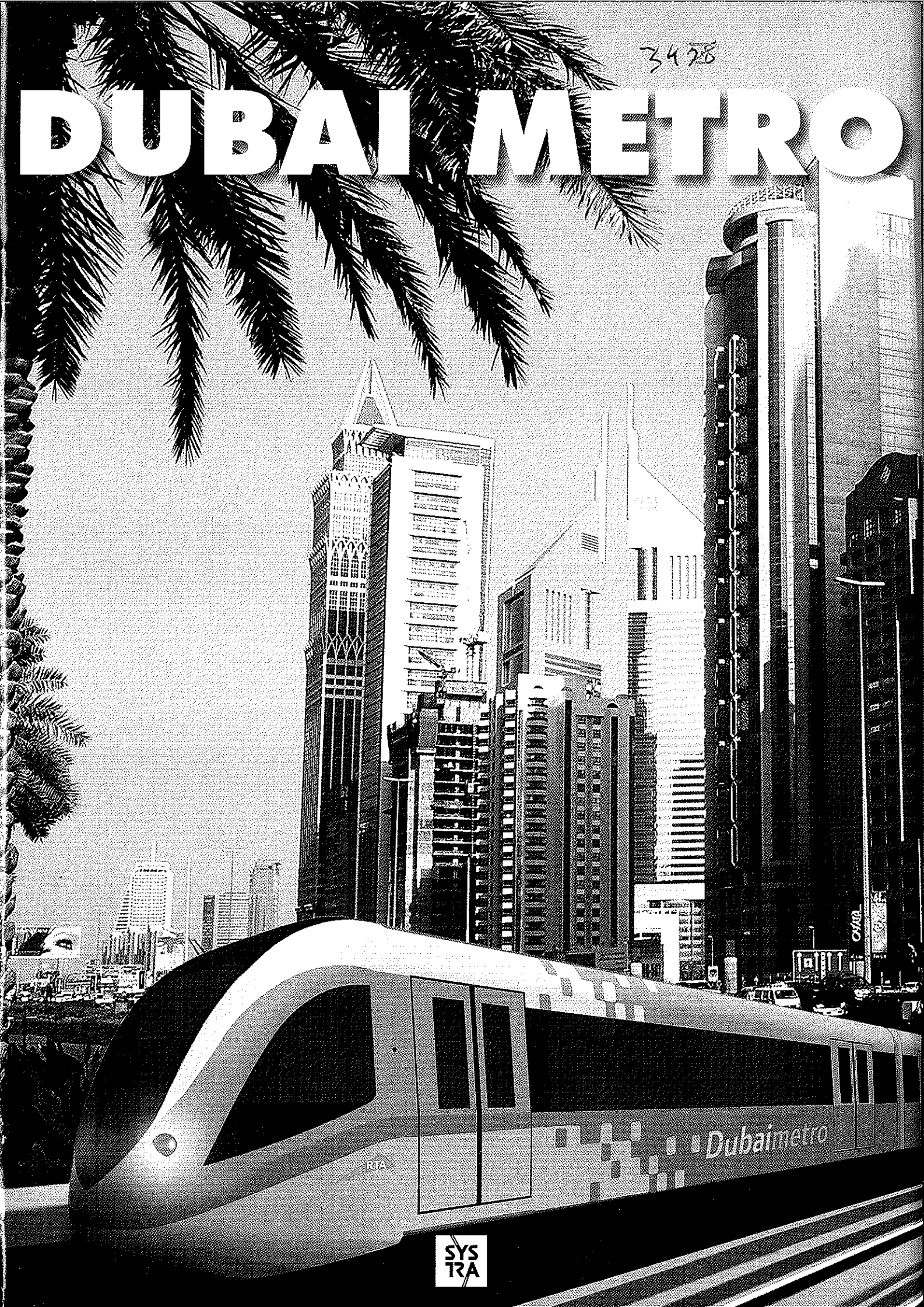
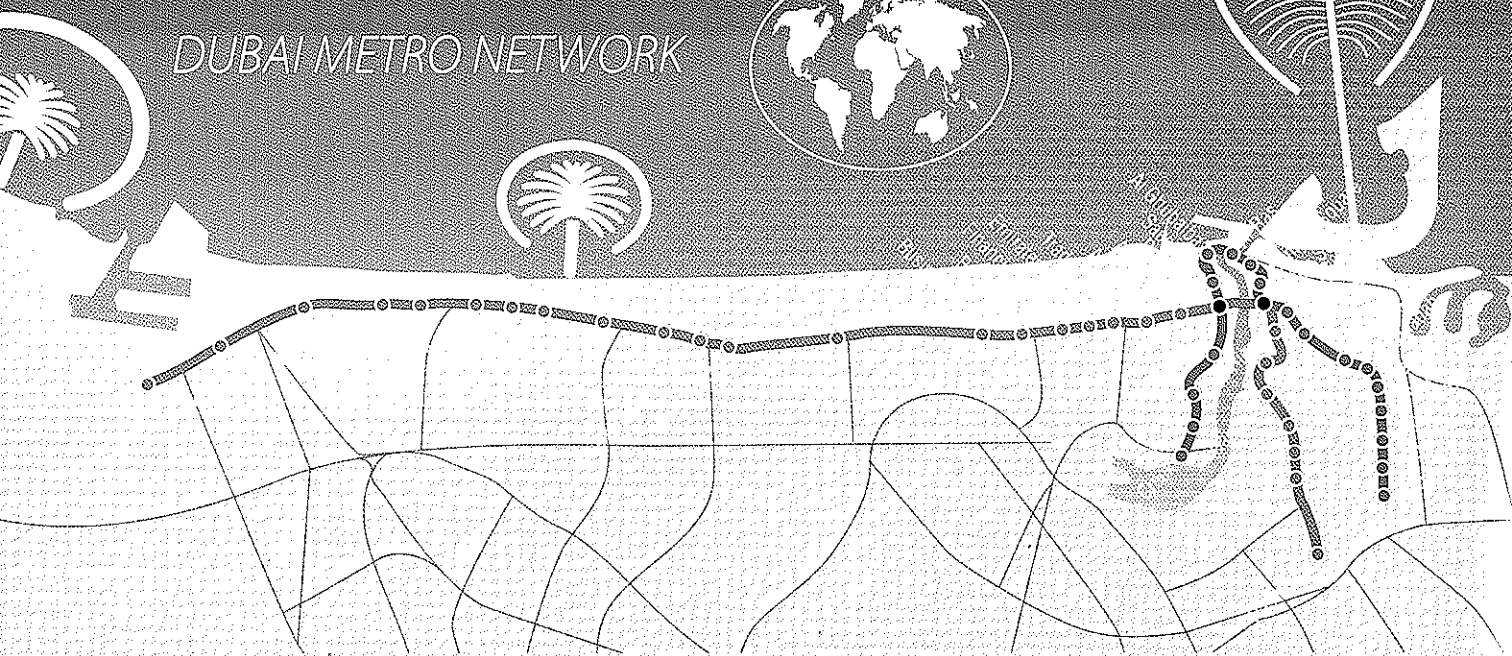


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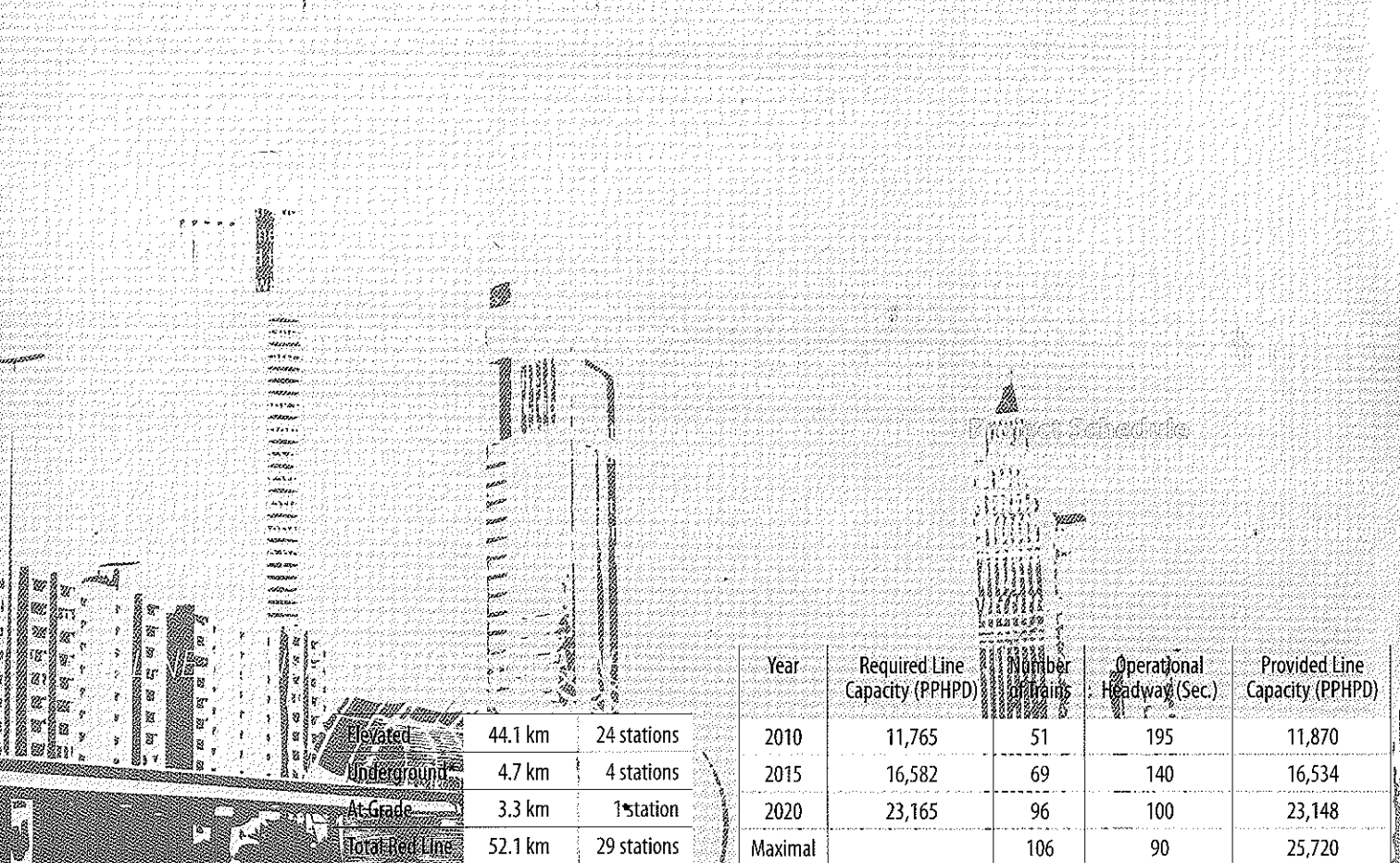
DUBAI METRO



DUBAI METRO NETWORK



The Dubai Metro Project SYSTEM Assignment



Elevated	44.1 km	24 stations
Underground	4.7 km	4 stations
At-Grade	3.3 km	1 station
Total Red Line	52.1 km	29 stations

with 2 transfer stations

Year	Required Line Capacity (PPHPD)	Number of trains	Operational Headway (Sec.)	Provided Line Capacity (PPHPD)
2010	11,765	51	195	11,870
2015	16,582	69	140	16,534
2020	23,165	96	100	23,148
Maximal		106	90	25,720

Passenger comfort: 4 p/m²

GREEN LINE TRANSPORTATION SUMMARY

Elevated	14.6 km	12 stations
Underground*	7.9 km	6 stations
Total Green Line	22.5 km	18 stations

* without 2 transfer stations

Year	Required Line Capacity (PPHPD)	Number of trains	Operational Headway (Sec.)	Provided Line Capacity (PPHPD)
2010	6,394	17	357	6,484
2015	16,525	42	139	16,653
2020	19,773	50	117	19,784
Maximal		64	90	25,720

Passenger comfort: 4 p/m²

SUMMARY OF PROJECT DEVELOPMENT

SYSTRA'S INVOLVEMENT

PRIOR TO THE BID

PRELIMINARY ENGINEERING STUDY (PS007) BY SYSTRA

Stage 1- 3 months to:

- Redefine and optimise All (Horizontal and Vertical)
- Location of stations and
- System definition
- Depot
- Initial Costing

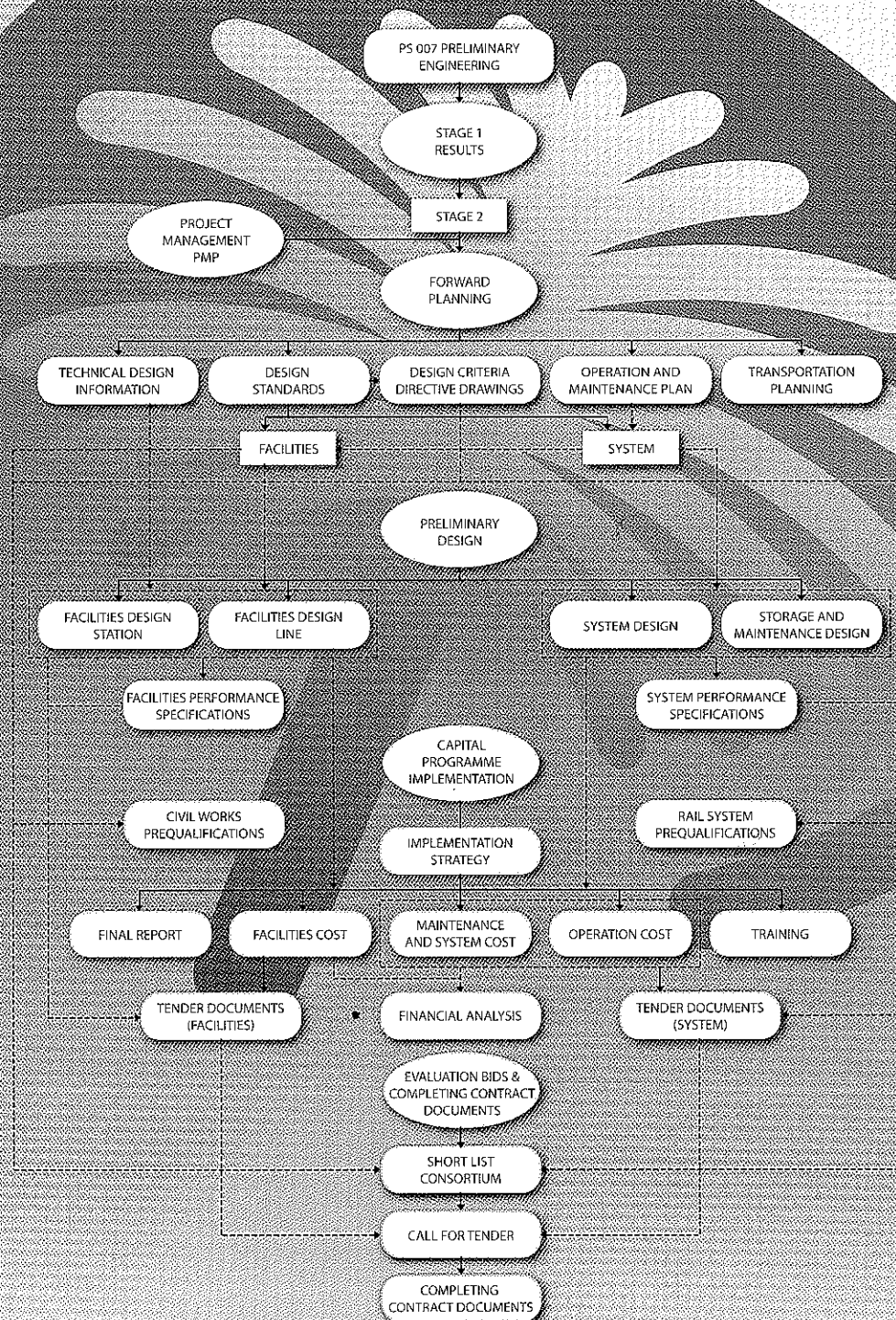
Stage 2 - 17 months to develop:

- Project management by SYSTRA
- Ridership forecast
- 30% of System and Civil Works Design
- Recontracting and
- Bid review and assistance to R
- for contract award

AFTER AWARD OF THE CONSTRUCTION CONTRACT

SPECIAL CONTRACT IN ASSOCIATION WITH PARSONS, MANAGED BY SYSTRA

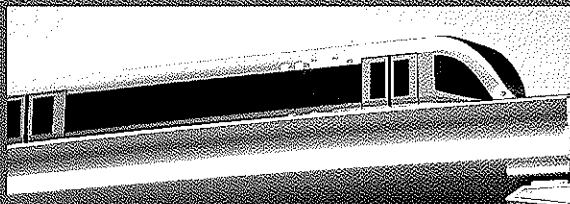
- Detailed Design Review
- Construction Supervision
- Project Management
- Commissioning
- of operation

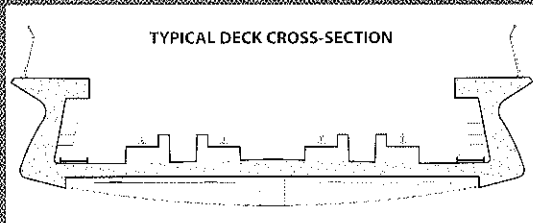


ELEVATED SECTION

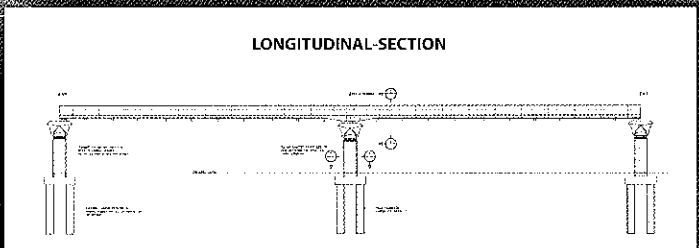
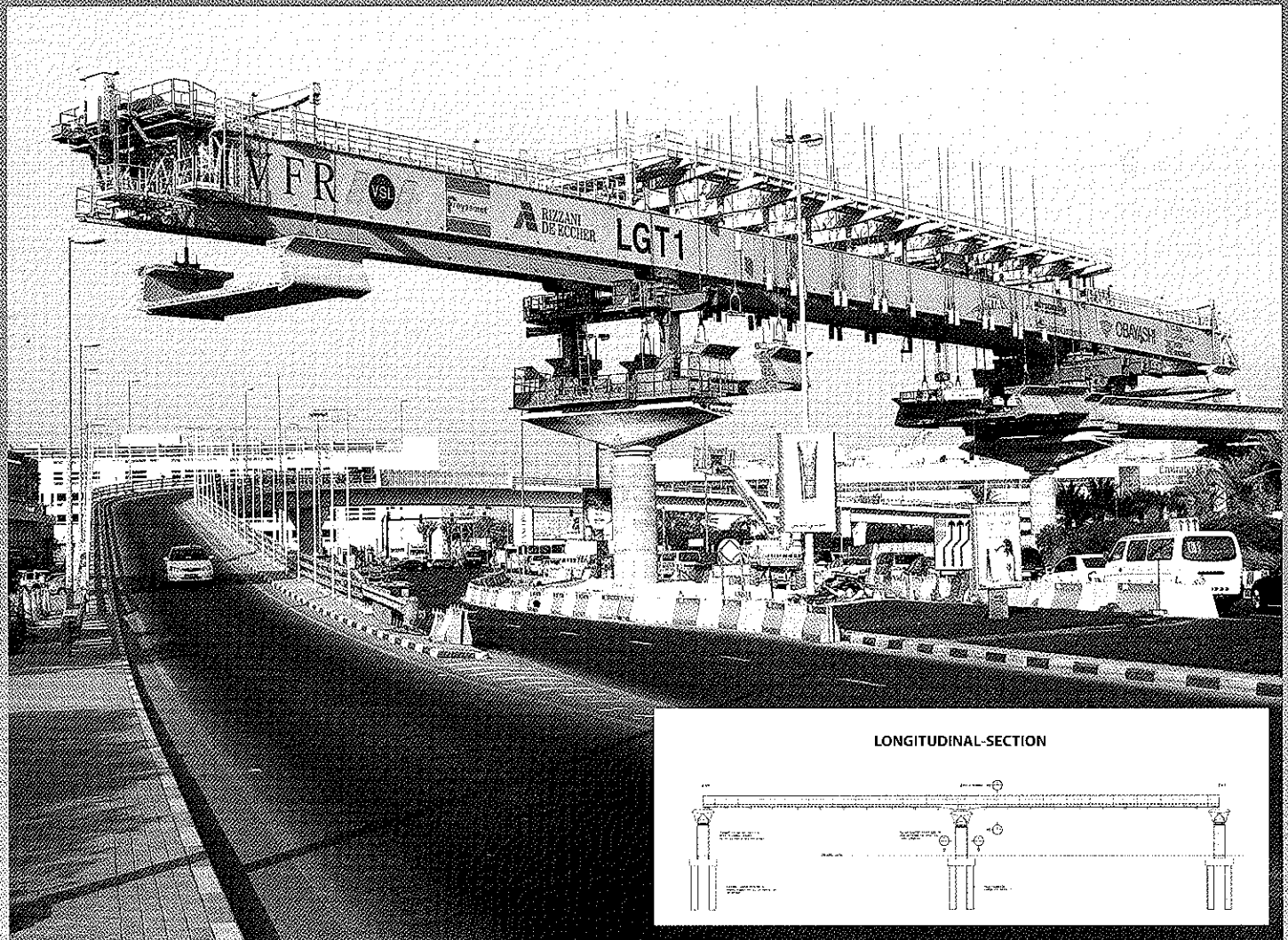
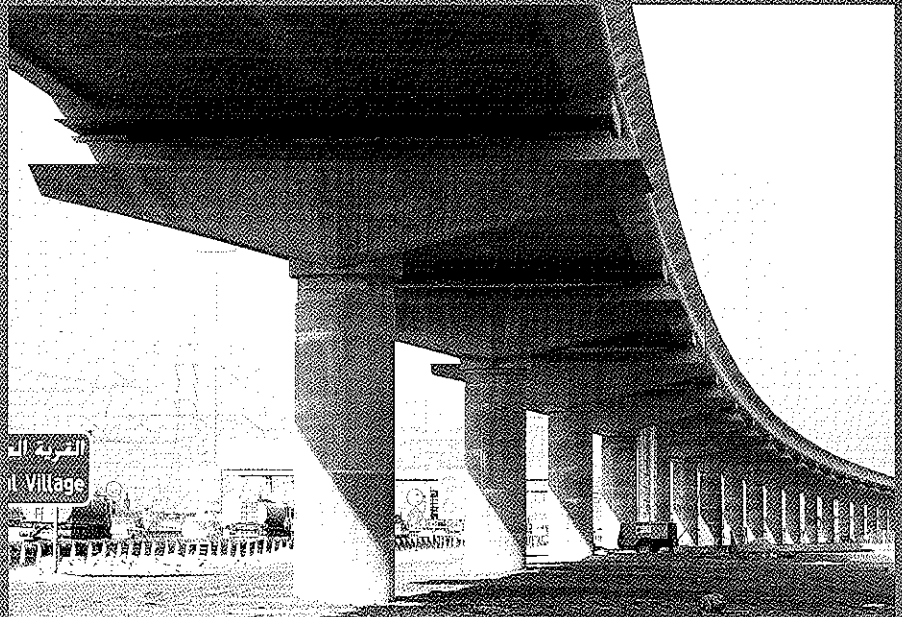
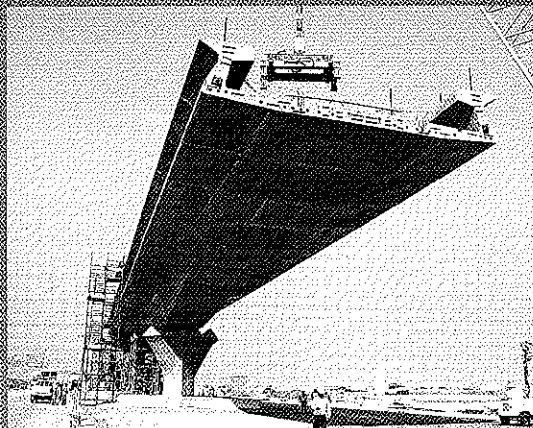
VIADUCT

Typical 32 m Spans





Balanced Cantilever Unit (50 to 72 m Spans)

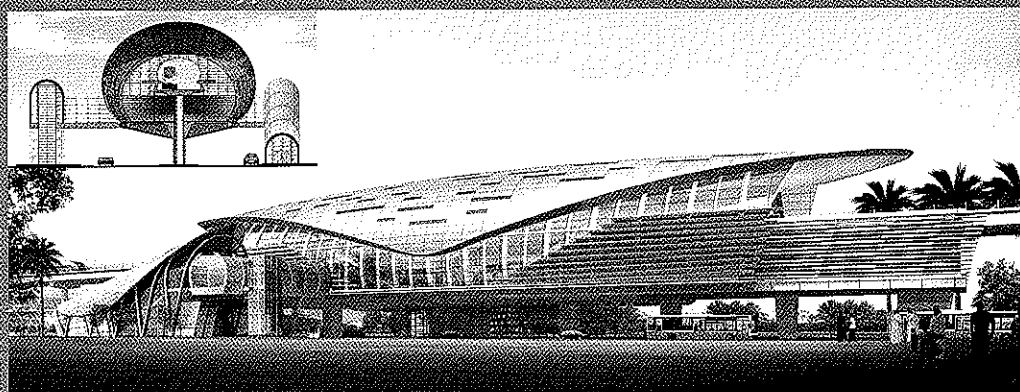


ELEVATED STATIONS

Elevated Station Type 1



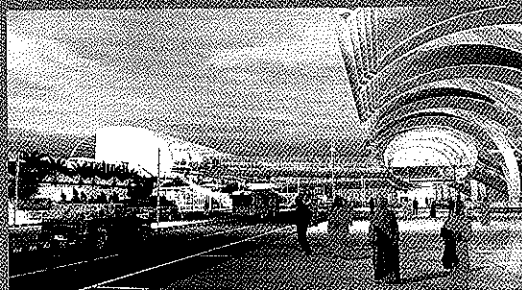
Elevated Station Type 2



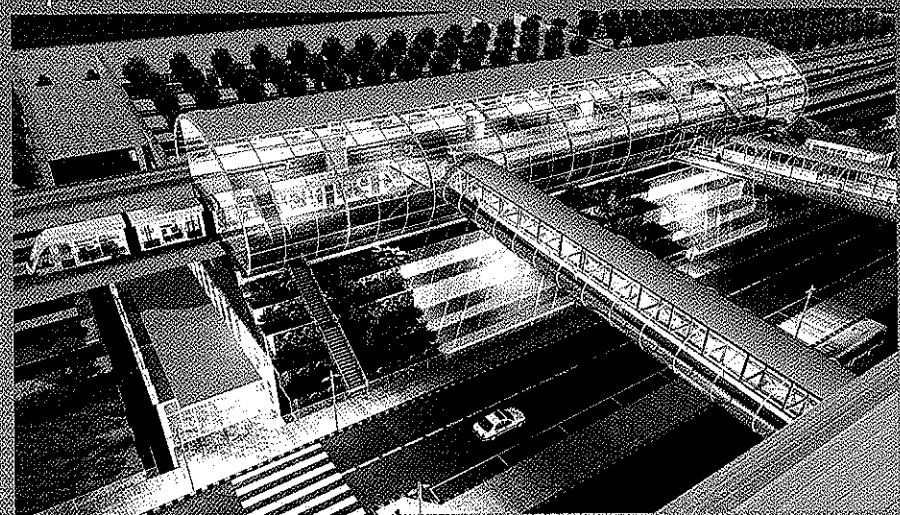
Elevated Station Type 3



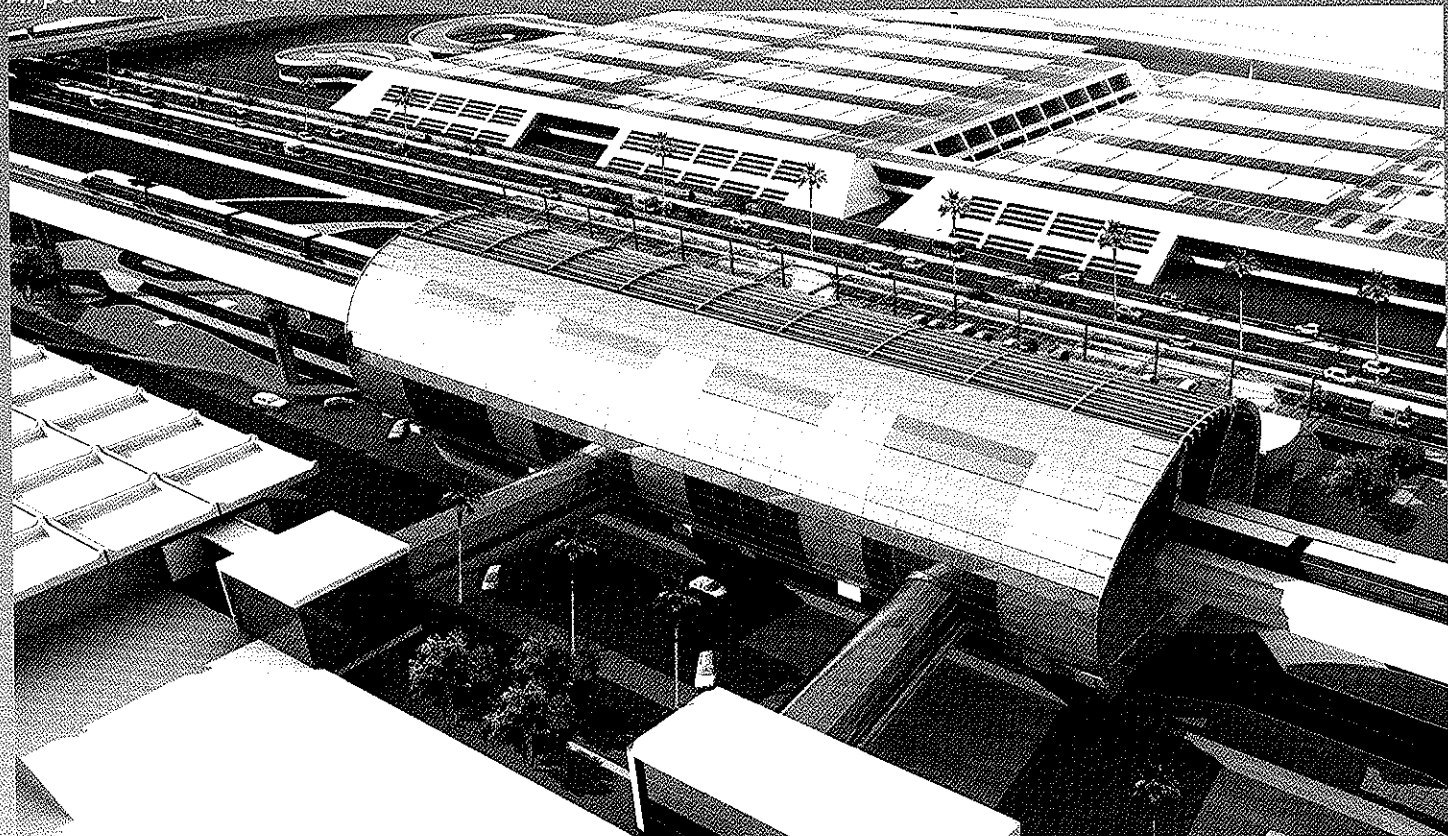
AIRPORT TERMINAL STATIONS



Airport Terminal 3 Station

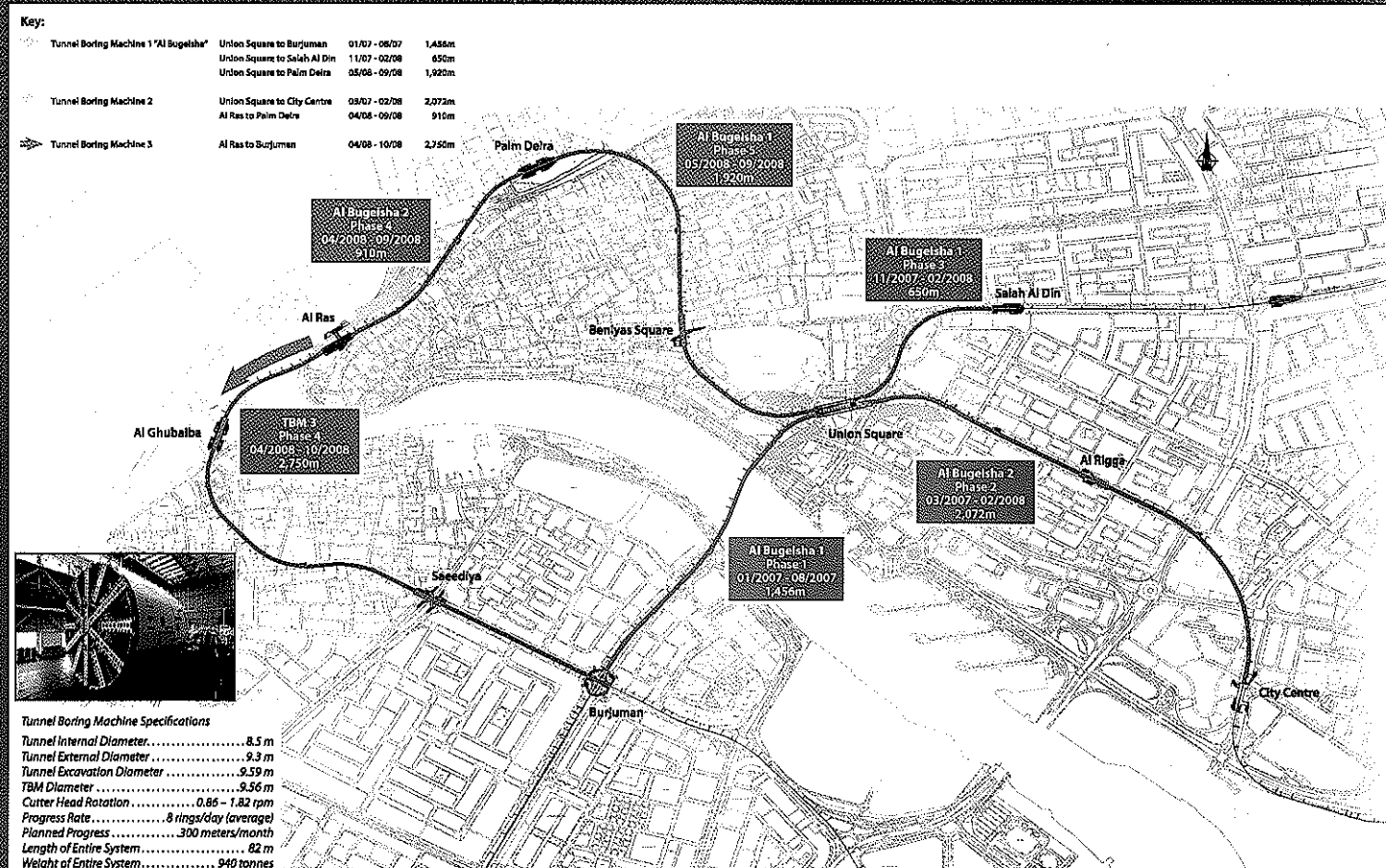


Airport Terminal 1 Station



UNDERGROUND SECTION

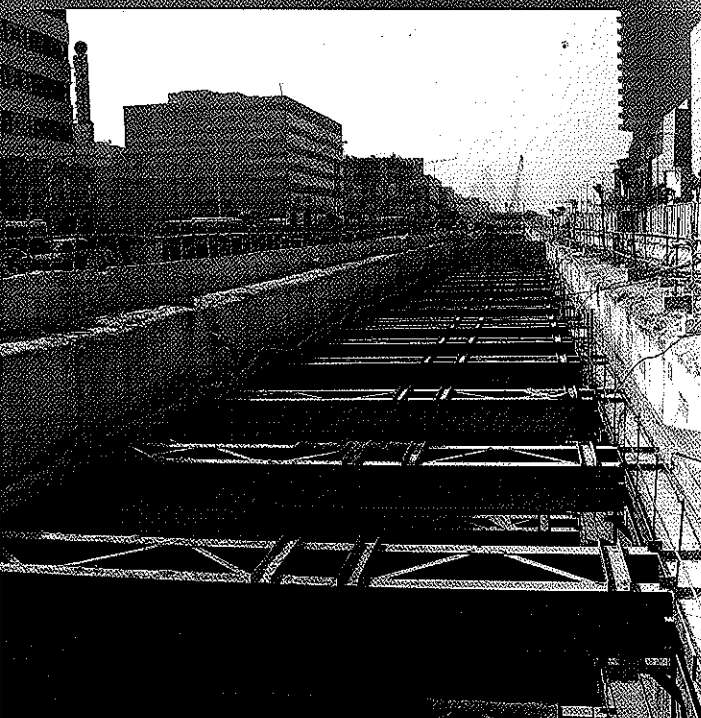
Layout



Tunnels



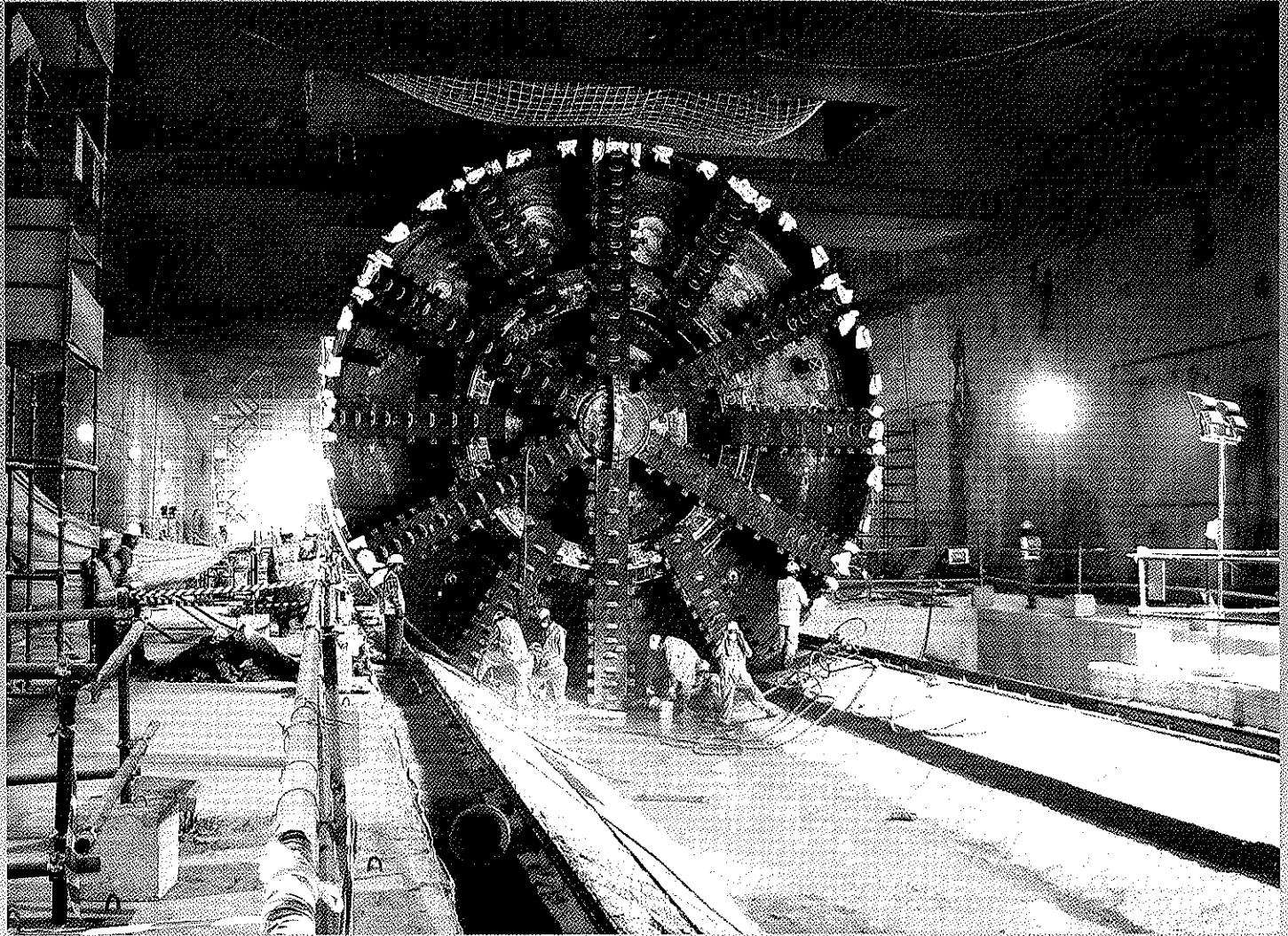
Cut and Cover



Tunnel Segments Precasting Yard



Tunnel Boring Machine

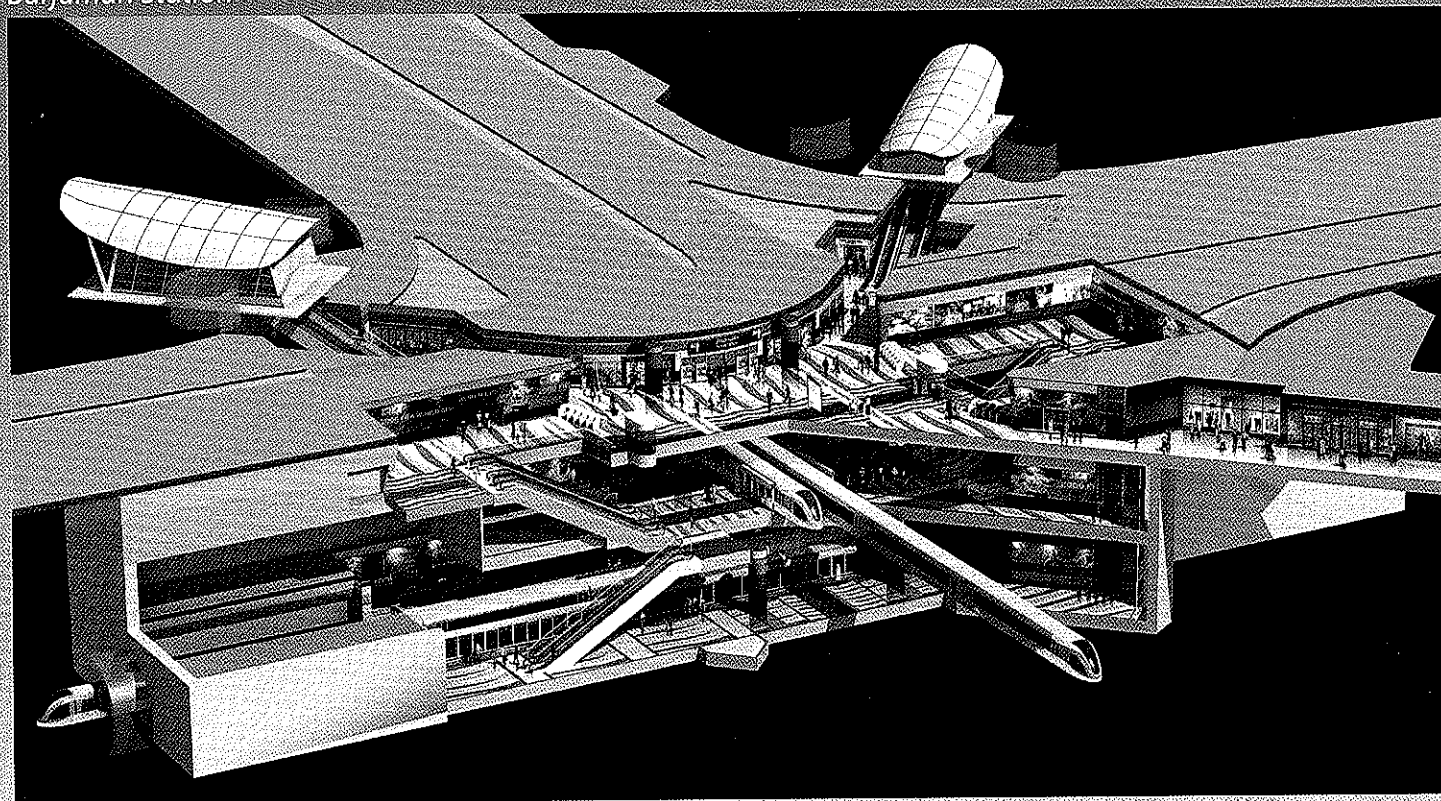


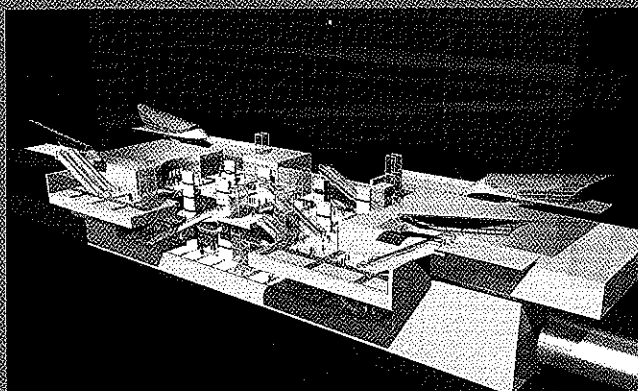
UNDERGROUND STATIONS

Burjuman Station construction site

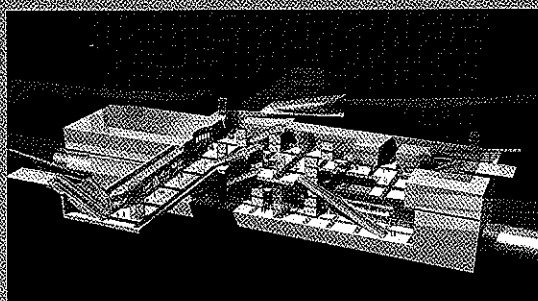
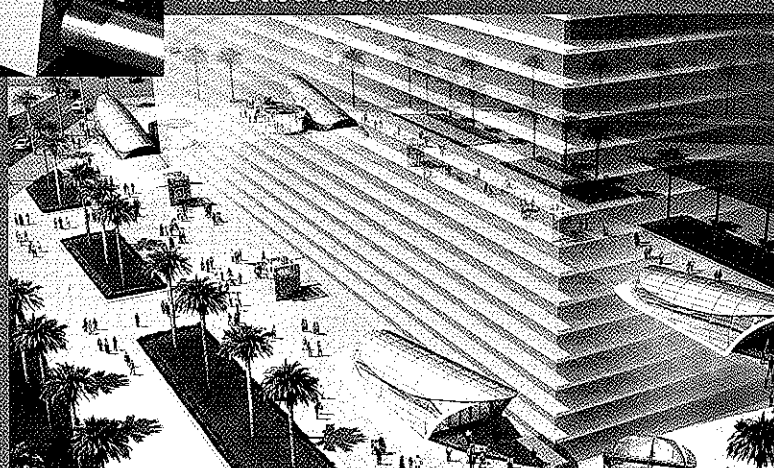


Burjuman Station

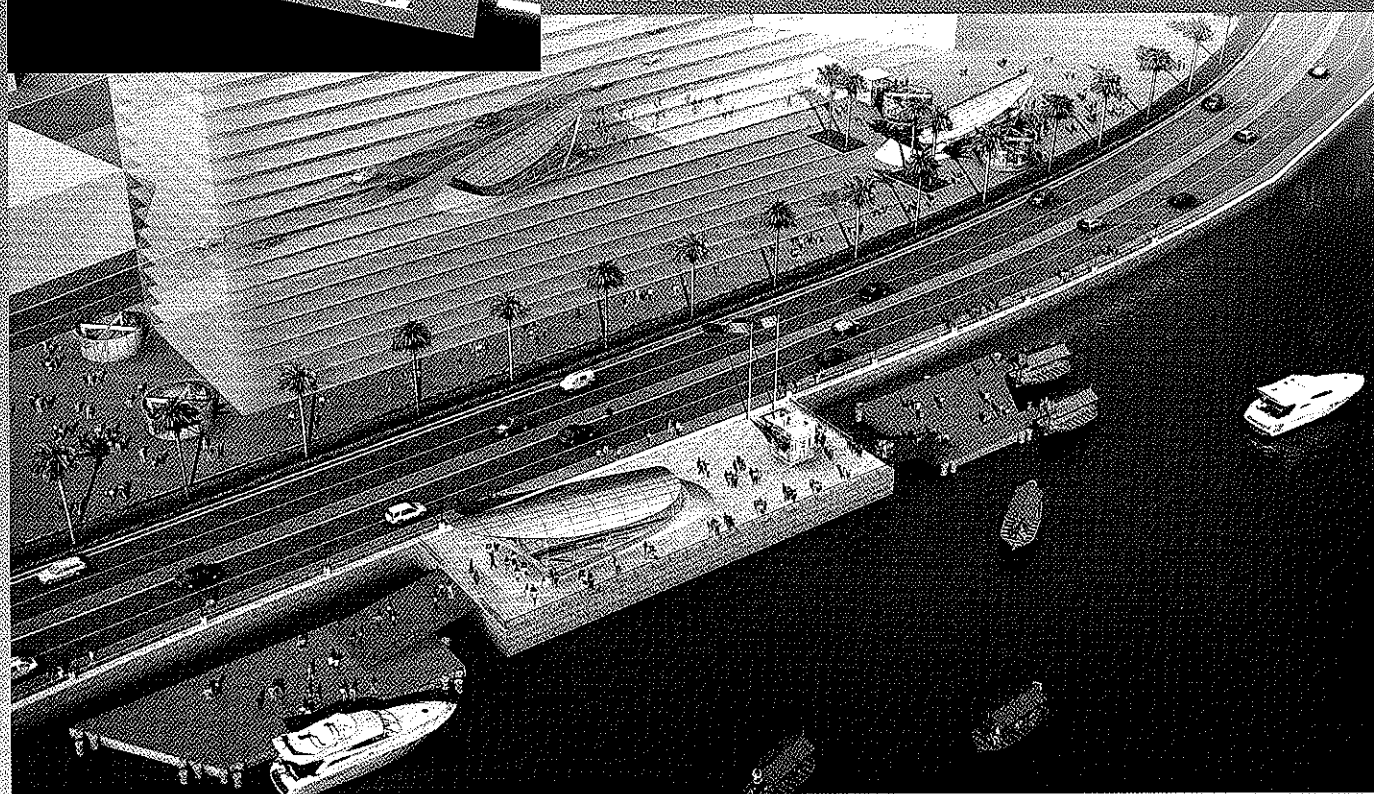




Al Ghubaiba Station

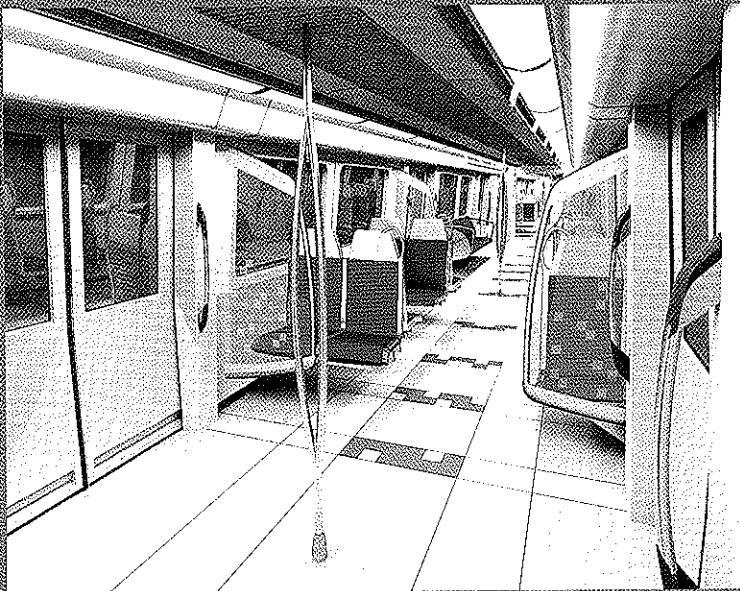


Al Ras Station



MAIN SYSTEM CHARACTERISTICS

- 5 cars, 85 m long, 2.78 m wide
- Proportion of seats according to RTA requirements
- Air-Conditioned Trains
- Automated Driverless System
- Platform Screen Doors
- Third Rail Electric Traction
- Tollgates
- Smart cards





Meteor system OCC



Dubai metro OCC



Meteor system in Paris

Dubai metro platform screen doors

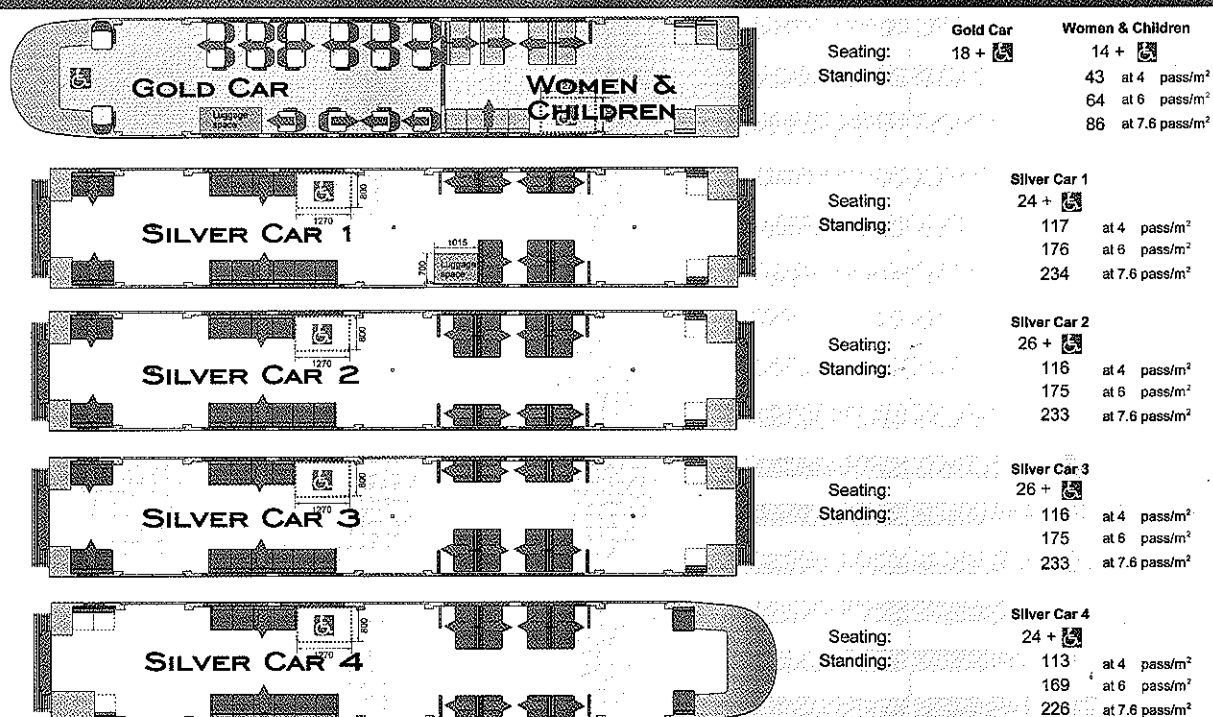


ROLLING STOCK

Exterior Coloring



Train Layout

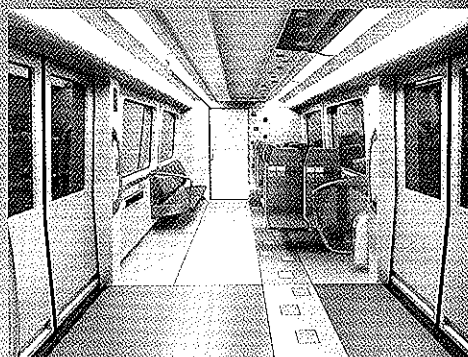
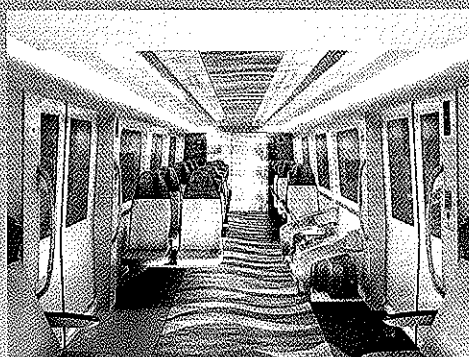


TOTAL CAPACITY	148	643	897	1150 Maximum Capacity
	Seating Only	Seating + 4 pass/m ²	Seating + 6 pass/m ²	Seating + 7.6 pass/m ²

Gold Car

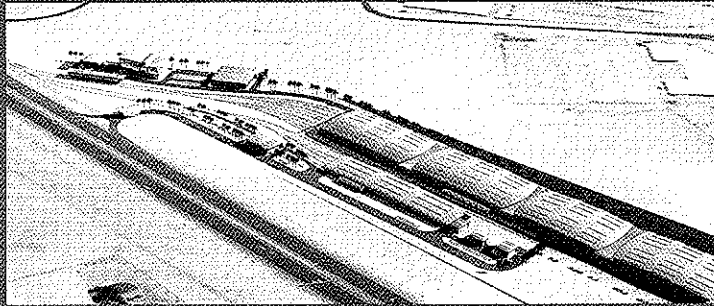
Women & Children Car

Silver Car



DEPOT AND CAR PARK

Jebel Ali Auxiliary Depot



Rashidiya Main Depot



Rashidiya Multistory Car Park





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Tel: +971 4 223 01 44 - Fax: +971 4 223 10 88

