

Accelerating Iran's maritime trade and economic growth







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## Introducing Roland Berger





# Roland Berger is a leading global strategy firm with successful operations in all major international markets

## Our global presence





# We have deep experience and expertise in supporting ports and maritime sector development around the world

Selected Roland Berger clients in ports and shipping





# Our maritime practice, among others, supports Governments, port authorities and port and terminal operators across the world

## Our port sector service offerings







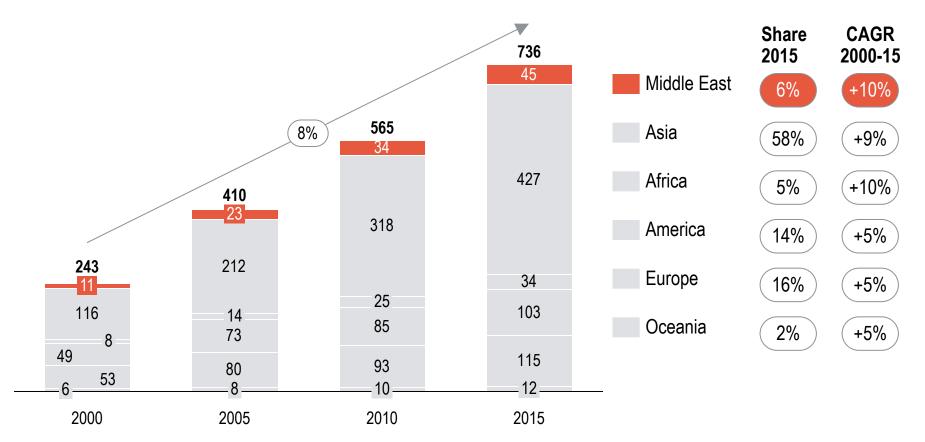
Regional maritime developments





# Trade in the Middle East has been and is growing at a rate that is above the world average

Global container trade [2000-2015, TEUm]



Source: UNCTAD, Roland Berger



## Iran has a strategic location, that can be leveraged by its ports visà-vis the Gulf region, Central Asia and beyond

Overview of key ports<sup>1)</sup> in Iran



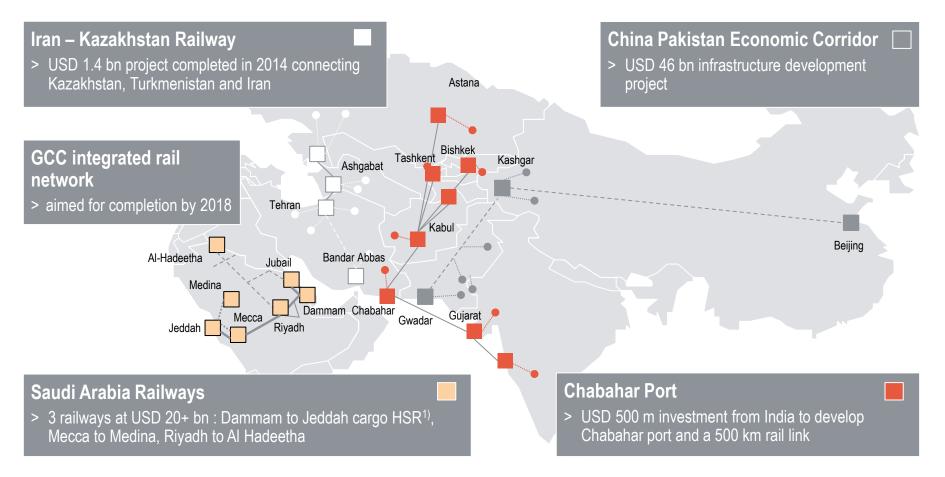
1) Many other smaller ports are not included in this map

Source: PMO, Roland Berger



# Rapid expansion of transport infra in corridors around the Gulf region means "hinterland-expansion" opportunities for some ports

New regional transport infra initiatives



Source: Railway gazette, MENA Railway Post, Economic Times India, Financial Times, Wall Street Journal, Xinhua, Roland Berger



## Ports as engines of growth





# An integrated approach to port development strategy formulation is required in order to maximize its economic impact

Developing ports as real economic "engines of growth"



## Key challenges

- > Which is the best port management model, taking local and regional factors into account?
- > How to attract investors and industries that sustain port business?
- > What is the best way to finance port (re-) development?
- > How to manage and integrate ports, inland infrastructure, industry, transport systems, logistics?
- > What are the best development locations?
- > How to do port master planning?
- > How to ensure and improve port performance?

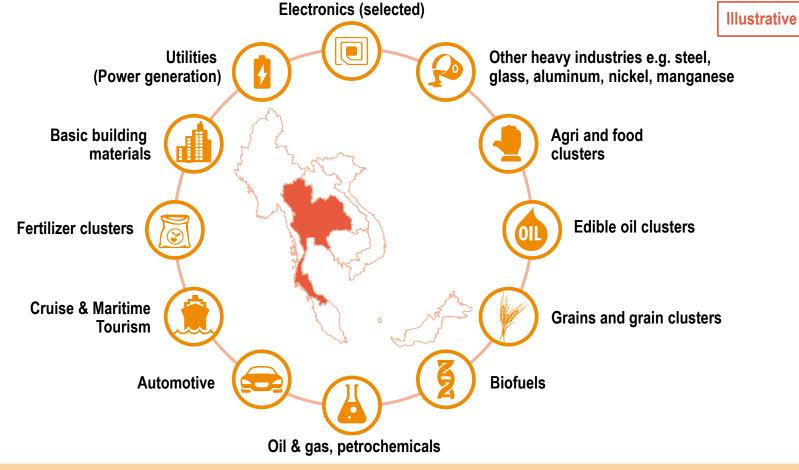


# To stimulate maritime trade and economic development, at least 5 strategies can be adopted for ports to become engines for growth

Port development strategies Industrial engine of growth	<b>Description</b> Develop & attract "heavy" industries that are directly port-dependent (steel mills, refineries, smelters etc.)	Rotterdam	Tanger	Singapore
Major logistics hub	Provision of full logistics services (storage, packaging, 3PL, 4PL) to optimize global supply chains	$\checkmark$	X	$\checkmark$
Transshipment trade development	Global hub for transfer of goods en route between origin & destination	$\checkmark$	$\checkmark$	$\checkmark$
Pro-active expansion of regional hinterland	Gateway for export & imports for region rather than home country = transit trade development	1	1	$\checkmark$



# Ports that adopt the "engine of growth" concept, typically design specific strategies for developing port-dependent industrial clusters



Typical port-dependent industries, requiring close proximity to port / berth facilities



# Port of Rotterdam's vision and development is geared towards fostering economic prosperity to the country AND the region

**Overview of Port Rotterdam** 

### Port Vision 2030 Port of Rotterdam layout Port of Rotterdam Petroleumhaven, Merwehaven, Maasvlakte 2 Europoort Old habour Waalhaven Port Vision 2030 > Container transfer > Heavy industry > Cold storage warehousing > Tourism (Chemicals, steel, > Chemicals > Inland distribution centers automotive) industry **Europe's Industrial Global Hub Vision** > Warehousing **Cluster Vision** > Seaport distribution Port of Rotterdam **FUROPE - ROW** > The Port Vision is underlined by 2 strategic visions > Implemented through the layout of the Port Old trade areas Maasvlakte **Botlek** Eemhaven > 5.3 bn Eur VA of industrial cluster since launch in 2011 > Container handling > Heavy industry > Cold storage > Tourism

> Inland distribution center

> Toxic waste dumping

> Power stations

(Chemicals, steel,

> Construction (Ro-Ro and

automotive)

project cargo)

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warehousing

centers

> Inland distribution

> Container handling

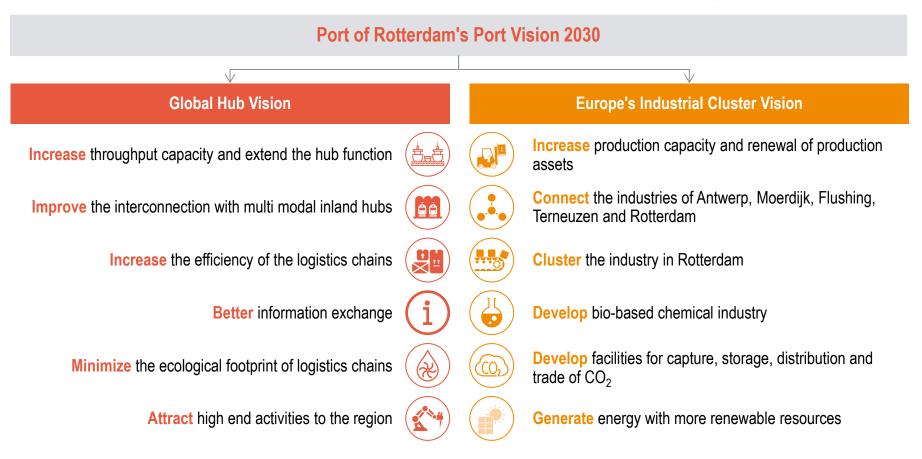
Port of Rotterdam



# The Port of Rotterdam has a wide set of actions and tasks clearly mapped out in order to achieve its ambition by 2030

Port of Rotterdam implementation agenda







# Engines of growth opportunities in Iran

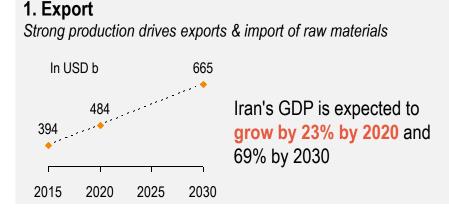






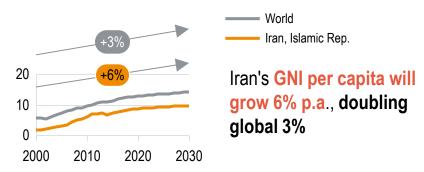
# Lifting of sanctions, expanding connectivity, growing consumption and production provide the conditions to accelerate industrial development

## Growing port throughput demand



2. Import

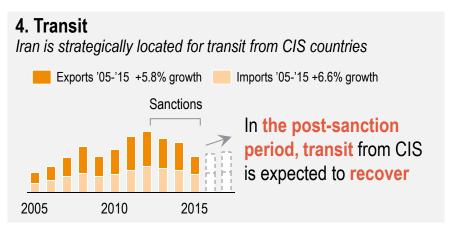
Income & spending is a strong driver for imports



**3. Transshipment** Global trade increases transshipment

Global seaborne trade surpassed 10 billion MT for the first time in 2016

Shahid Rajaee Port is strategically located and has the potential to capture a higher transshipment share

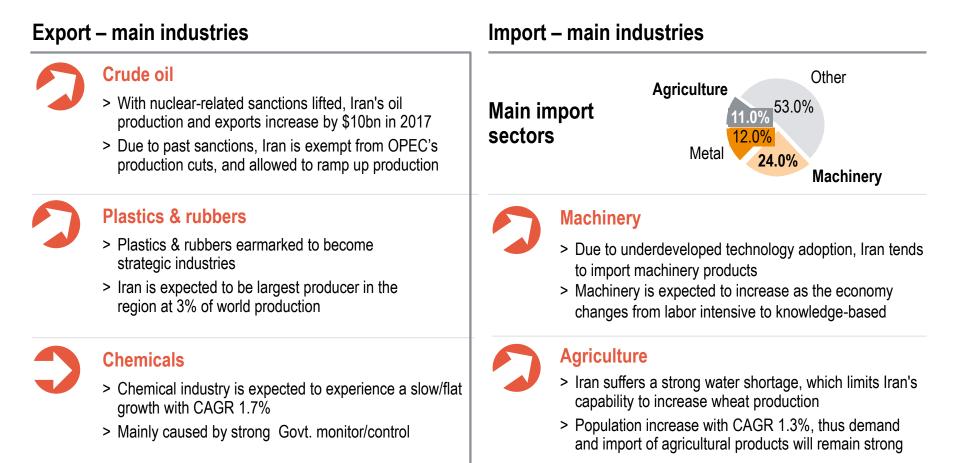


Source: UNCTAD, Oxford Economics, Euromonitor, Worldbank, Roland Berger analysis



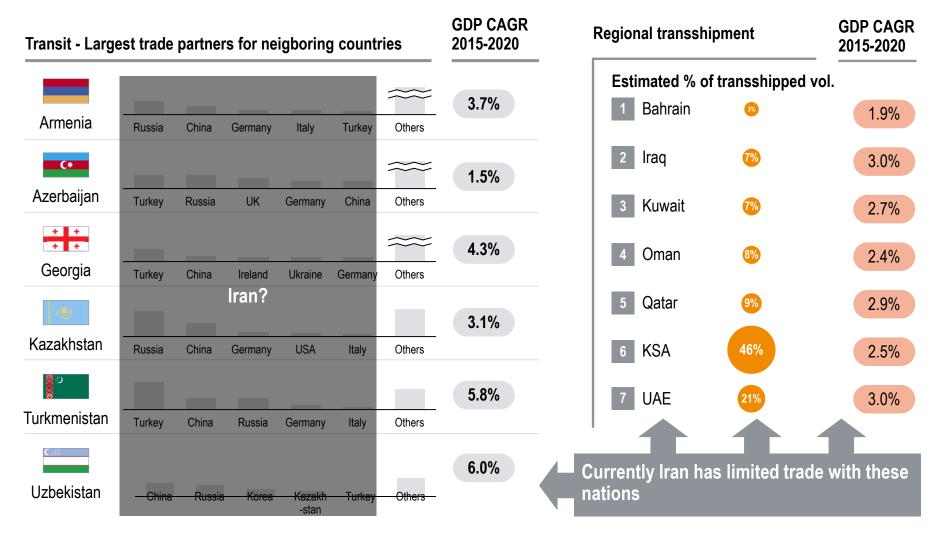
# Expected growth in import and export provide the basis for adoption of some/more/all of the 5 potential development strategies

## Sample growth drivers





## There is now a clear opportunity for Iran to expand its port business in both the transit trade and the transshipment trade





# Shahid Rajaee has all the ingredients for becoming an "engine of growth" - Rotterdam-style





## In summary, lessons can be learnt from leading ports that continue to grow and expand as result of smart development planning

## Key lessons from leading ports

- 1 Leverage strategic geographical positioning and develop strong hinterland connectivity in order to become regional gateways
- 2 Integrate industrial cluster approach to attract industrial and economic development linked to berthing areas within the port
- 3 Create a **best-in-class transshipment hub** via operational excellence, & strengthening of logistics and industrial ecosystem
- 4 Create a **world-class logistics hub** via fully integrated multimodal logistics platforms coupled with technological innovation
- 5 Develop strong **environmental and community engagement** to ensure deep support for port development across the community





## Please feel free to contact us for further information



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