

Parallel Session 2B – Services & Commercial activities

Transforming Isfahan's railway station to an "Eminent Service Center" in a 20-year horizon





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Project Manager







Results

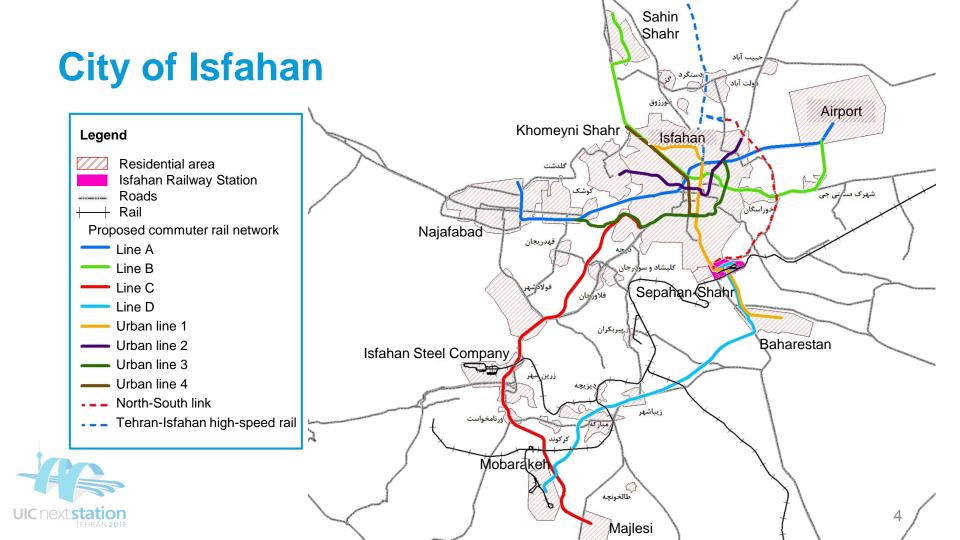


Conclusions

Introduction (Isfahan's remarkable potentials and capacities)

- Site's location
- Railway station area (728 hectare)
- Public transport system's promotion
- Increase in freight demand
- Increase in passenger demand
- Access to Isfahan Shiraz road (Shahid Dastjerdi Highway)
- Commuter trains' development plan (Fooladshahr- Isfahan and Baharestan -Isfahan)
- low geological hazards
- Vicinity to Sepahan-shahr residential area
- Sepahan-shahr's young population composition
- Nearby urban development projects
- Tourist destination and major industrial center





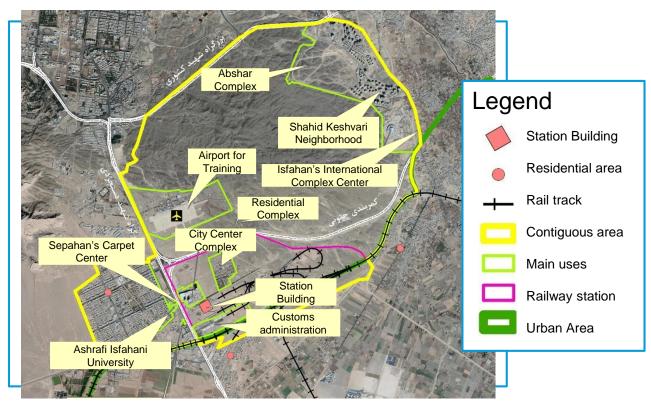
Contiguous Area





UIC next

TEHRAN 2019



Study Objectives



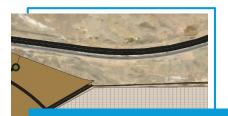
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Increase the efficiency and affordability of station and create an urban identity for Isfahan





Create an active and vibrant urban environment



Preserve and promote the aesthetics and indigenous identity of the city of Isfahan



Methodology

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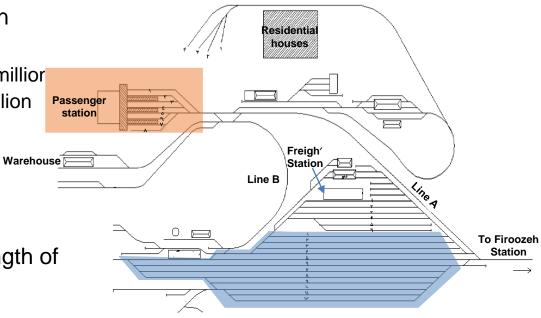
- Initial study, including overall feasibility study and determining the scale of the study (City/region, corridor, station area)
 - Determining the vision, strategies, policies, and goals
- Scenario building and prioritizing, selecting best case scenario and developing the plan
- · Complementary studies and determining the details of the project



Approval procedure, stakeholders' identification, and project implementation

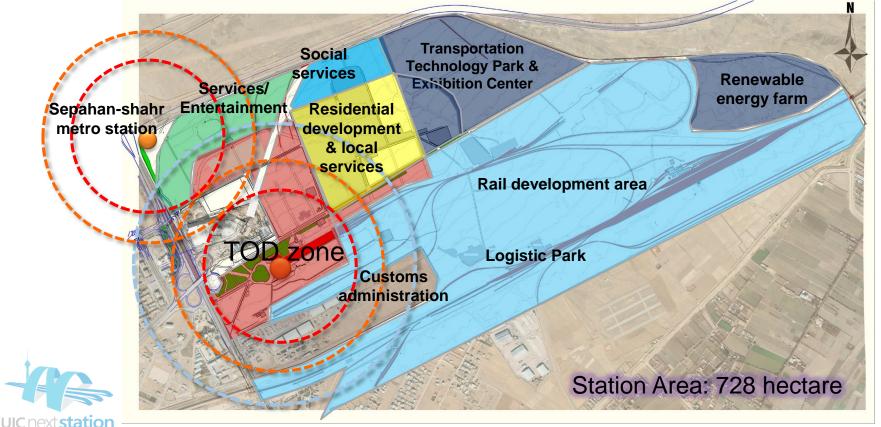
Isfahan Railway Station

- Freight Demand (2041): 36 million ton
- Passenger Demand(2041):
 - long distance (passenger per year): 2.1 millior
 - commuter (passenger per year): 24.2 million
- Num. of freight lines: 12
- Num. of passenger lines: 7
- Three passenger platforms with a length of 470 m

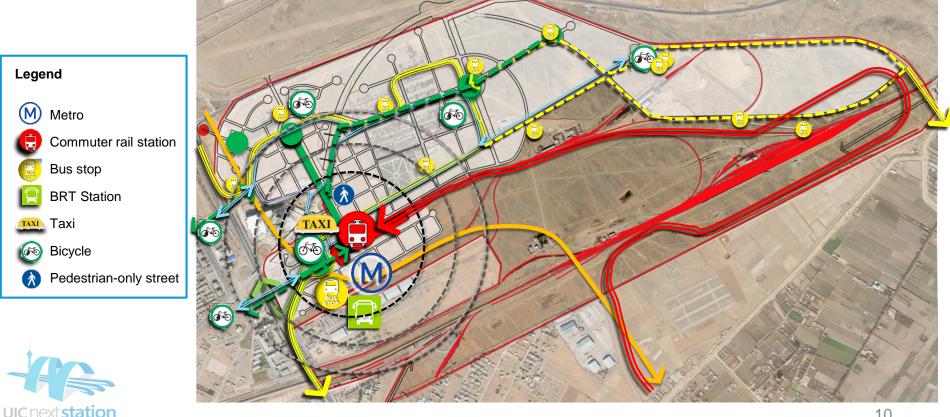




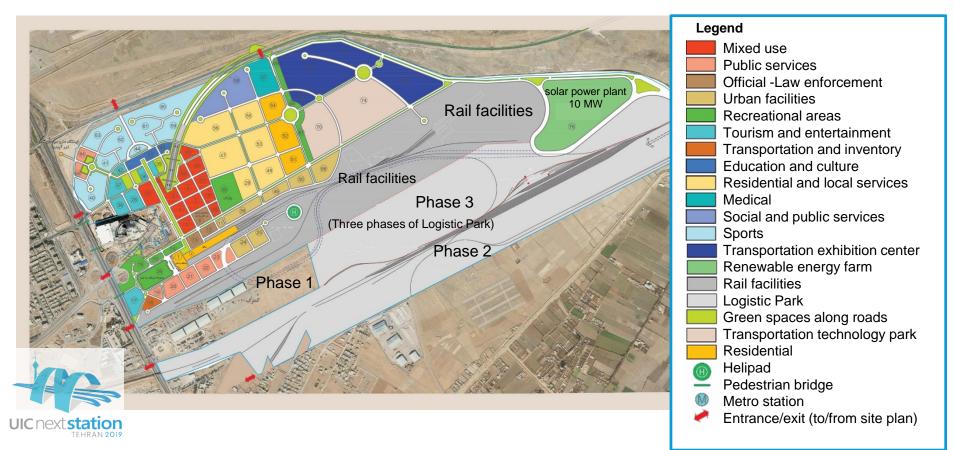
Best Case Scenario



Integration of Different Modes of Transport



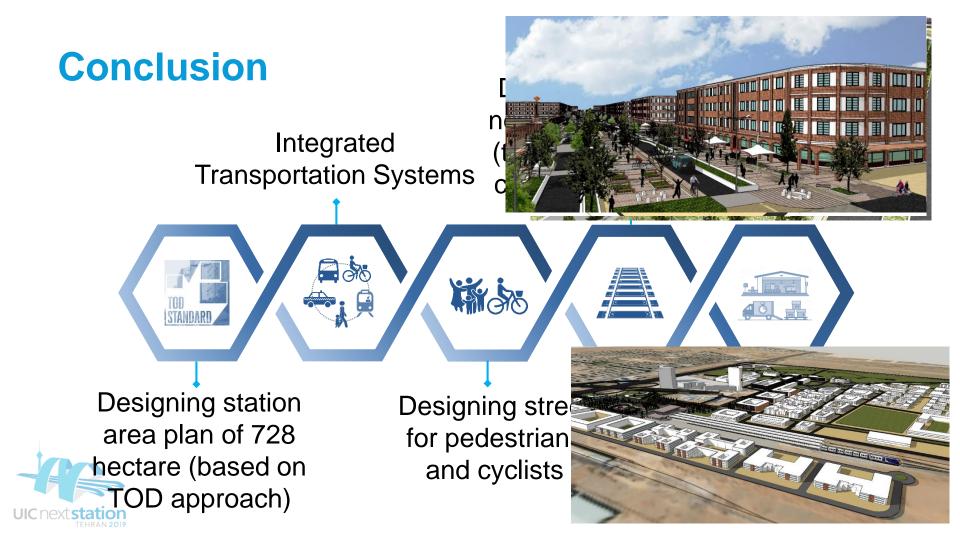
Determining the Details of Land Use Planning



Economic Evaluation and Feasibility Study

	Investment cost	82,795,341
	railway share	30% (25,102,759 million Rials)
	Investor share	70% (57,692,582 million Rials)
	Assignment period	20 years
Rail facilities and logistic park	Rent-free period (paid to Railway)	5 years
	Percentage of rent to railway from user income	0%
	Average rent during operation period (paid to RAI)	2,751,281 million Rials
	Internal rate of return (IRR)	23.97 %
Legend	IRR for Investor	26.18 %
Phase 1	IRR for RAI	93.93 %
Phase 2 Phase 3	NPV (15%)	11,325,750 million Rials
Phase 4	NPV (investor share)	1,026,186 million Rials
	NPV (RAI share)	12,289,596 million Rials





Thank you for your kind attention

