

NEXTSTATION

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Multimodal Station as A New Center of City

Case Study: Hamedan Station

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3-B - Technologies



CONTENT



- • **Introduction**
- • **Case Study: Hamedan Station**





Introduction

- A multimodal station offers many opportunities to enrich the public realm:
 - ❖ support social sustainability
 - ❖ create conditions for the economic recovery of inner city areas.
- A multimodal station is a **social**, **economic** and **spatial** point of exchange, not merely a **transport** hub.





Social Factors

- Social sustainability is an essential starting point in any discussion of multimodal stations.
- The transport hub is a social hub where many people gather for different purposes. Hence they are complex social places

Nieuw Hoog Catharijne, Utrecht, Netherlands



Atocha, Madrid, Spain





Economic Factors

- The multimodal station has big economic impacts which can run counter to social gain:
 - ❖ Develop new business districts
 - ❖ Establish cultural, administrative and educational hubs within walking distance
 - ❖ Increase the value of adjacent lands

Aerial View



Interior Mall



Victoria City, Bucharest, Romania





Transport Factors

- The primary role of a multimodal station is that of accessing varying forms of transport (both public and private) while providing a gateway to cities.
- A key quality is that of connectivity in **space** and **time**.
- Generally, there are four types of transport interchange depended on their basic modes: train, bus, ferry and airport.



New Street, Birmingham, UK





Spatial Design

- Multimodal stations are both:
 - ❖ Nodes within a transport network to meet the transportation needs.
 - ❖ Places within the city to meet other civic (social, cultural, recreational, ...) needs.

Urban regeneration of Parma Railway Station





Location of station

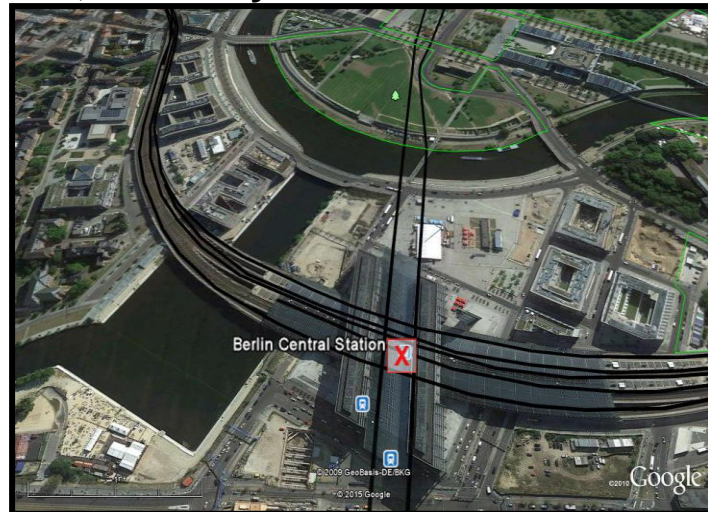
Central city

- Better connection with existing urban fabric
- Adequate travel demand
- Huge impact on existing transport network
- Inadequate land resource

Outskirt /New Town

- Transit Oriented Development (TOD)
- Lower Land Price
- Bad connection with inner city
- Inadequate travel demand

Berlin Central Station, Germany





Location of station

- Urban areas tend to be not monocentric and try to have often urban locations outside of the center where major employment, services and facilities can also be found.
- Thus:

Multimodal stations become the centers of their districts, new centers of urban and civic life.

Kharkiv, Ukraine



Bangkok, Thailand

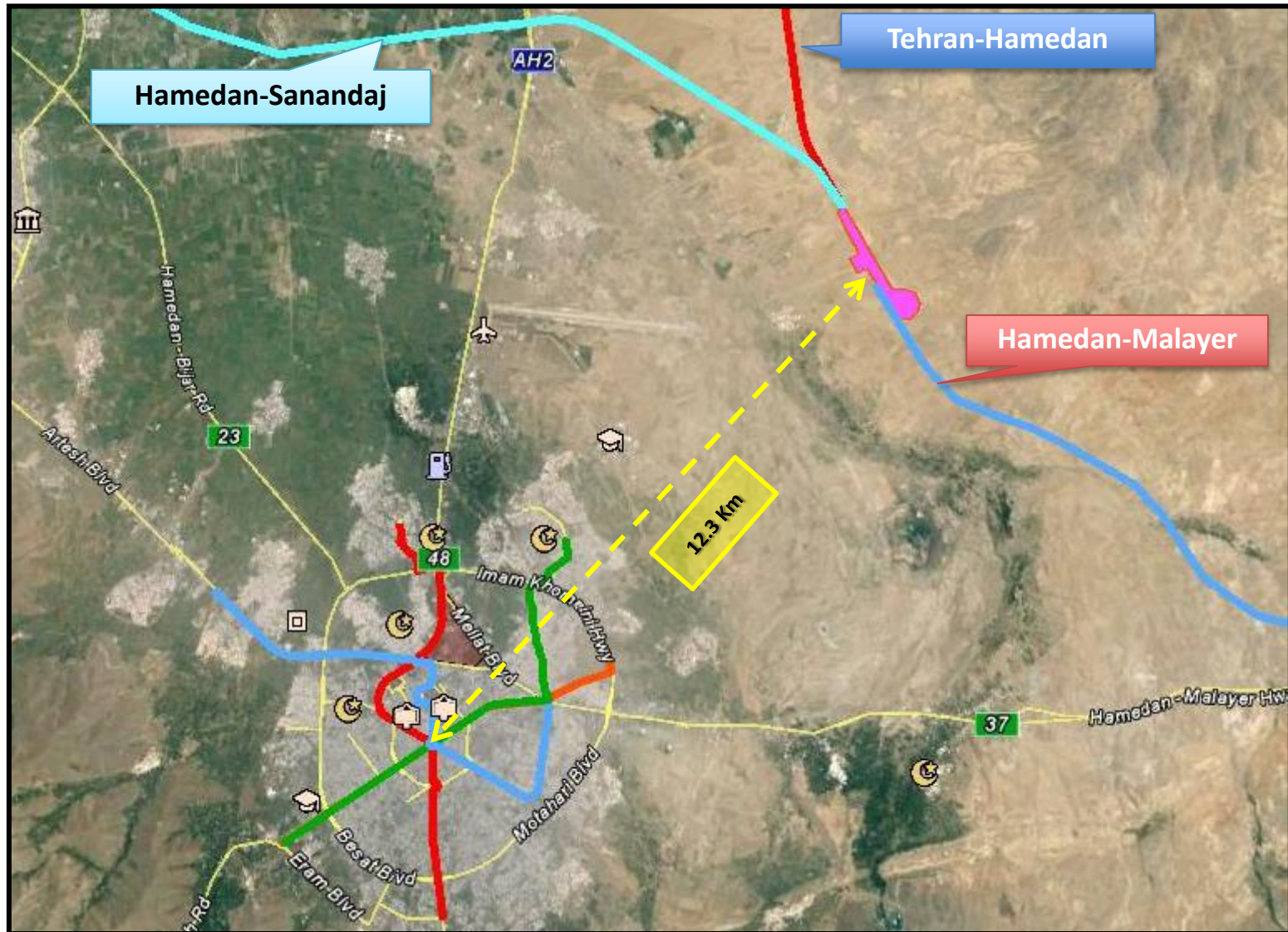


Jinan, China



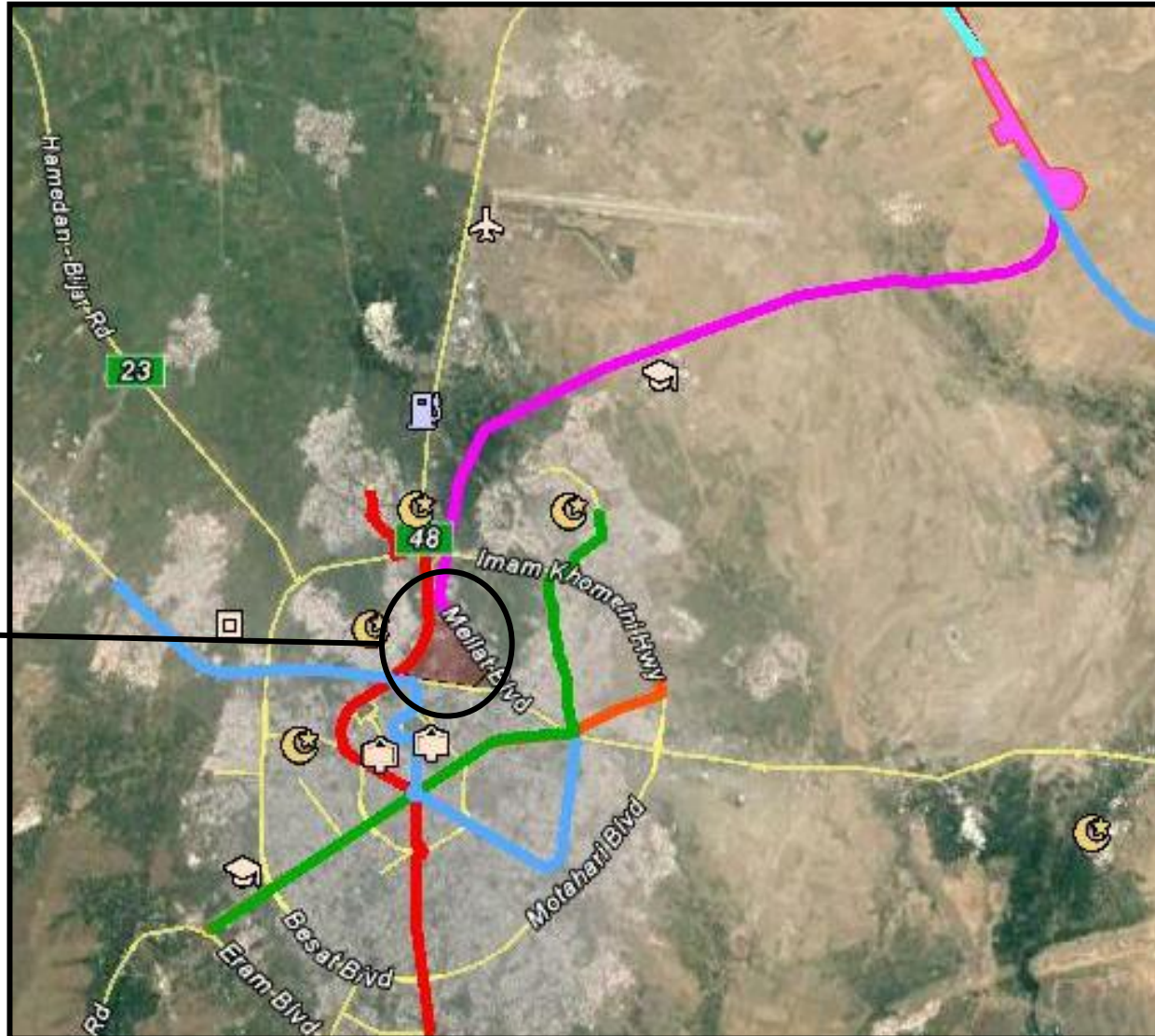


Hamedan Station- Old Location





Hamedan Station- Proposed Location



Proposed Location





Hamedan Station- Proposed Location



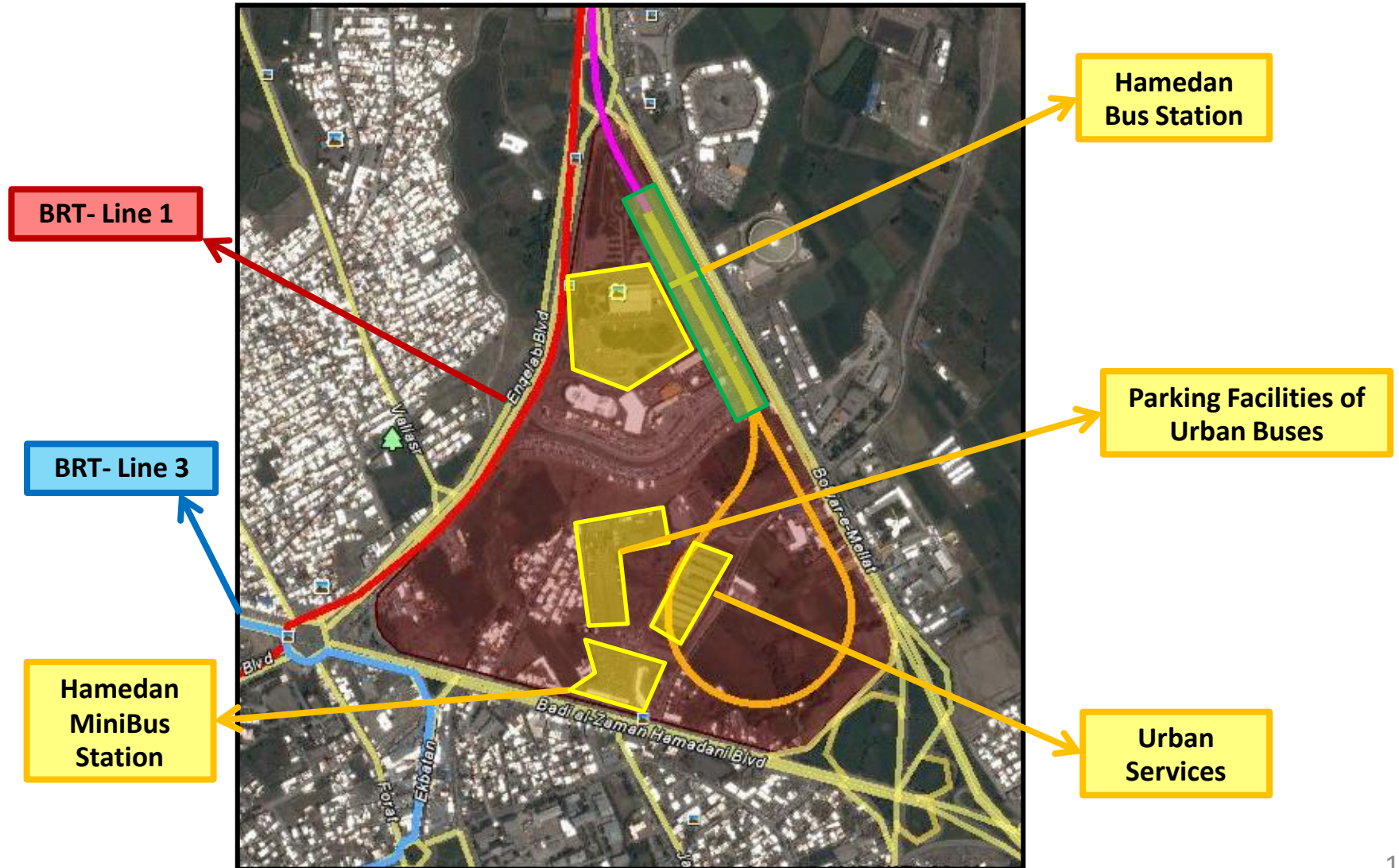
Ashoura Square

Sepah Square

Toward Malayer



Connection with Other Transit Modes





Advantages

- Better accessibility
- Good connection with the transit modes
- Implementation of Transit Oriented Development (TOD)
- Establishment of an ideal multimodal station
- Increase of public satisfaction, travel demand and consequently total revenue of station



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THANK
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