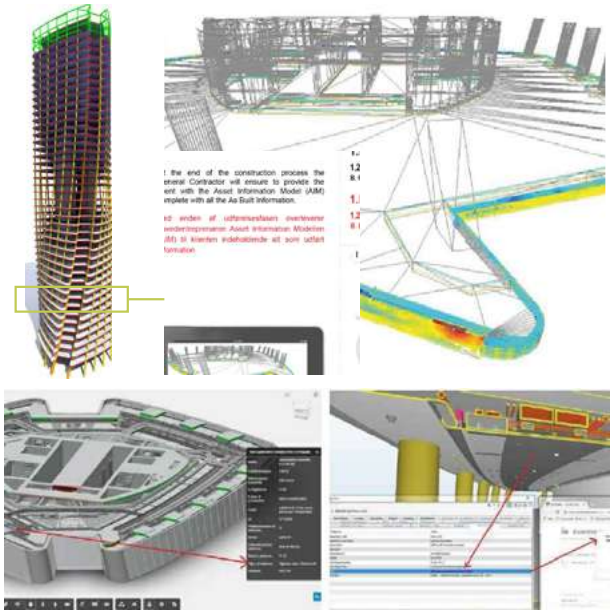




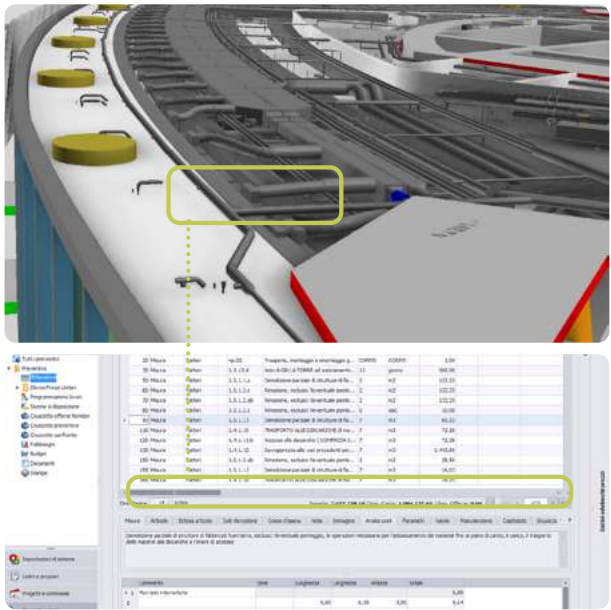
TIME CONTROL



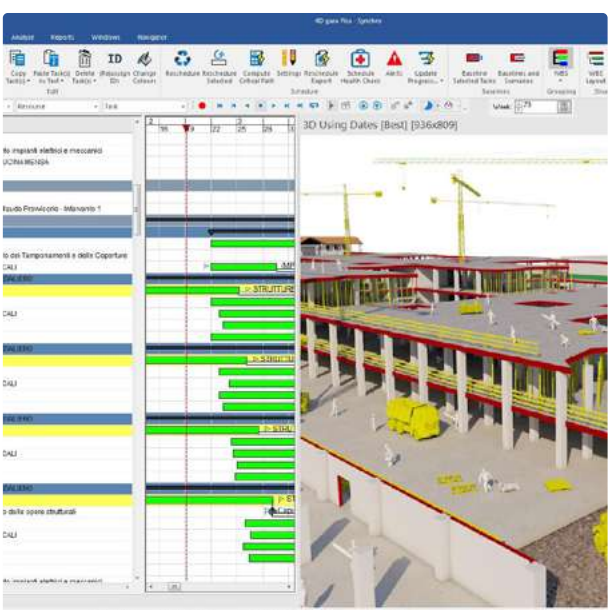
QUALITY CONTROL



CONTROLLO COSTI



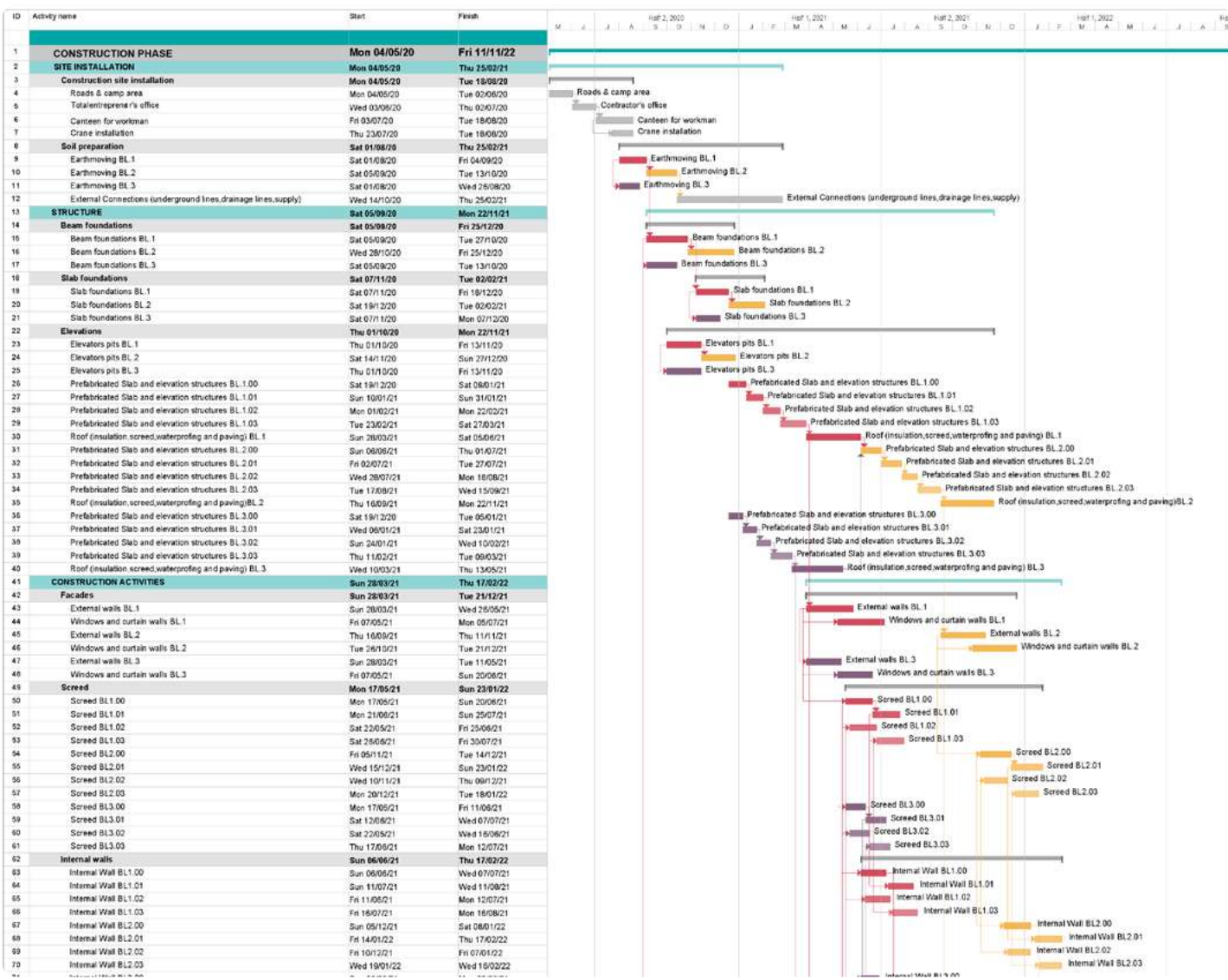
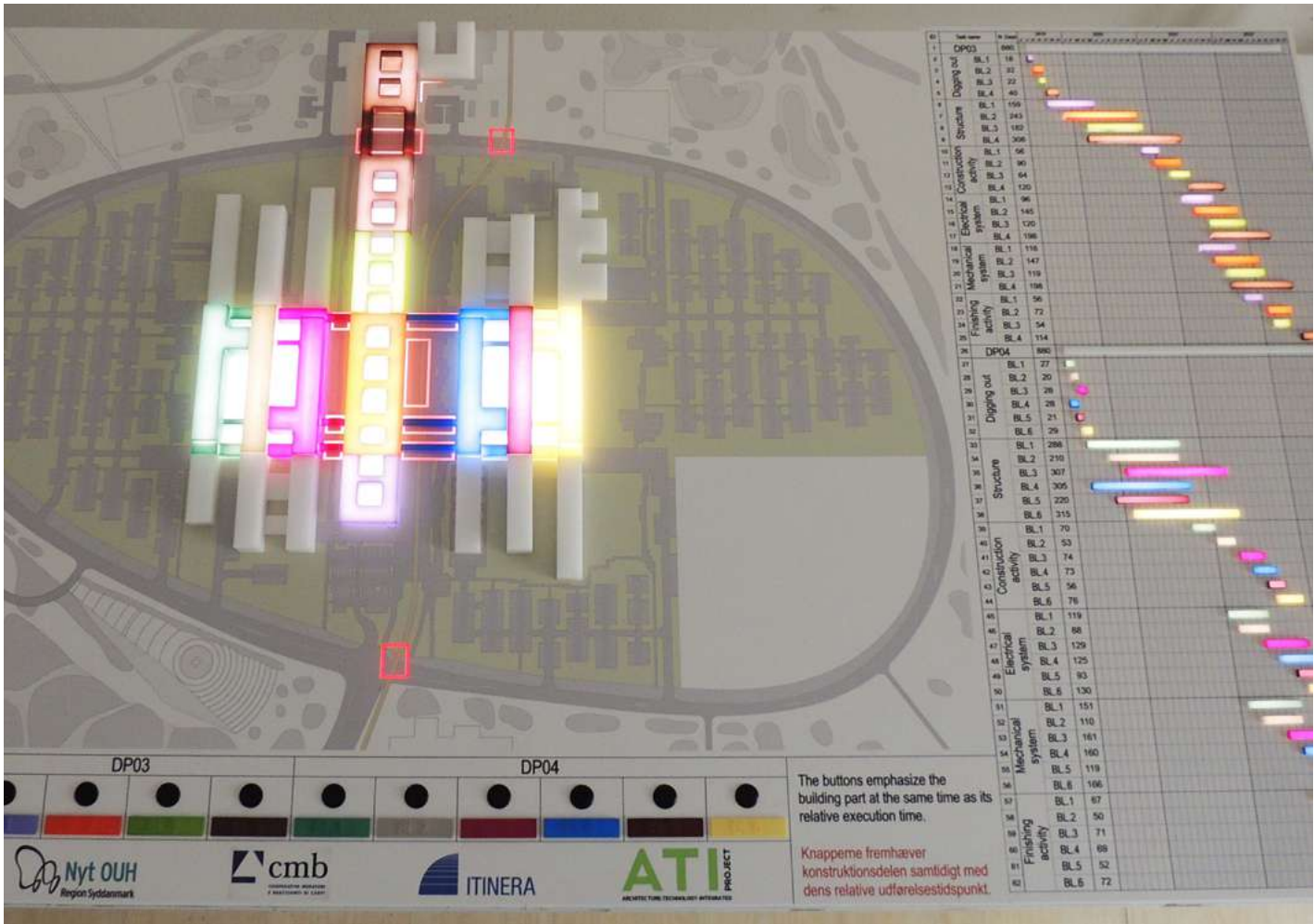
CONTROLLO SICUREZZA



01 BIM Management



- Bim Execution Plan
- Time Control through BIM 4D
- Cost Control through BIM 5D
- Clash Detections and Code Checkings
- Quality Control through laser scanning
- Construction Site management through BIM Field



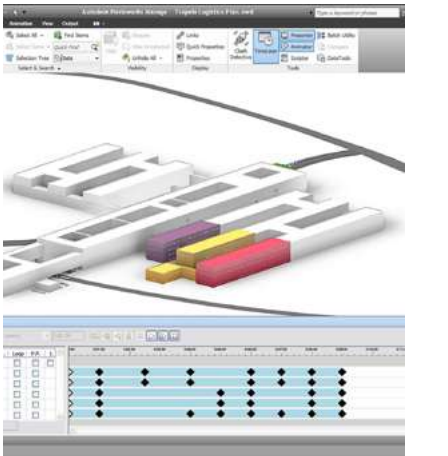
PHASE 1



PHASE 2



PHASE 3



02

Time Schedule

- Gantt Diagrams
- Resource Breakdown Structure (RBS)
- Procurement Planning
- Work Breakdown Structure (WBS)
- Organization Breakdown Structure (OBS)
- Critical Path
- Delay Management



HEALTHCARE

Nyt OUH University Hospital DP 05-06-07-08

LOCATION
Odense, Denmark

DIMENSIONS
100.000 sqm

TPOLOGY
Healthcare

BUDGET
€ 205 mln

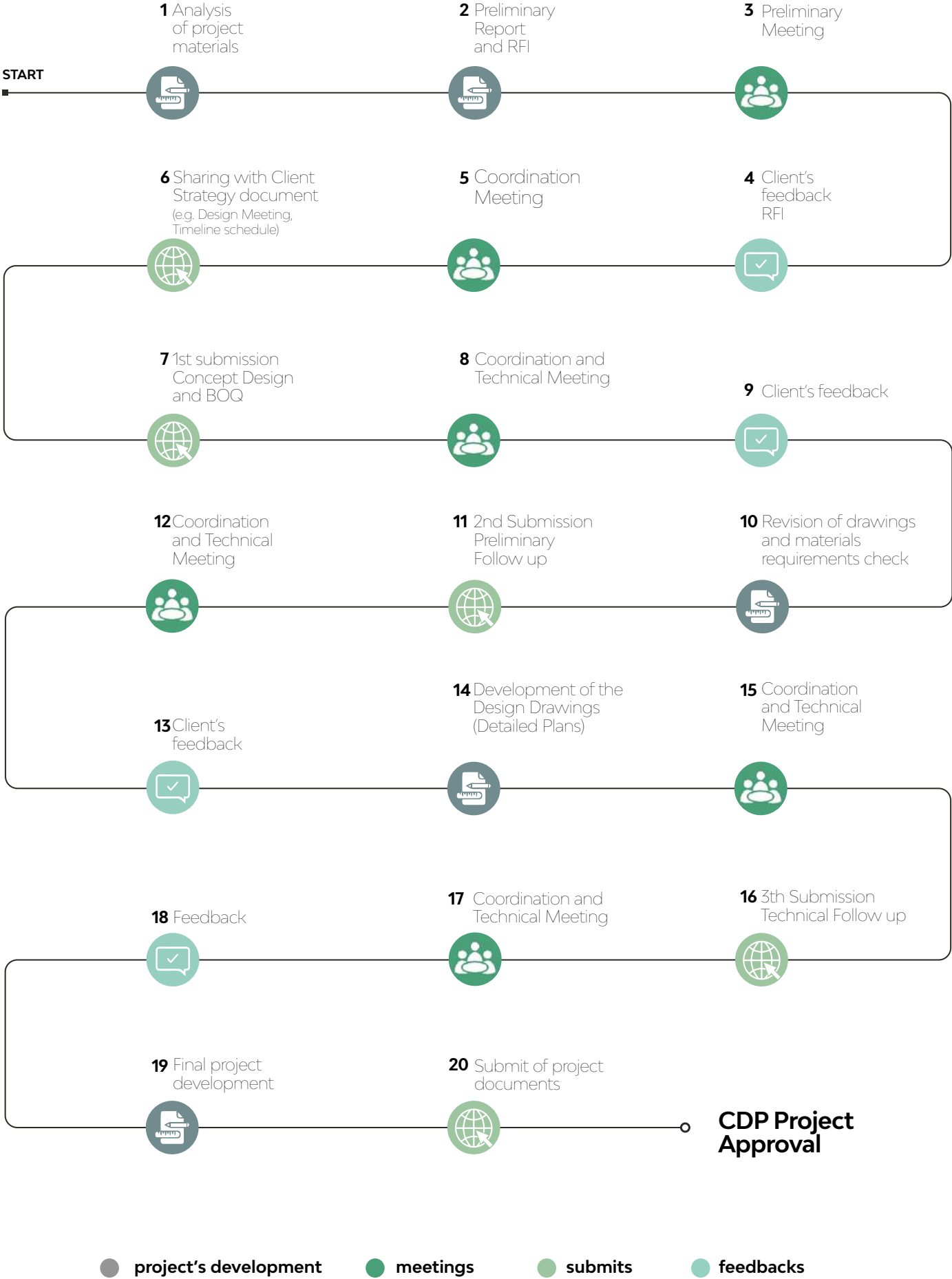
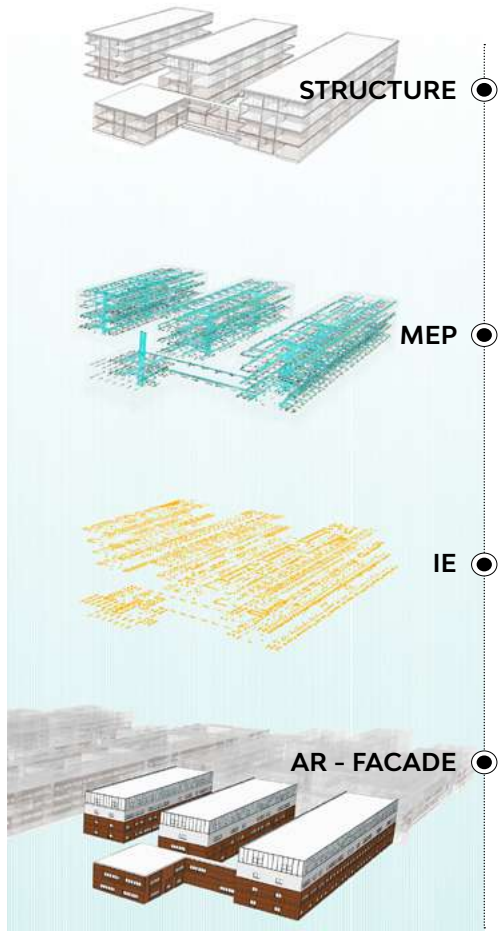
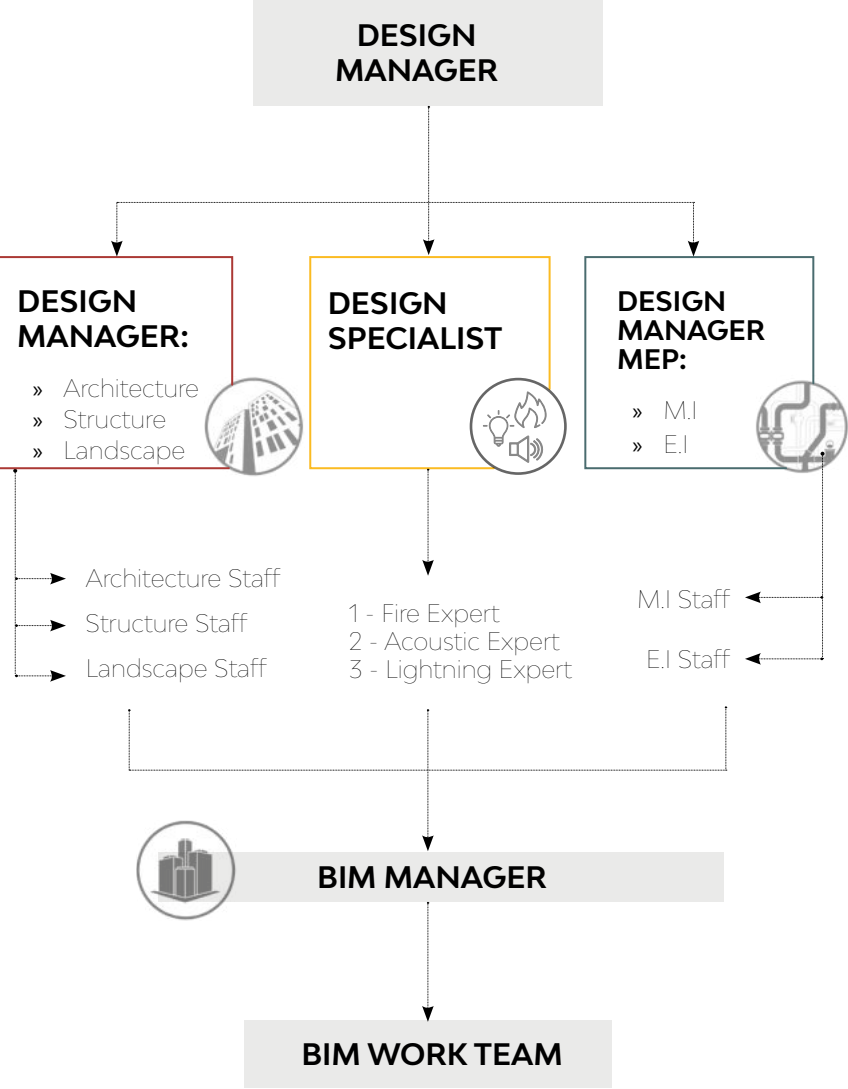
TENDER YEAR
2018

ACTIVITIES
Tender management support

CLIENTS
JV (CMB+ITINERA)

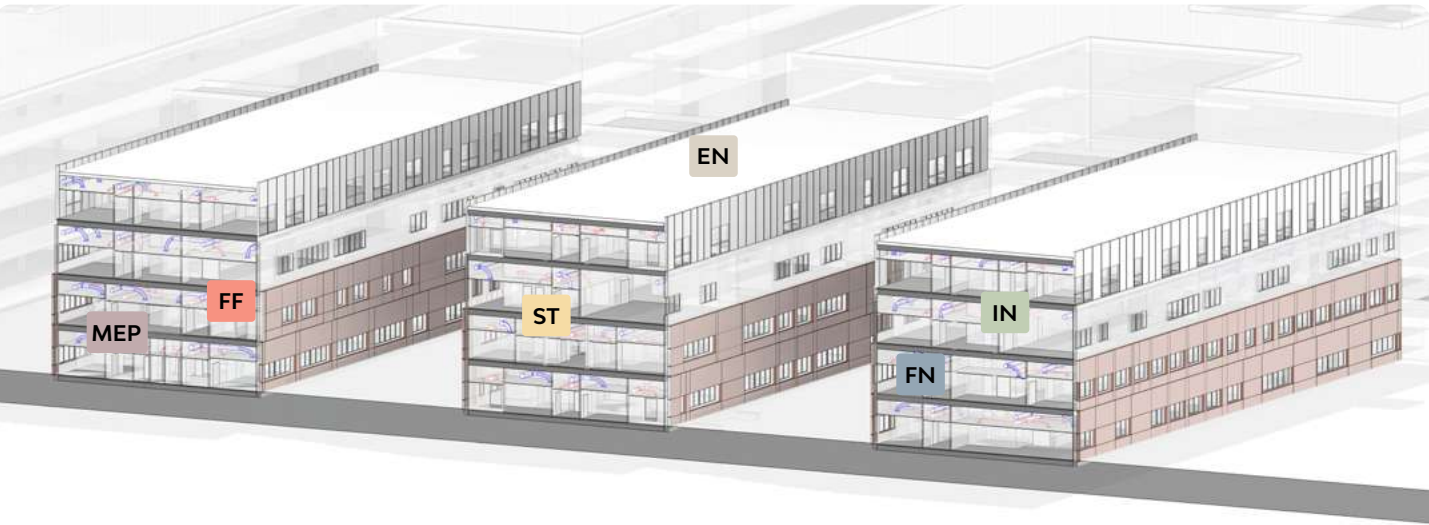
CURRENT STATUS
Under costruction



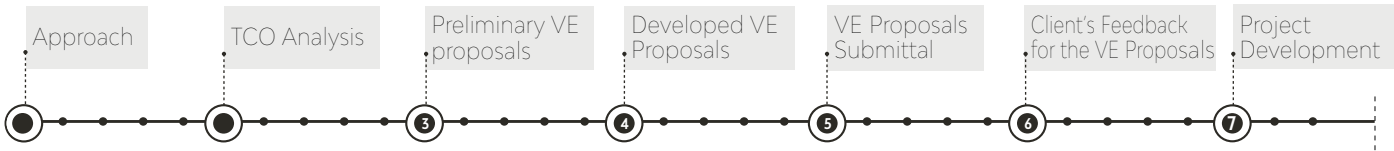


01 Design process organization

- Organizational Chart and Key figures
- Submission Plan
- Document Managaement
- Communication Plan
- Reporting System
- Information Technooogy tool

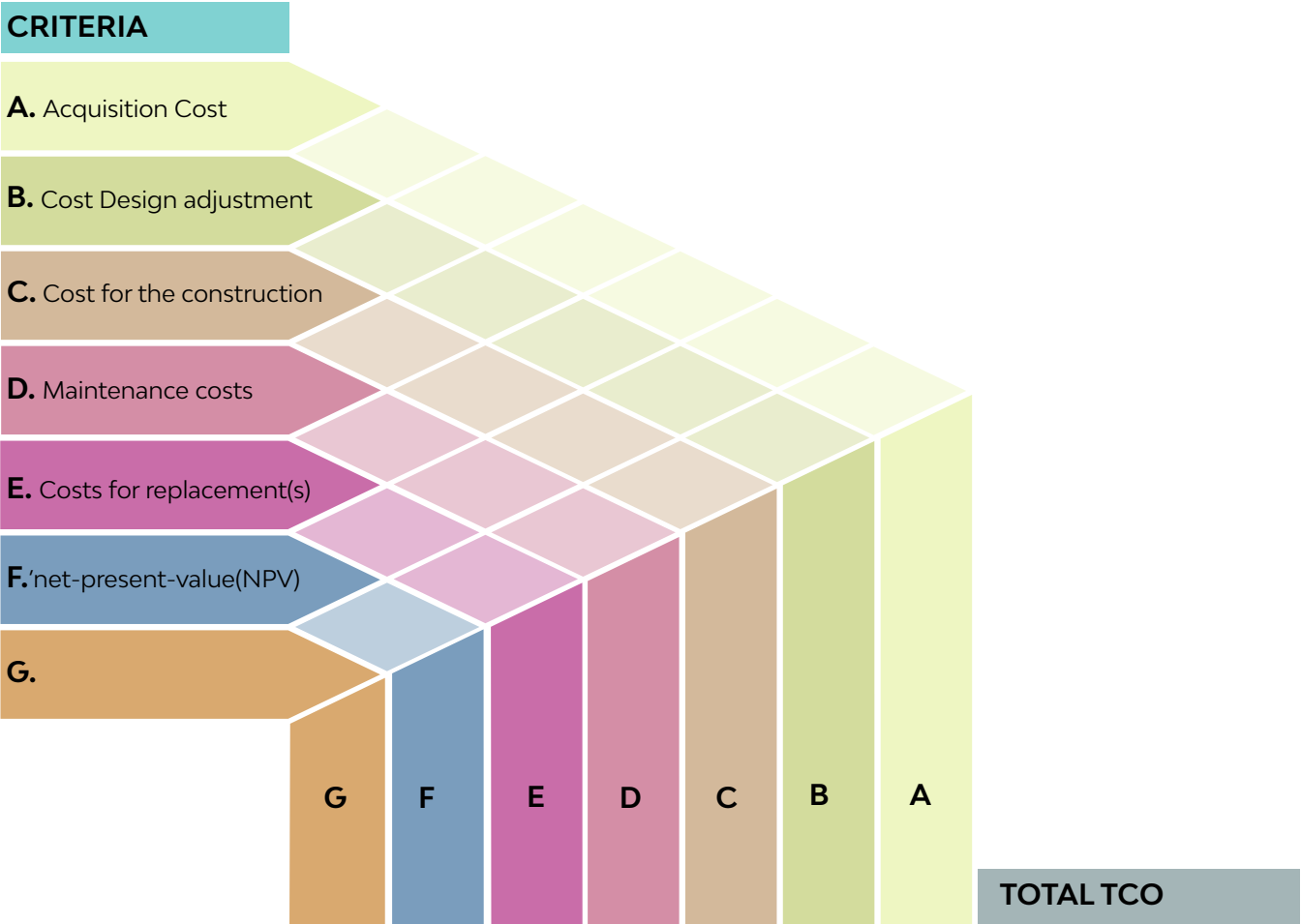


VE PROPOSALS LIST _ FORMAT									
Code	Category	VE solution description	Technical specification ORIGINAL SOLUTION	Technical specification VE SOLUTION	TCO ORIGINAL SOLUTION	TCO VE SOLUTION	Client's feedback		
							Y	N	I
ST	Structures								
EN	Envelope								
IN	Internal works								
FN	Finishes								
MEP	MEP								
FF	Fittings, Furnishings, etc								



VALUE ENGINEERING PROPOSALS

PROJECT: ☐ ARCHITECTURAL ☐ MECHANICAL ☐ STRUCTURAL ☐ OTHERS



1.Original Solution		14	14	11	4	4	40	87
2. Alternative n°1		14	14	7	8	6	50	99*
3. Alternative n°2		20	20	16	10	10	10	86
4.								

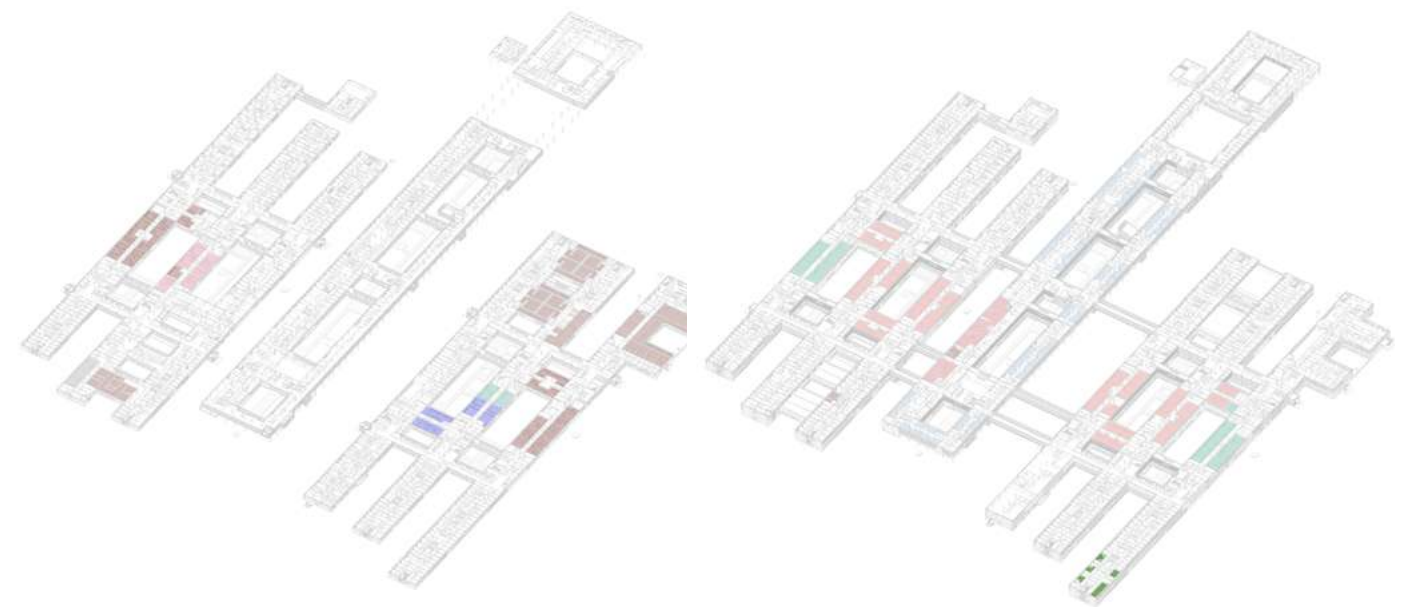
*Selected based on weighted evaluation

02 Value Engineering

- Value Engineering Strategy
 - Analysis of alternative
 - Value Engineering Check List
- VE Documentation
 - Time and costs impact evaluation
 - Project Update



Functional diagram



- FIRST FLOOR**

 - **DIAGNOSTIC IMAGING - 50:**
 - » 8 Accelerator
 - » 10 CT Scan
 - » 9 MR Scan
 - » 14 X-Ray Rooms
 - » 4 PET / CT
 - » 4 SPECT / CT
 - » 1 PET / MR
 - **ENDOSCOPY: 11**
 - **PRE / POST OPERATIVE: 13**
 - **OPERATING ROOMS: 65**
- GROUND FLOOR**

 - **INTENSIVE CARE UNIT: 68**
 - **PRE / POST OPERATIVE: 13**
 - **OPERATING ROOMS: 65**
 - **MAMMOGRAPHY: 6**



HEALTHCARE

Nyt OUH University Hospital DP 100 – Raw Rooms

LOCATION
Odense, Denmark

DIMENSIONS
100.000 sqm

TYPOLGY
Healthcare - 225 heavy equipment rooms
+ 350 secondary rooms

BUDGET
€ 205 mln

TENDER YEAR
2020

ACTIVITIES
Tender management support

CLIENTS
JV (CMB+ITINERA)

CURRENT STATUS
Under costruction

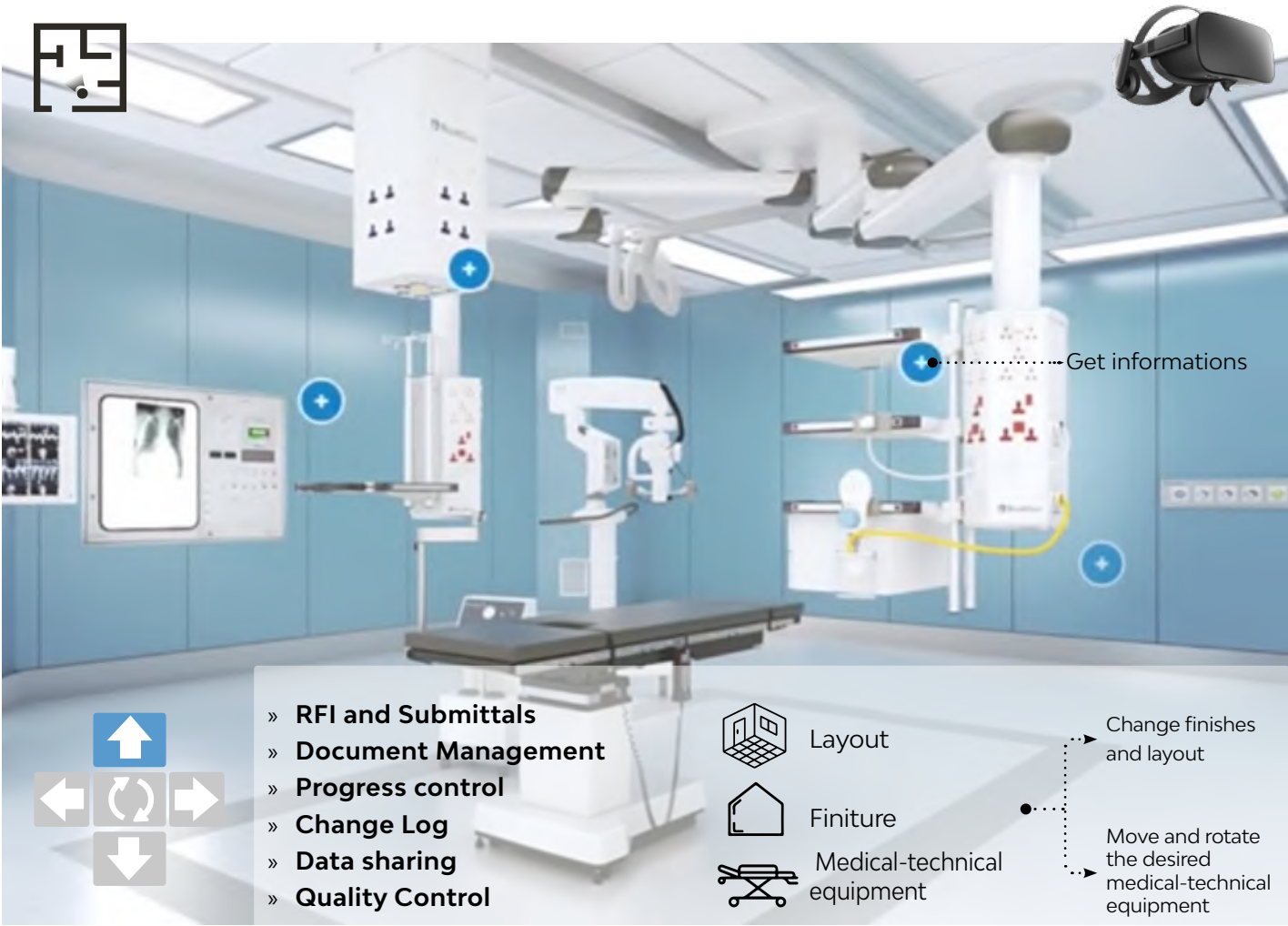
SUBCONTRACTORS' PROPOSALS EVALUATION

TECHNICAL SCORING CRITERIA			Subcontractor 1		Subcontractor 2		Subcontractor 3	
			Score (1-5)	TOTAL	Score (1-5)	TOTAL	Score (1-5)	TOTAL
1	Technical solution proposed	Technical solution details, project well analized, general solution proposed, qualification and optimization proposed	3	3,2	5	4,6	4	4,4
		Storage managing	3		4		4	
		Labelling system	3		4		5	
		Tracking and managing software	3		5		5	
		Packaging and move solution	4		5		4	
2	Level of experience in similar works	Pre-qualification requirements	Compliant	3	Compliant	5	Compliant	4
3	Previous experience	Previous experience and tested capacity to fulfill project requirements	Not directly	4	Not directly	3	Not directly	4
4	Time schedule	Compliance with execution times	2	2	3	3	4	4
5	Capacity to carry out the work	Compliance with technical specifications	4	3,5	5	4,5	5	5
		Level of technical assistance proposed	3		4		5	
6	References QA, Environment, etc	Quality issues proposal	2	2	4	3	4	4,5
		Environment high level proposal	2		2		5	
Total			2,95		3,85		4,32	
Technically validated			Y		Y		Y	

TECHNICAL EVALUATION SCORE

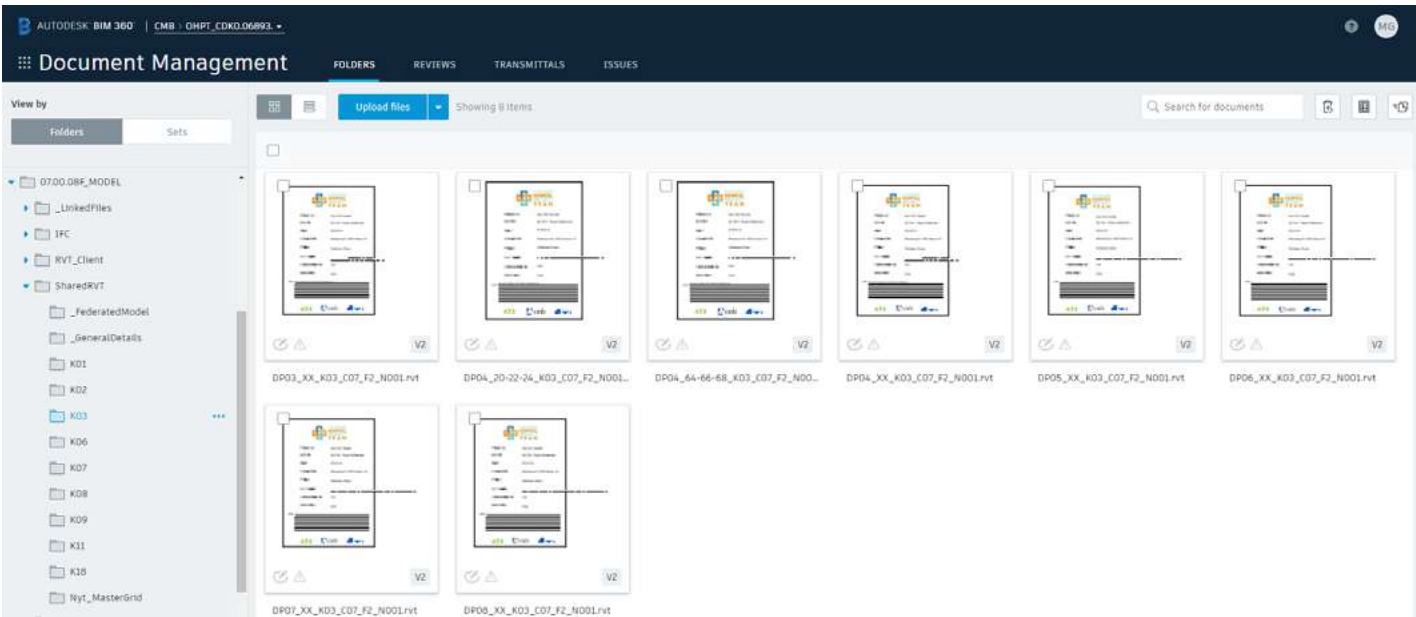
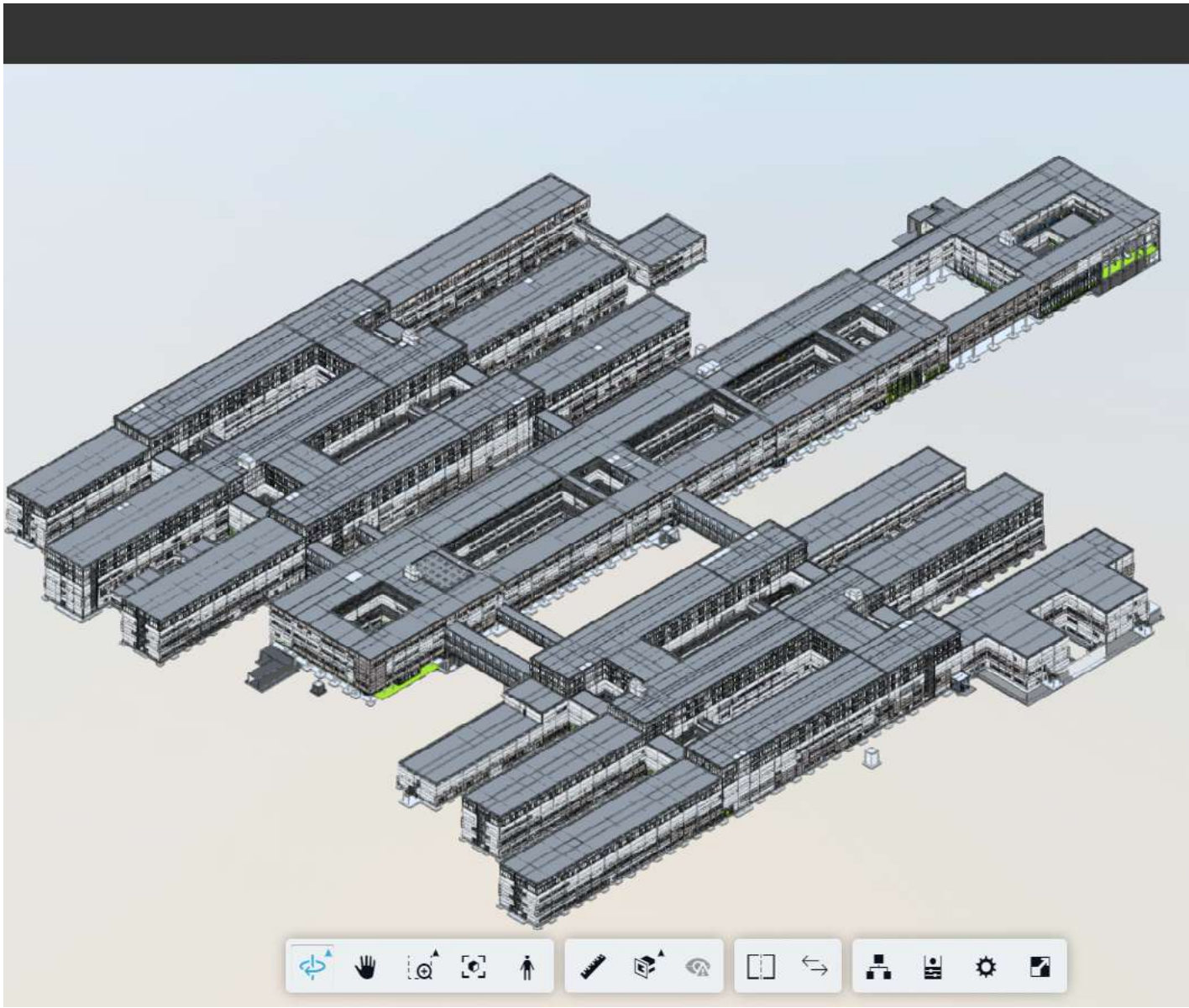
Recommended

5	Optimization	4	Compliant with requirements	3	To be agreed - so maybe compliant	2	Deviation to be discussed	0	Deviation - not acceptable
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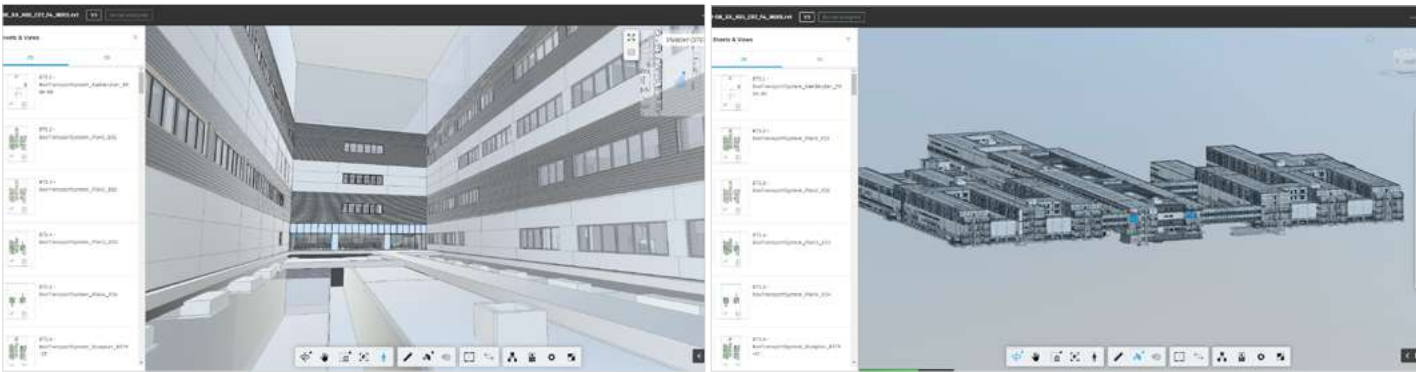


01 Procurement

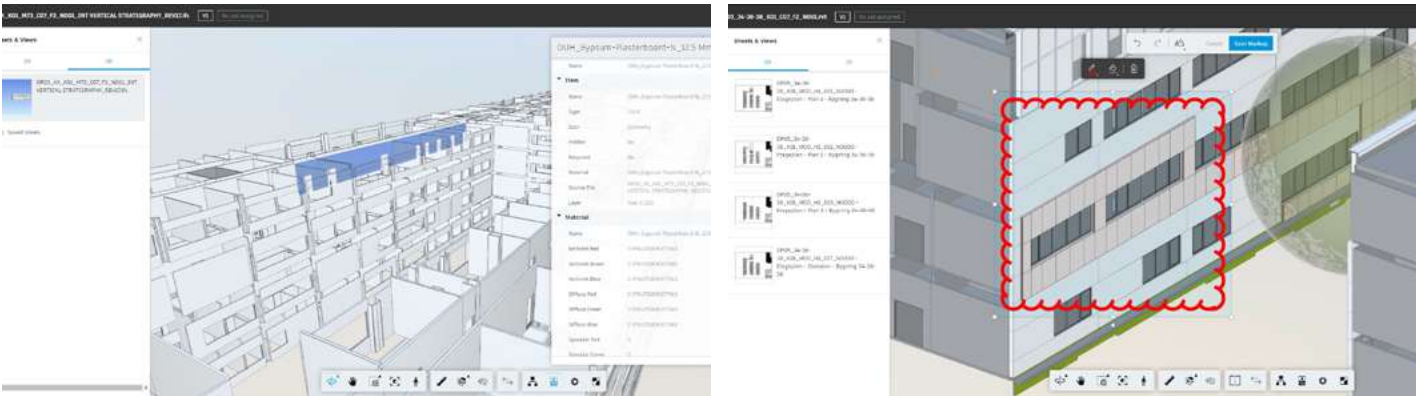
- Procurement Strategy
- Subcontractors/Suppliers management
- Procurement Plan
- Communication Plan
- Tenders Management
- Mock up and Virtual Reality



Organize, distribute, and share files across the project with a single, cloud-based document management platform



The entire team has access to the drawings, models, and documents



Connect workflows to improve quality control

Quickly resolve quality-related problems

02

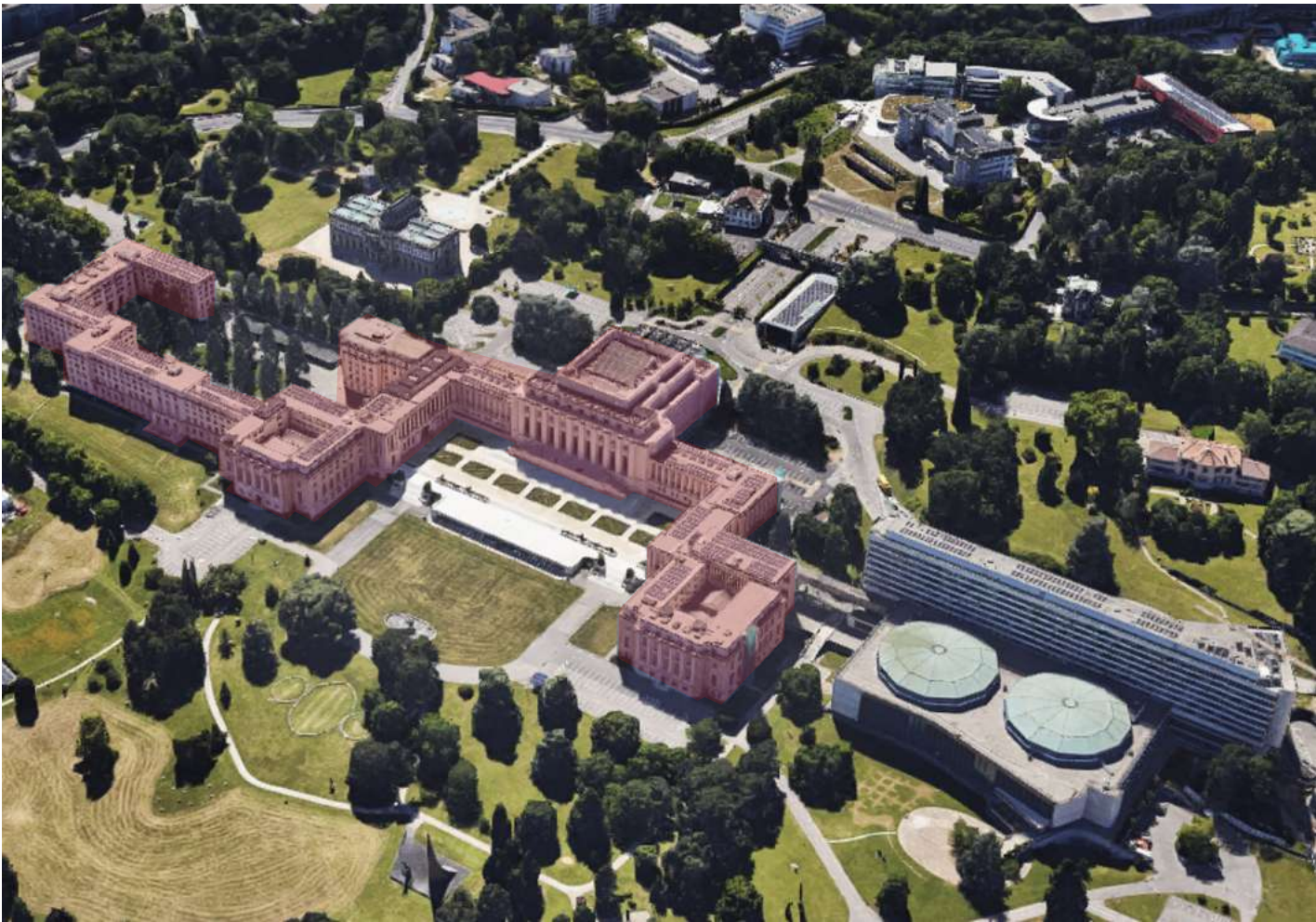
Common data enviroment (CDE)

- RFI and Submittals
- Document Management
- Progress control

- Change Log
- Data sharing
- Quality Control

22 | ATI Project | Portfolio | Tender Management

Tender Management | Portfolio | ATI Project | 23



^ OFFICE

United Nations Office at Geneva (A / AB / AC / B / C / D / E / S)

LOCATION
Geneva, Switzerland

TPOLOGY
Office

TENDER YEAR
2019

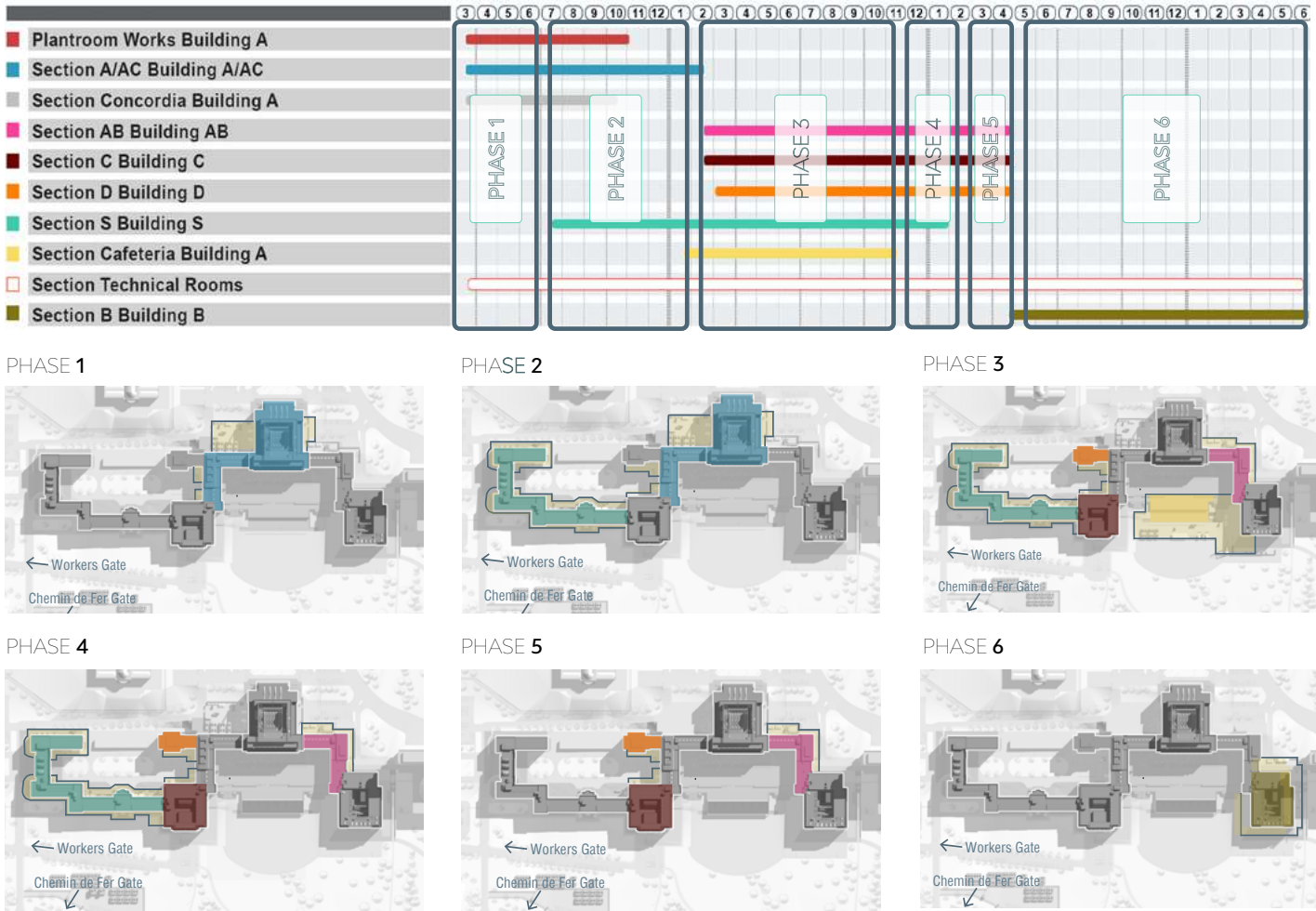
CLIENTS
JV (Cmb + Italiana Costruzioni + Csc)

DIMENSIONS
170.000 sqm

BUDGET
€ 240 mln

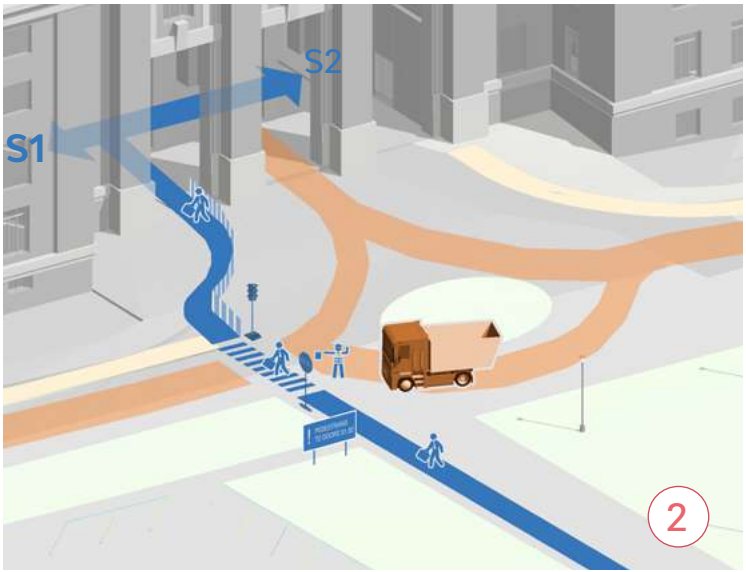
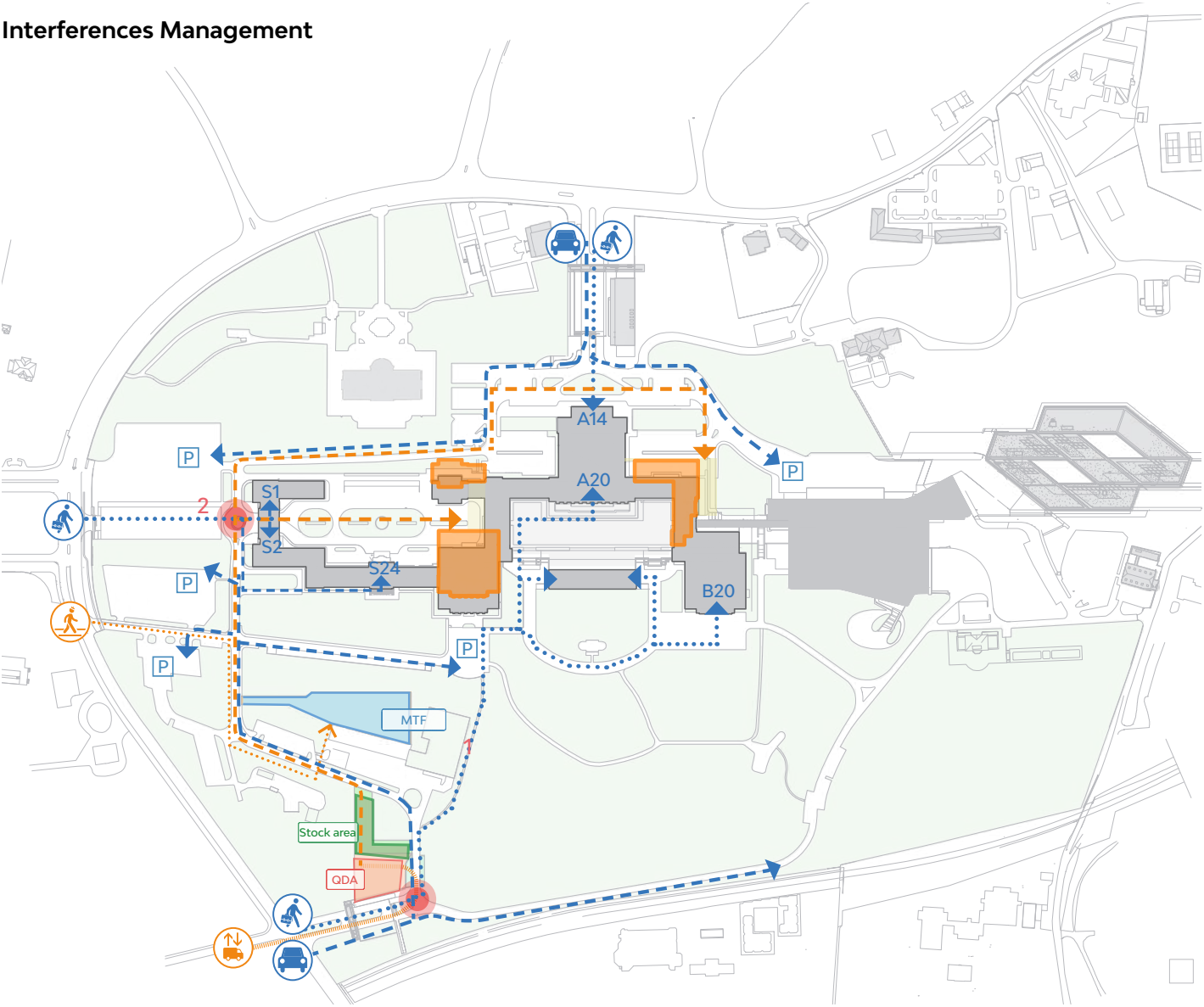
ACTIVITIES
Tender management support

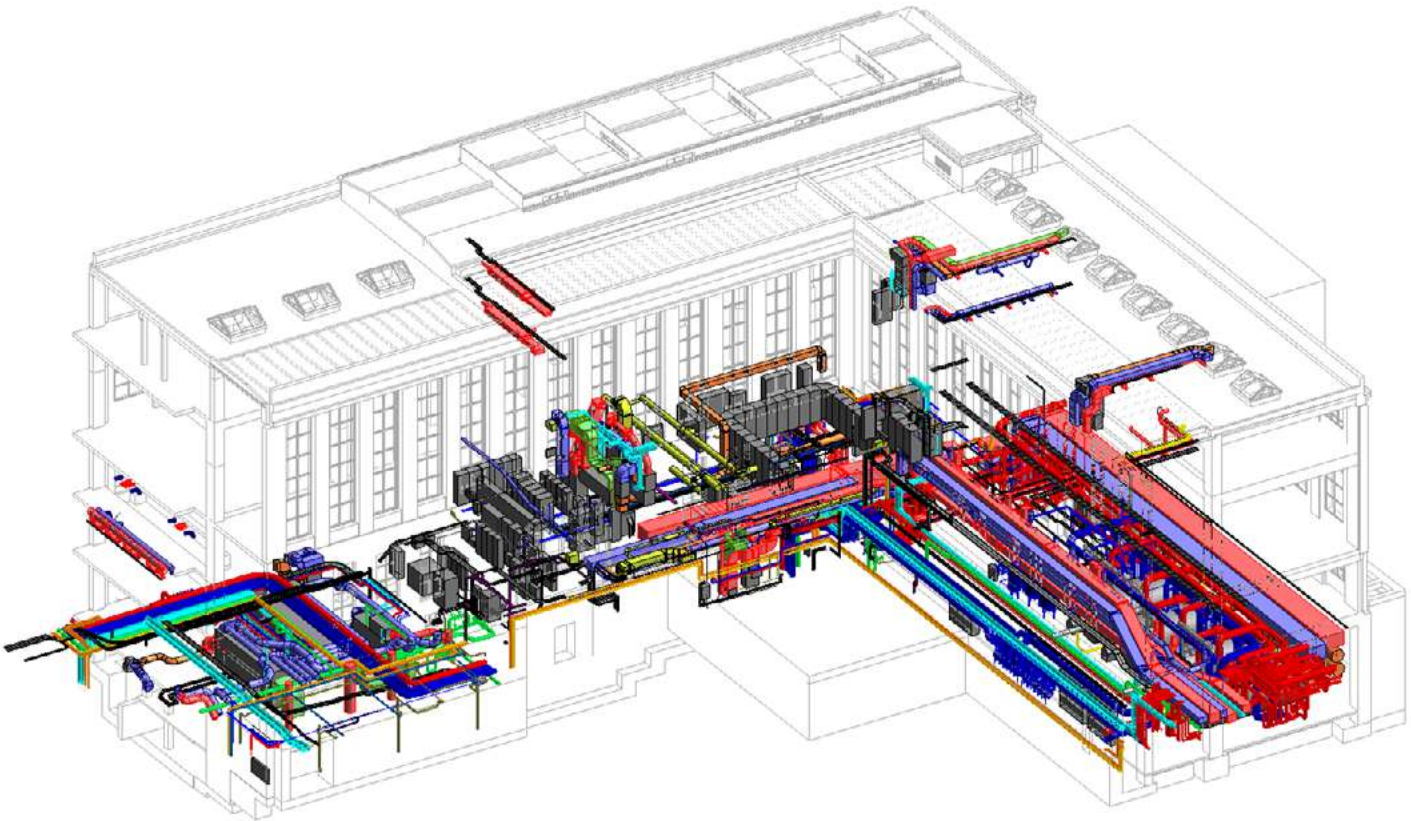
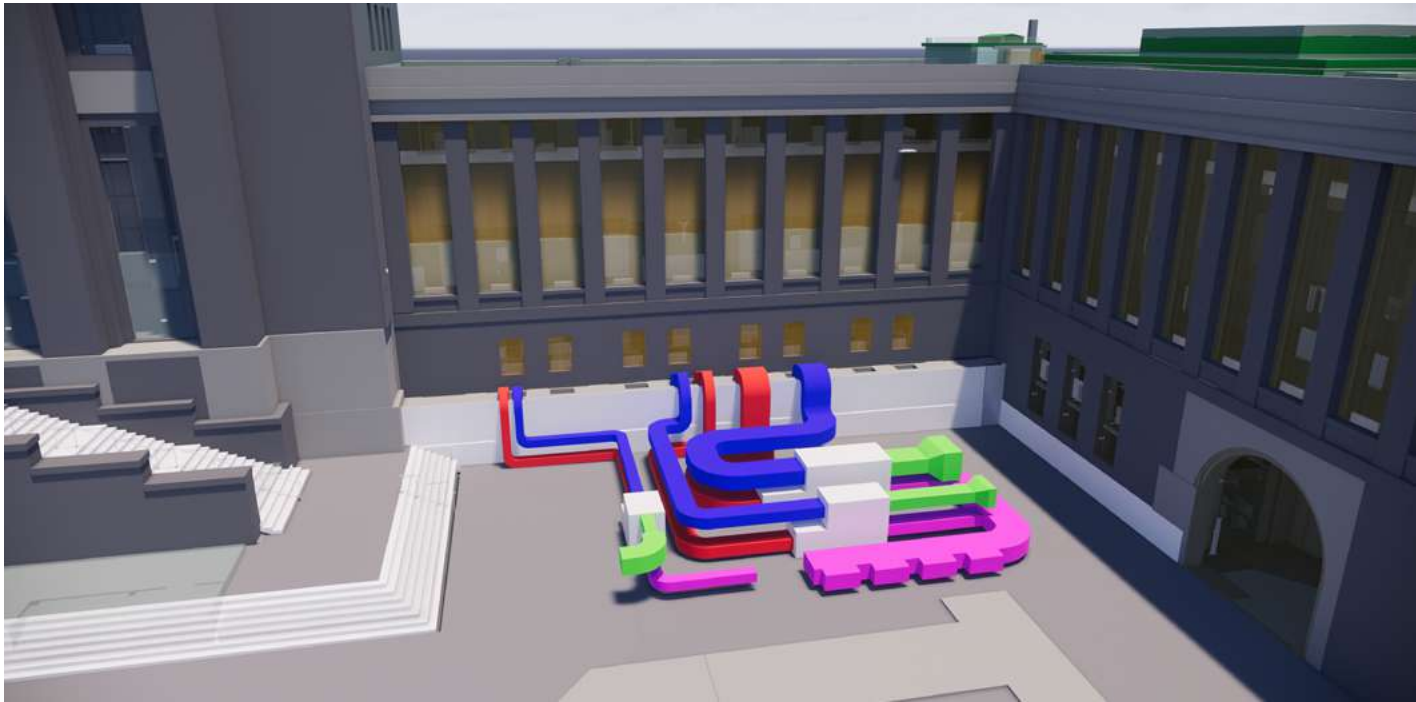
CURRENT STATUS
Under construction



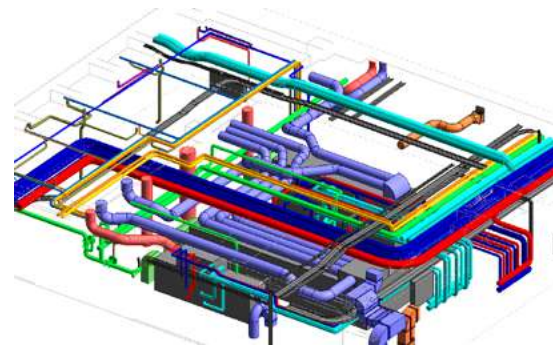
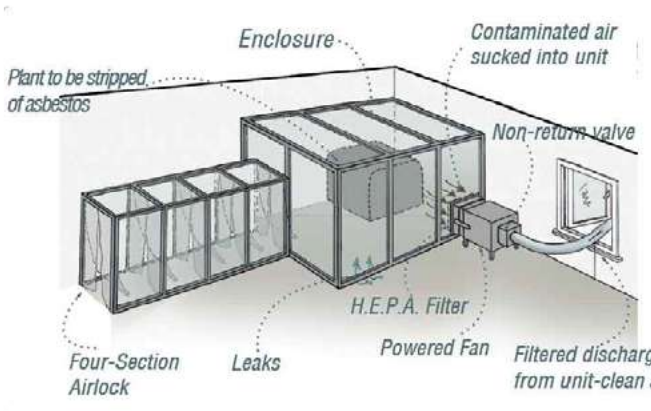
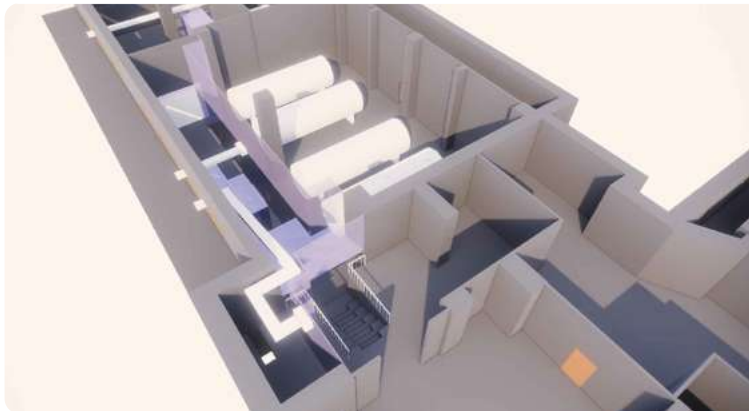
Phasing management diagram

Interferences Management

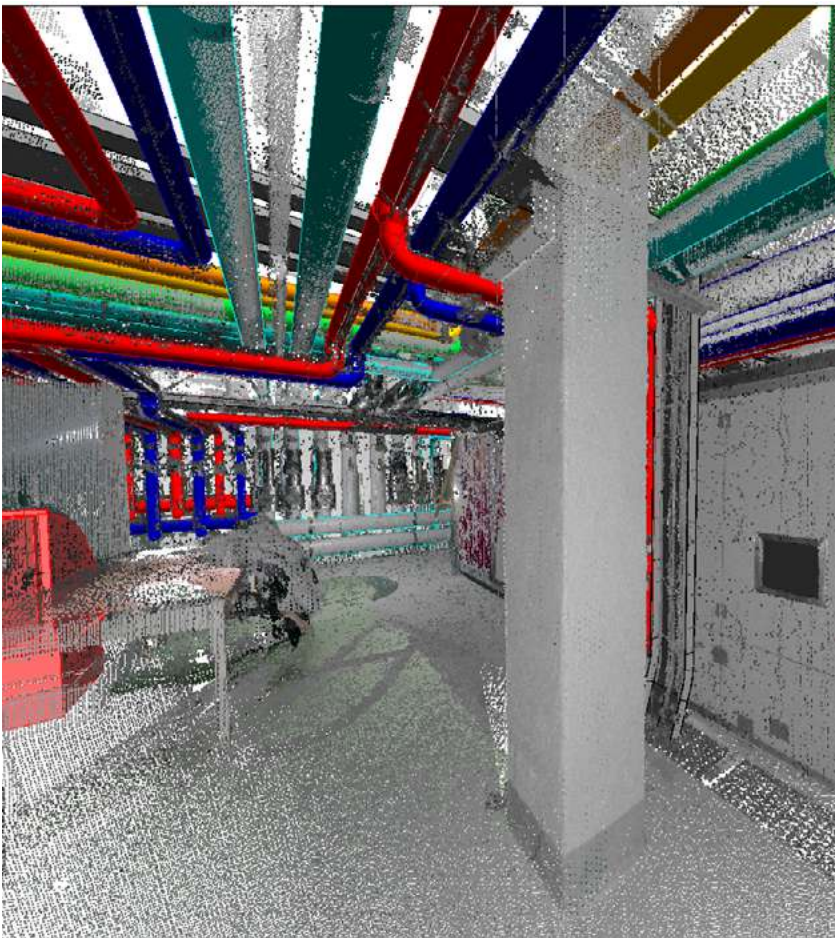




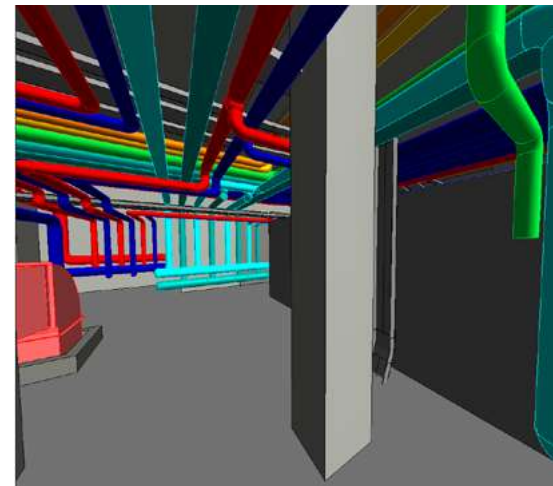
3D MEP - Section ab building AB



3D MEP



3D Cloud + Existing MEP



3D Arc + Existing MEP

02 Business Continuity

- Workflow analysis
- Risk Assessment
- Business Continuity Strategy
- Services and Systems Continuity
- Activities Continuity
- Circulation Continuity



General View	Element	No. Inventory	Location	Type	Artist	Title	Dimension
1	Picture	xxxx	Salle XII	Wall Painting	Massimo Campigli	The construction of the Palais of Nations	5 x 16 m
2	Architectural finishes	xxxx	Salle XII	Ceiling	--	--	28 x 10 m



General View	Model No.	Typology	Type	Material	Dimension	Location	Description	Quantity
	CH-CP-BEIGE	Heritage	Chaise Charlotte Perriand	Cuir beige	48x52x78	Salle VII Salle XII Salle XVII Salle XVIII and Salle XIX	Chaise pour salle de Conference	47
	CH-CP-BEIGE-ACC	Heritage	Fauteuil	Cuir beige	56x56x75	Salle VII Salle XII Salle XVII Salle XVIII and Salle XIX	Fauteuil de Conference	155
	C-7-TABLE-BOIS-4P	Heritage	Table	Bois marron Fonce	290x60x77	Salle VII	Table de conference 4 Places (interface Audio)	37
	C-7-TABLE BOIS-3 P	Heritage	Table	Bois marron Fonce	225x70x76	Salle VII	Table de conference 3 Places (interface Audio)	3

03

Move & Heritage Management

- Move operations programme
- Moving procedures
- Heritage management programme
- Heritage items management
- Temporary Storage
- IT Support



HEALTHCARE

New Hospital Bispebjerg

LOCATION
Copenhagen (Denmark)

TPOLOGY
Healthcare

TENDER YEAR
2020

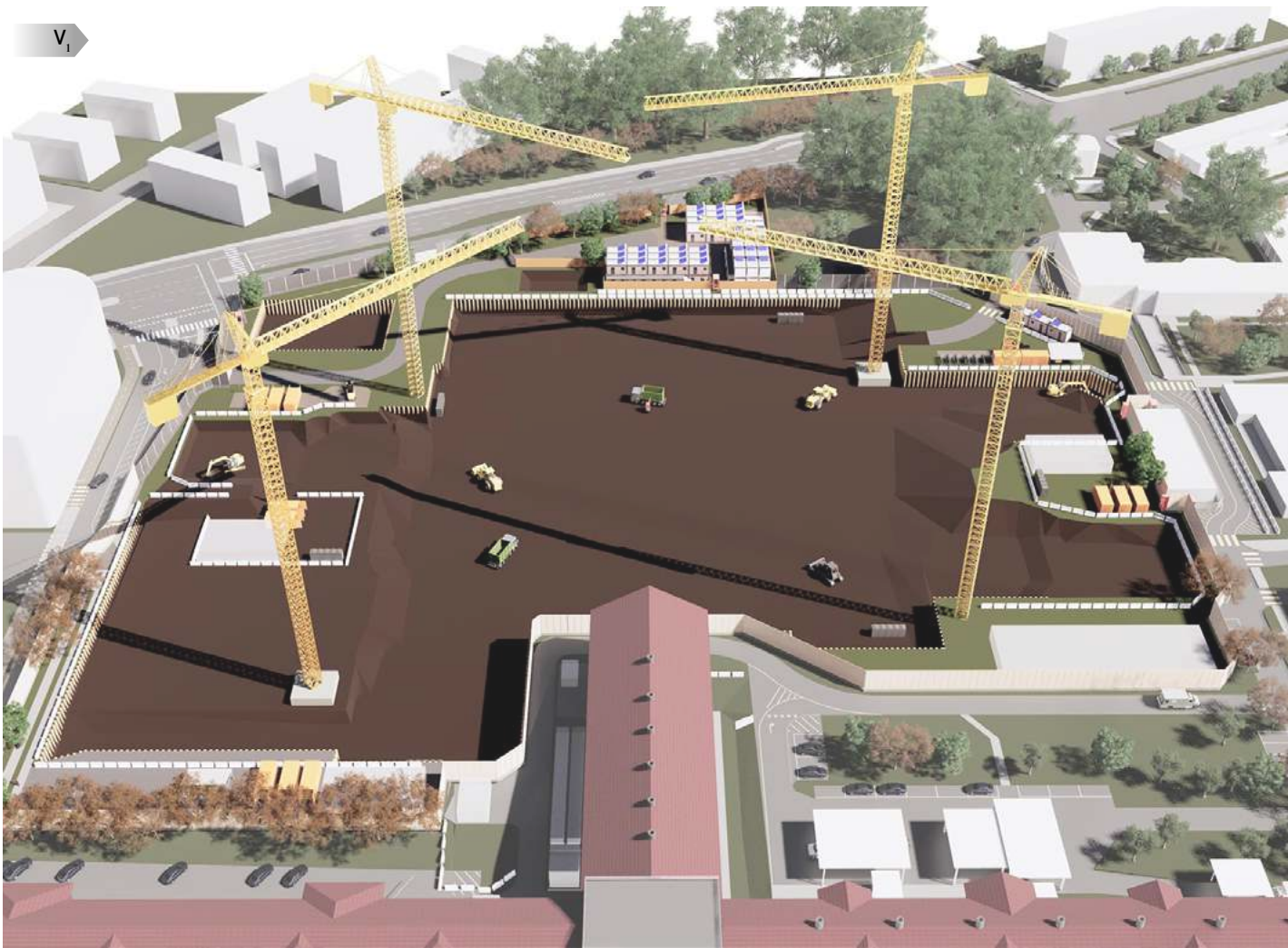
CLIENTS
Rizzani De Eccher

DIMENSIONS
85.000 sqm

BUDGET
€ 225 mln

ACTIVITIES
Tender management support

CURRENT STATUS
Under costruction

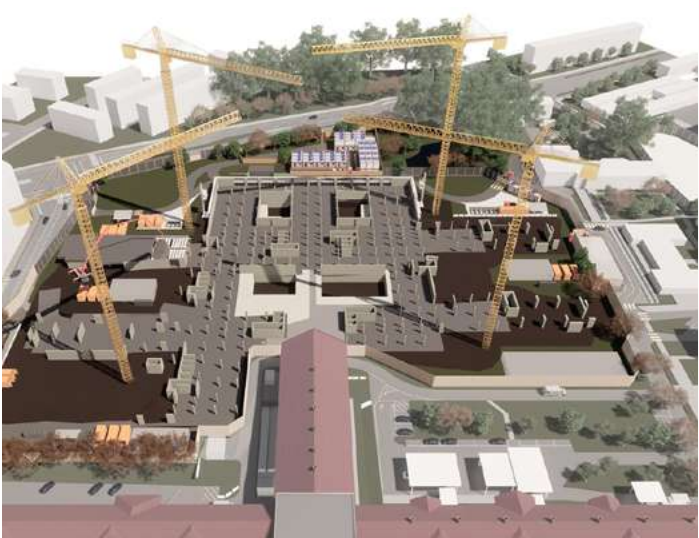


PHASE 1
Step 1 - Step 2 -Step 3 -Step 4

PHASE 2
Step 1 - Step 2 -Step 3

PHASE 3
Step 1 - Step 2 -Step 3 -Step 4

PHASE 4
Step 1 - Step 2



PHASE 1 Step 3



PHASE 1 Step 4



PHASE 2 Step 2



PHASE 3 Step 1



PHASE 3 Step 2



PHASE 4 Step 2

01

Construction site organization



- Phasing Strategy
- Contrusction Site Layouts
- Temporary Facilities
- Health & Safety management
- Workforce & Site Equipment
- Deliveries paths plan

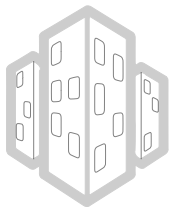
Testing process



Laboratory Testing



Mock-up Testing



Site Testing

Functional performances



Air-Tightness



Water-Tightness/
Waterproofing
(static and dynamic)



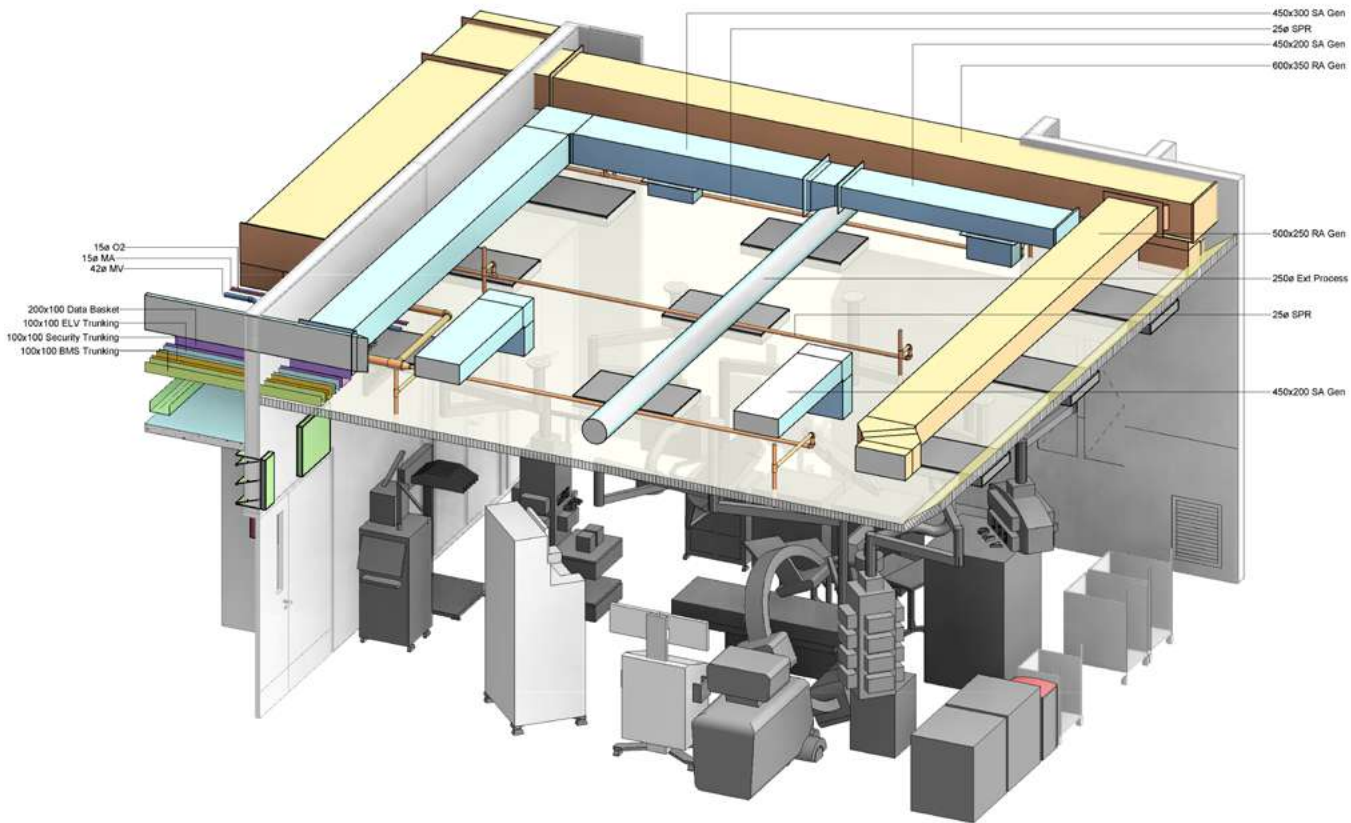
Thermal/Energy



Acoustical



Structural / Impact



02

Commissioning

- Commissioning Process
- Non-compliance management
- Test & Commissioning Plan
- Handover procedures
- Commissioning documents

MEP ASSET INFORMATION

Electrical quantity	Electrical specifications	Electrical consumption	Data quantity	Data specifications	Cold water quantity
Cold water specifications	Hot water quantity	Hot water specifications	Drains quantity	Drains specifications	

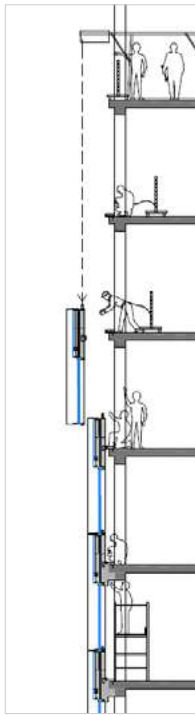


▲ OFFICE

New Office Building for the European Investment Bank in Luxembourg

LOCATION	DIMENSIONS
Luxembourg	64.000 sqm
TYPOLGY	BUDGET
Office	€ 194 mln
TENDER YEAR	ACTIVITIES
2022	Tender management support
CLIENTS	CURRENT STATUS
JV (Rizzani De Eccher+Ballast Nedam)	Under costruction





PHASE 1



PHASE 2



PHASE 3



PHASE 4



PHASE 4 Step A



PHASE 4 Step B

01 Project Management

- | | |
|--|---|
| <ul style="list-style-type: none">• Methodology for the implementation of the Works (e.g. Façades) | <ul style="list-style-type: none">• Quality, Health & Safety and Environmental Measures |
| <ul style="list-style-type: none">• BREEAM requirements | <ul style="list-style-type: none">• Programme |
| <ul style="list-style-type: none">• BIM Execution Plan | <ul style="list-style-type: none">• Organisation & Communications Chart |



ATI | Project

CREATING A BETTER REALITY

PISA
MILAN
ROME

BELGRADE
ODENSE
COPENHAGEN
PARIS
GENEVA