# STADIUMS



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## Cairo – New Stadium

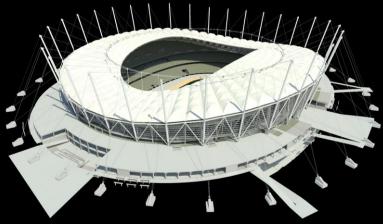








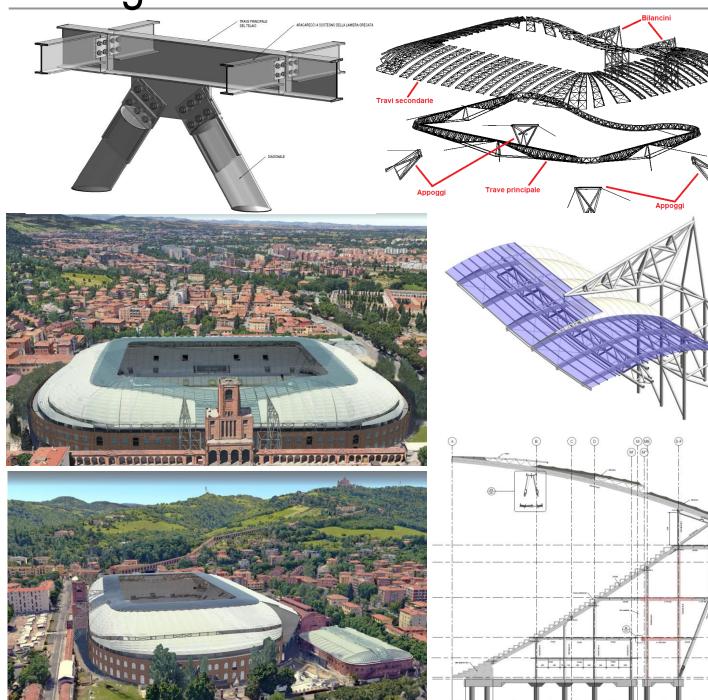




WORK DATA		
Location	Cairo (EGY)	
Year	2019 – 2022 under construction	
Owner	Egyptian government	
Client	ORASCOM	
Seats	93'000	
Work budget	€ 270'000'000	
STRUCTURAL DESIGN		
Tender	Х	
Preliminary	Х	
Final	Х	
Building site support	Х	
DESIGNED EL	DESIGNED ELEMENTS	
Risers	Precast concrete structures	
Grandstands	Cast in situ and precast concrete structures	
Roof	Tensile structure	
Roof Cover	Membrane	
Foundation	Slab on ground and piles	

# Bologna – New Renato Dall'Ara Stadium

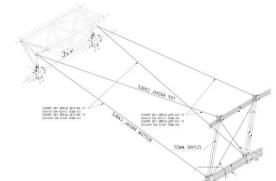




WORK DATA	
Location	Bologna (ITA)
Year	2017 – 2022
Owner	Bologna Football Club
Client	GauArena
Seats	30'000
Structural work budget	€ 63'000'000
STRUCTURAL DESIGN	
Tender	Х
Preliminary	Х
Final	In progress
Building site support	-
DESIGNED EL	EMENTS
Risers	Precast concrete structures
Grandstands	Cast in situ and steel structures
Roof	Structural system with main steel beams and seconday beams
Roof Cover	Membrane and palram
Foundation	Slab on ground and piles

# Yaoundé – Paul Biya Stadium









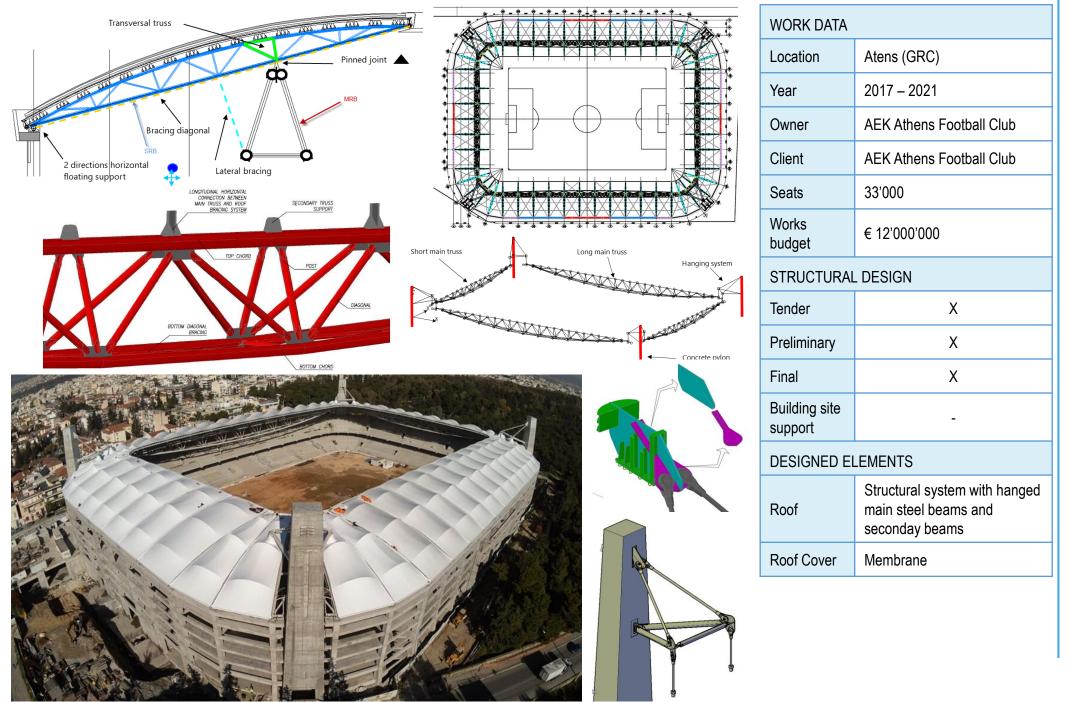




WORK DATA	
Location	Yaoundè (CMR)
Year	2017 – 2022
Owner	Cameroon Governement
Client	Piccini Group
Seats	60'000
Works budget	€ 92'500'000
STRUCTURAL DESIGN	
Tender	Х
Preliminary	Х
Final	Х
Building site support	Х
DESIGNED EL	EMENTS
Risers	Precast concrete structures
Grandstands	Cast in situ and steel structures
Roof	Spoke Wheel structure
Roof Cover	Membrane
Foundation	Slab on ground and piles

# Athens – Agia Sophia Stadium





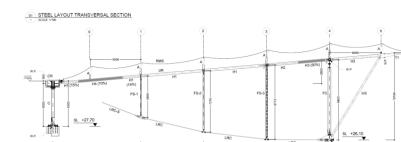
## Istanbul – Vodafone Arena

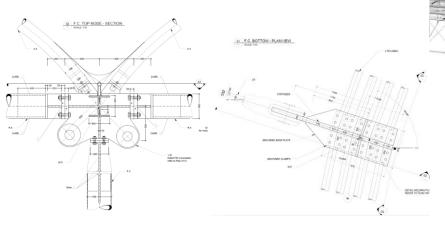






WORK DATA		
Location	Istanbul (TR)	
Year	2014 – 2015	
Owner	Besiktas	
Client	Besiktas	
Seats	42'590	
Works budget	€ 125'000'000	
STRUCTURAL DESIGN		
Tender	-	
Preliminary	-	
Final design validation	Х	
DESIGNED ELEMENTS		
Roof	Spoke Wheel Structures	
Roof Cover	Membrane	





## Udine – Dacia Arena















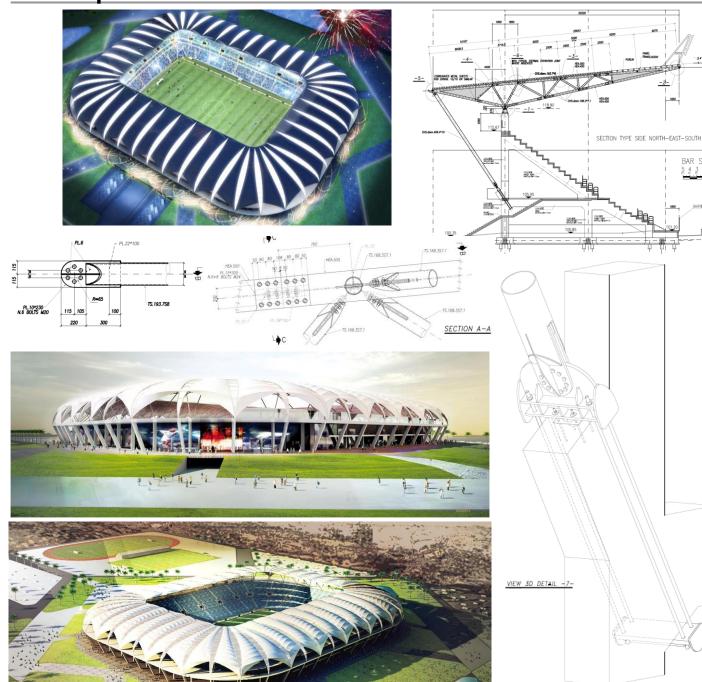


WORK DATA		
Location	Udine (ITA)	
Year	2014	
Owner	Udine Municipality	
Client	Udinese Calcio SpA	
Seats	25'312	
Works budget	€ 30'000'000	
STRUCTURAL DESIGN		
Tender	-	
Preliminary	-	
Final design cunsultant	Х	
DESIGNED ELEMENTS		
	Coupling reticular steel	

	Coupling reticular steel
Roof	trusses joined by reticular beams that support secondary elements.
Roof Cover	Corrugated sheet and corrugated alveolar polycarbonate

#### Iraq – As Samawah Stadium



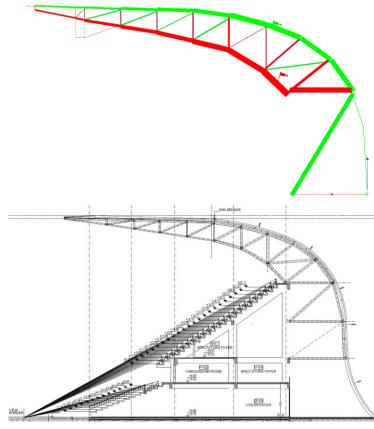


WOF	WORK DATA	
Loca	tion	As Samawah (IRQ)
Year		2013 – 2015
Own	er	Republic of Iraq
Clien	ıt	T&T Costruzione S.r.I.
Seat	S	20'000
Work budg	-	€ 50'000'000
STR	STRUCTURAL DESIGN	
Tend	er	Х
Preli	minary	Х
Final		Х
Build supp	ing site ort	-
DES	DESIGNED ELEMENTS	
Rise	rs	Precast concrete structures
Gran	dstands	Cast in situ and steel structures
Roof		Cantilever steel structure
Roof	Cover	Membrane
Foun	dation	Piles

BAR SCALE

#### Iraq – Karbala Stadium







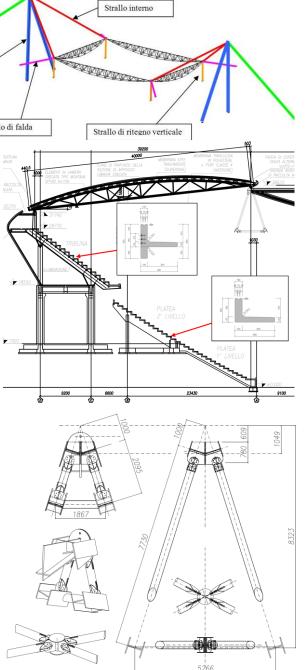


WORK DATA		
Location	Karbala (IRQ)	
Year	2012 – 2013	
Owner	Ministry of Youth and Sport of Iraq (MOYS)	
Client	Open Project	
Seats	30'000	
Works budget	€ 75'000'000	
STRUCTURAL	STRUCTURAL DESIGN	
Tender	-	
Preliminary	-	
Final design validation	Х	
Building site support	-	
DESIGNED EL	DESIGNED ELEMENTS	
Risers	Precast concrete structures	
Grandstands	Cast in situ structures	
Roof	Cantilever steel structure	
Roof Cover	Polycarbonate	
Foundation	Slab	

### Turin – Allianz Stadium Juventus

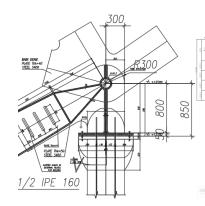


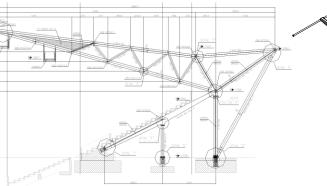


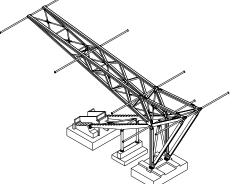


WORK DATA		
Location	Turin (ITA)	
Year	2008 – 2010	
Owner	Juventus F.C.	
Client	Juventus F.C.	
Seats	42'000	
Works budget	€ 105'000'000	
STRUCTURAL DESIGN		
Tender	Х	
Preliminary	Х	
Final	Х	
Building site support	Х	
DESIGNED EL	EMENTS	
Risers	Precast concrete structures	
Grandstands	Cast in situ and steel structures	
Roof	Structural system with hanged main steel beams and seconday beams	
Roof Cover	Membrane	
Foundation	Slab on ground and piles	

## Larissa – AEL FC Arena











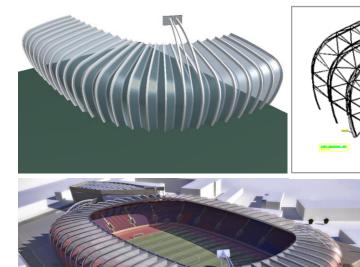


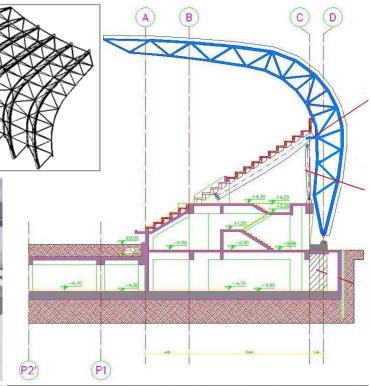
WORK DATA		
Location	Larissa (GRC)	
Year	2009 – 2012	
Owner	Larissa F.C.	
Client	Larissa F.C.	
Seats	16'000	
Works budget	€ 41'000'000	
STRUCTURAL DESIGN		
Tender	Х	
Preliminary	Х	
Final	Х	
Building site support	-	
DESIGNED EL	EMENTS	
Risers	Precast concrete structures	
Grandstands	Steel structures	
Roof	Cantilever steel structure	
Roof Cover	Corrugated steel sheet	
Foundation	Slab on ground	



## Athens – Panionios AC Stadium







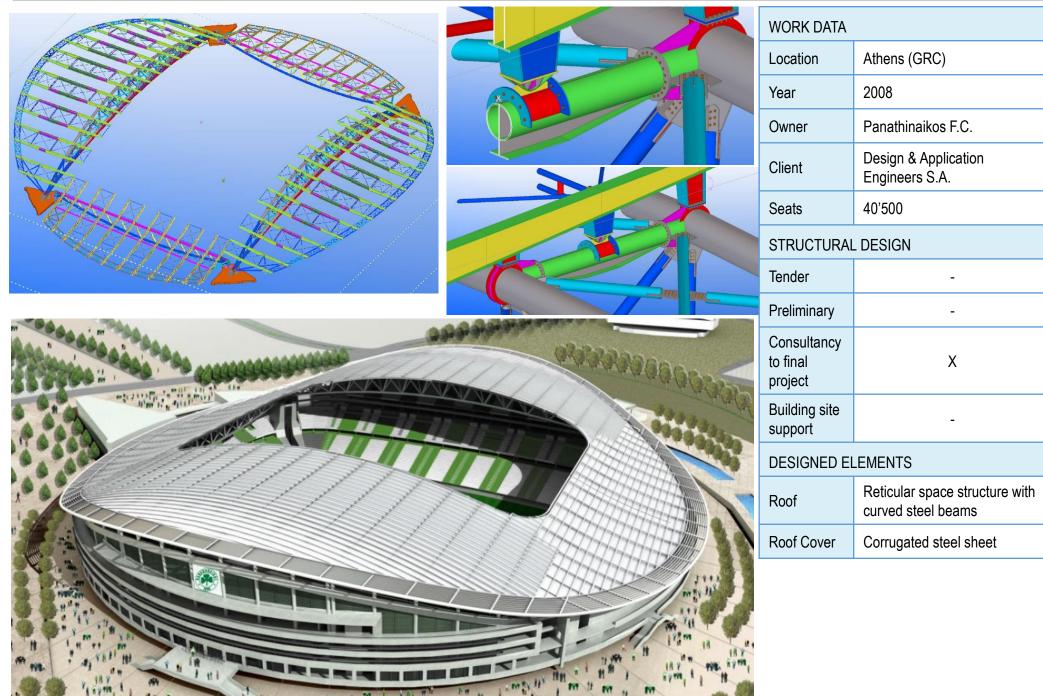




WORK DATA	
Location	Athens (GRC)
Year	2009
Owner	Panionios Gymnastikos Syllogos Smyrnis - P.G.S.S.
Client	Dimand S.A.
Seats	12'500
STRUCTURAL DESIGN	
Tender	Х
Preliminary	-
Final	-
Building site support	-
DESIGNED EL	EMENTS
Risers	Precast concrete structures
Grandstands	Cast in situ and steel structures
Roof	Spatial steel truss with curved beams
Roof Cover	Membrane
Foundation	Slab on ground

## Athens – Roof of the Panathinaikos F.C. Stadium

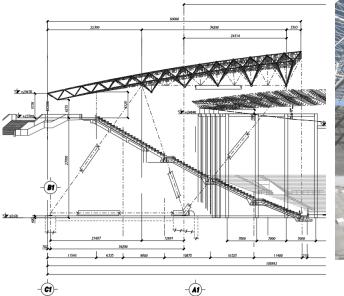




# Messina – Municipal Stadium









WORK DATA	WORK DATA	
Location	Messina (ITA)	
Year	2005 - 2006	
Owner	F.C. Messina Peloro srl	
Client	F.C. Messina Peloro srl	
Seats	45'000	
Works budget	€ 20'000'000	
STRUCTURAL DESIGN		
Tender	Х	
Preliminary	Х	
Final	Х	
DESIGNED ELEMENTS		
Roof	Reticular space structures composed by double-layer grid with lowered configuration	
Roof Cover	Membrane	

## Modena – Alberto Braglia Stadium









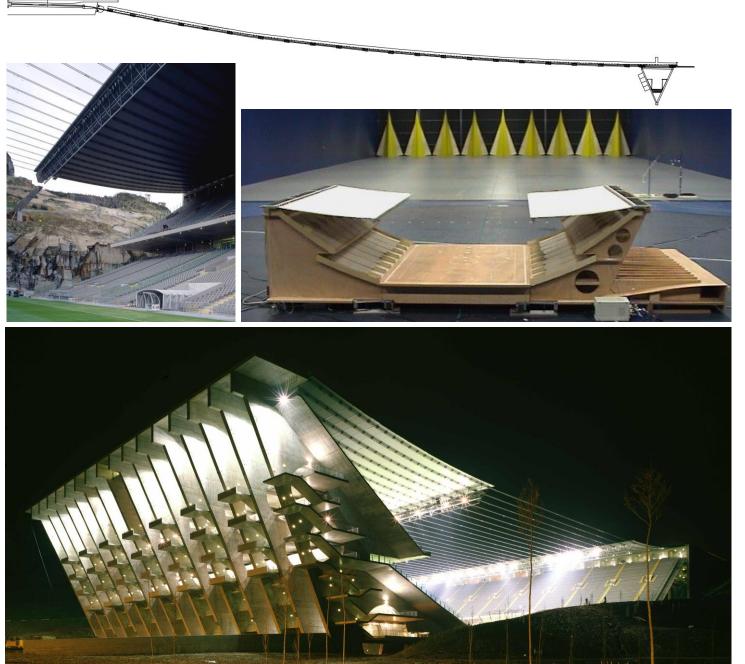




WORK DATA		
Location	Modena (ITA)	
Year	2004 – 2006	
Owner	Modena Municipality	
Client	Modena Municipality	
Seats	22'000	
Works budget	€ 10'300'000	
STRUCTURAL DESIGN		
Tender	Х	
Preliminary	Х	
Final	Х	
Building site support	-	
DESIGNED EL	DESIGNED ELEMENTS	
Risers	Precast concrete structures	
Grandstands	Steel structures	
Roof	Cantilever steel structure	
Roof Cover	Membrane	
Foundation	Slab on ground and piles	

## Braga – Council Stadium Roof





WORK DATA	
Location	Braga (PRT)
Year	2003 – 2004
Owner	Braga Municipality
Client	Soc. Soares da Costa
Seats	30'500
Works budget	€ 120'000'000
STRUCTURAL DESIGN	
Tender	-
Preliminary	-
Final	Х
Building site support	-
DESIGNED ELEMENTS	
Roof	Cables and concrete structures
Roof Cover	Concrete slab

# Athens – Olympiakos Stadium





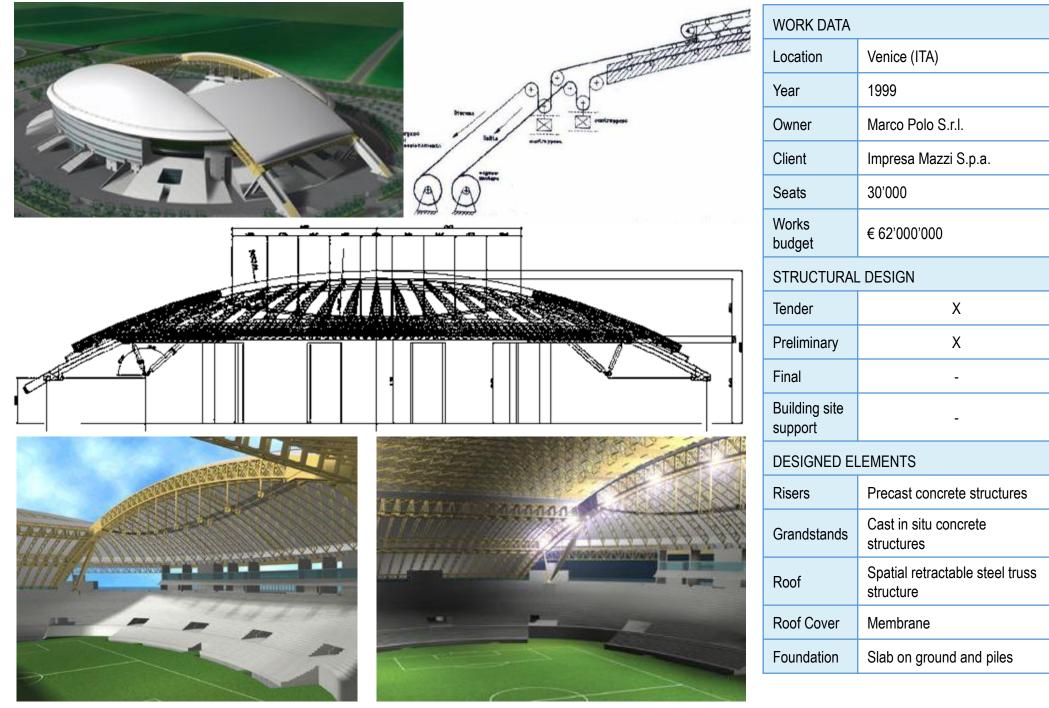


	WORK DATA	
	Location	Athens (GRC)
	Year	2002 – 2004
	Owner	Karaiskaki S.A.
	Client	Karaiskaki S.A.
	Seats	34'000
	Works budget	€ 40'000'000
	STRUCTURAL DESIGN	
-	Tender	Х
	Preliminary	Х
	Final	Х
	Building site support	-
	DESIGNED ELEMENTS	
	Grandstands	Steel structures
	Roof	Cantilever steel structure
	Roof Cover	Membrane

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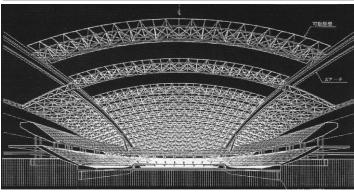
#### Venice – Marco Polo Stadium

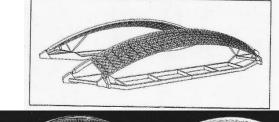


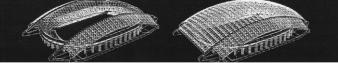


## Ohita – Stadium













WORK DATA	
Location	Ohita (JPN)
Year	1998
Owner	Kajima Corporation Ohita Giappone
Client	Kajima Corporation Ohita Giappone
Seats	35'000
Works budget	€ 120'000'000
STRUCTURAL DESIGN	
Tender	Х
Preliminary	-
Final	-
Building site support	-
DESIGNED ELEMENTS	
Risers	Precast concrete structures
Grandstands	Cast in situ concrete structures
Roof	Spatial retractable steel truss structure
Roof Cover	Membrane

## Montréal – Olympic Stadium





	WORK DATA	
	Location	Montréal (CAN)
	Year	1992-1995
	Owner	Régie des installations olympiques
	Client	Régie des installations olympiques
	Seats	68'500
	Works budget	€ 25'830'000
	STRUCTURAL DESIGN	
	Tender	-
	Preliminary	-
	Final	-
	Consulting	Х
	DESIGNED ELEMENTS	
	Roof	Covering tensile structure to replace the collapsed structure following extraordinary wind events in 1988 and 1991
	Roof Cover	Membrane
1		

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## Turin – Delle Alpi Stadium





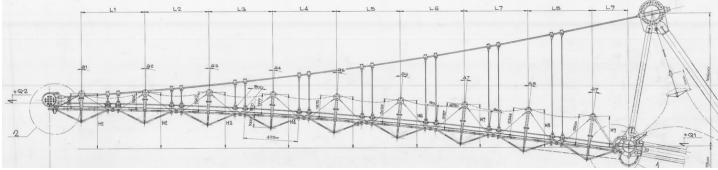
	WORK DATA	
	Location	Turin (ITA)
	Year	1990
/	Owner	Comune di Turin e Juventus Football Club S.p.A.
	Client	Acqua Marcia S.p.a.
	Seats	70'000
1	Works budget	€ 65'000'000
	STRUCTURAL DESIGN	
	Tender	Х
	Preliminary	Х
	Final	Х
	Building site support	-
	DESIGNED ELEMENTS	
	Roof	Tensile structure
	Roof Cover	Membrane
1		

# Rome – Olympic Stadium Roof











Contraction of the owner ow	
	Seats
	Works budget
J. J.	STRUCTU
+91	Tender
	Preliminar
	Final
	Building si support
	DESIGNE
	Roof
	Roof Cove

WORK DATA	
Location	Rome (ITA)
Year	1990
Owner	CONI - Rome
Client	CONI - Rome
Seats	70'500
Works budget	€ 80'000'000
STRUCTURAL DESIGN	
Tender	Х
Preliminary	Х
Final	Х
Building site support	Х
DESIGNED ELEMENTS	
Roof	Tensile structure
Roof Cover	Membrane