

Status of the seafood industry and investment opportunities

in the Kingdom of Saudi Arabia

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NLFDP



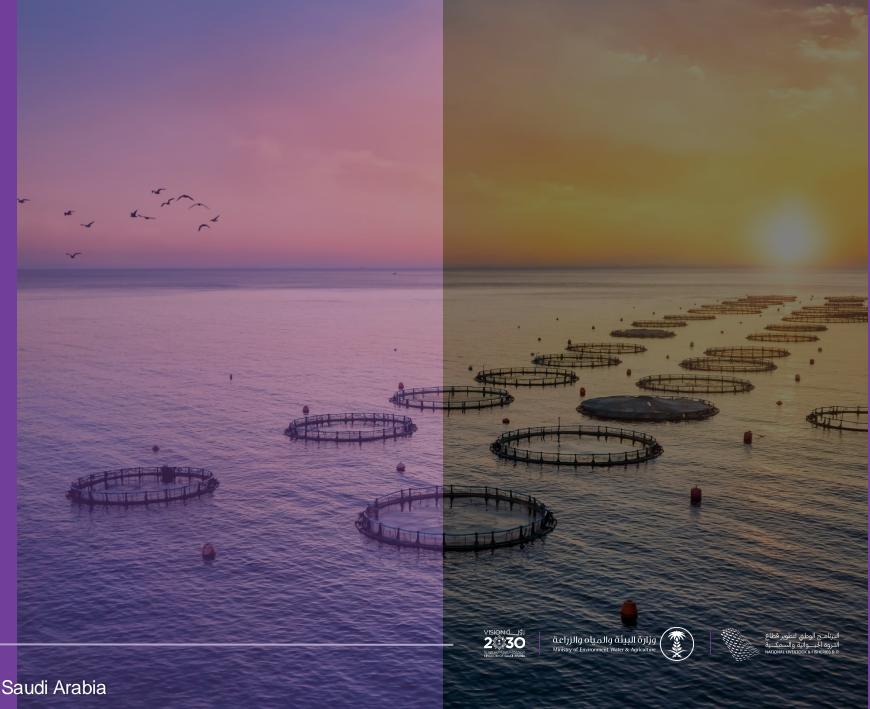






01

# Current Industry Status



Status of the seafood industry and investment opportunities in the Kingdom of Saudi Arabia

# Significant Investment in Infrastructure & Know-how / Shrimp farming





Litopenaeus vannamei











#### Significant Investment in Infrastructure & Know-how / Marine fish farming



Asian Seabass

Lates calcarifer



Sobaity Sparidentex hasta





Mediterranean Seabream

Sparus aurata



Marine Tilapia
Oreochromis spilurus









# Significant Investment in Infrastructure & Know-how / Fresh water fish farming



Tilapia

Oreochromis niloticus



Salmon trout

Oncorhynchus mykiss













# Significant Investment in Infrastructure & Know-how / RAS or Aquaponics

















# Significant Investment in Infrastructure & Know-how / High food-hygiene standards

















#### Significant Investment in Infrastructure & Know-how / Aqua feed mills













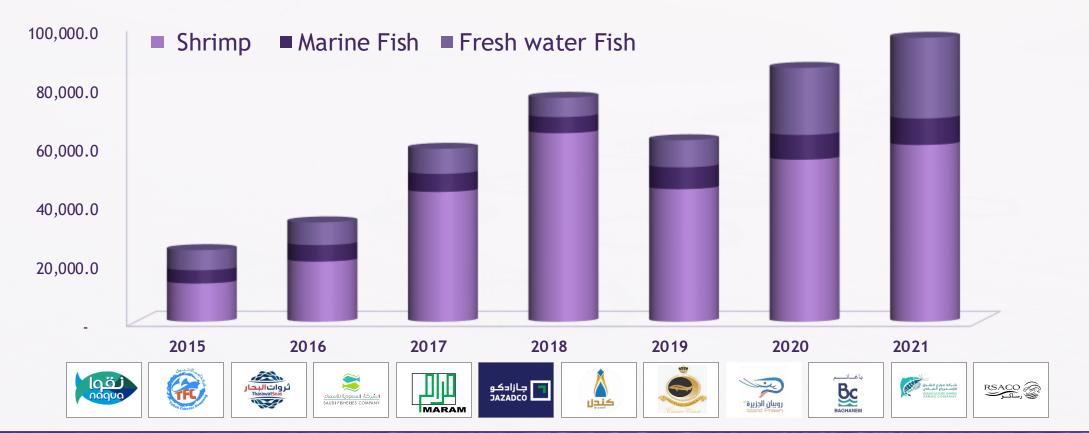






#### **Current Production**

From 2015 to 2018, total aquaculture production increased by 200%, from around 25 thousand tons to almost 75 thousand tons, and in 2021 surpassed 100 thousand tons









# **Strong Exports**







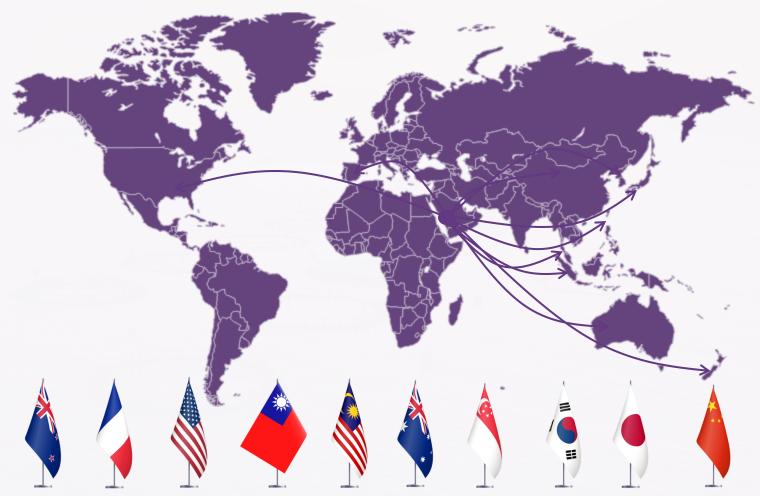












# 3 Process and product quality drivers

NATIONAL BIOSECURITY PROGRAM



INTERNATIONAL CERTIFICATION GSA/BAP



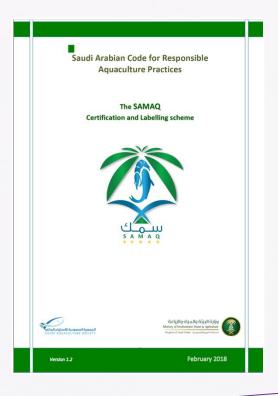
NATIONAL CERTIFICATION SAMAQ



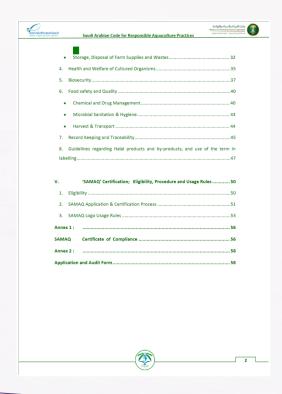


# 3 Process and product quality drivers

# NATIONAL CERTIFICATION SAMAQ











# Local product awareness increase and market development

#### SAMAQ B2C Labelling















#### Local product awareness increase and market development

All national aquaculture products marketed under SAMAQ, indicating their local origin and assuring of their

freshness and product safety

#### More local seafood consumption















Extensive R&D on new native species with high market potential



Disease prevention



Genomics



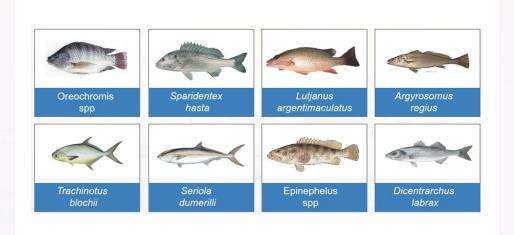
Growth rate B-FCR



Survival E-FCR



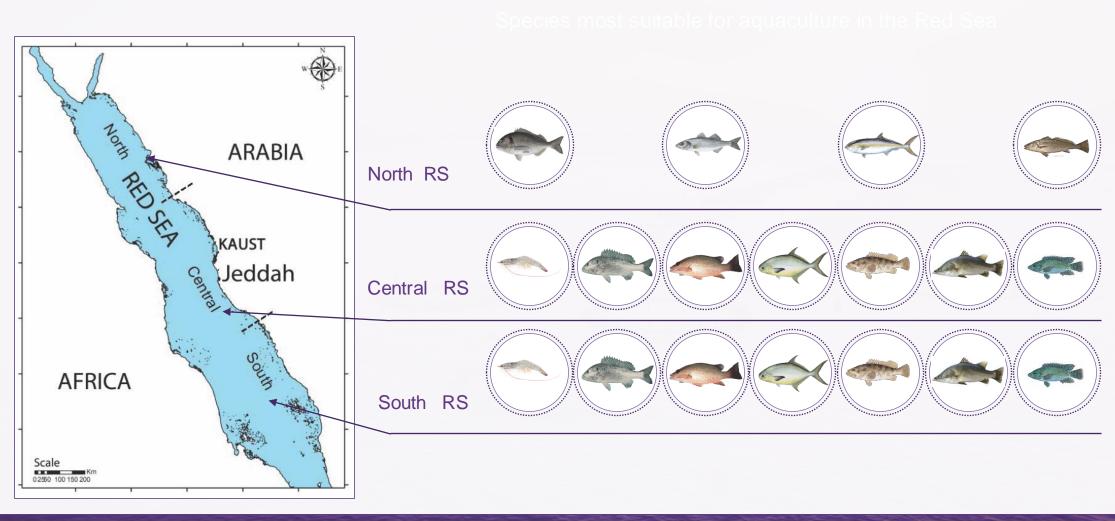
**Nutrition** 







# Extensive R&D on new native species with high market potential





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#### Regional Aquaculture Center of Excellence

#### **Key Differentiators**





Largest Center with the most comprehensive aquaculture R&D and aquatic animal health offering in the Red Sea and in the reglon



Extensive focus on developing and promoting local and regional species



Dedicated programs to develop local and regional capabilities across al aquaculture activities



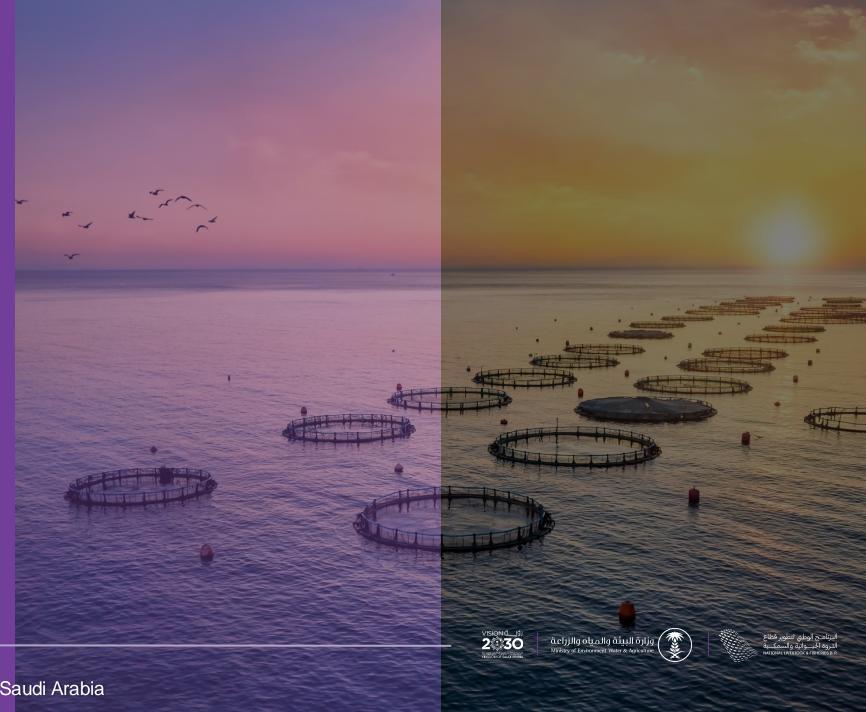
Environmentally sustainable through renewable energy usage, extensive water treatment, and mangrove plantation





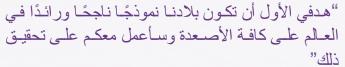
02

National Aquaculture Strategy



Status of the seafood industry and investment opportunities in the Kingdom of Saudi Arabia







فيما يخص الموارد الغذائية، سنواصل بناء مخزونات استراتيجية بمستويات آمنة وكافية لمعالجة الحالات الطارئة، كما سنبني شراكات زراعية استراتيجية مع الدول التي حباها الله موارد طبيعية من تربة خصبة ومياه وفيرة بما يحمي مواردنا المائية، وسنرشد استخدام المياه في المجال الزراعي بإعطاء الأولوية للمناطق الزراعية التي تمتلك مصادر مياه طبيعية ومتجددة. وسنركز جهودنا في دعم الاستزراع السمكي، كما سنعمل مع المستهلكين ومصنعي الأغذية والتجار للتقليل من كميات الهدر.





#### Aquaculture Sector Aspirations

Vision 2030 has set ambitious aquaculture sector targets to improve sector competitiveness and increase seafood production & consumption



**Program** 

#### Global competitiveness



As part of a larger drive to further develop the Saudi non-oil economic growth under Vision 2030, MEWA has set a strategic goal to develop a globally competitive aquaculture sector



#### AQUACULTURE SECTOR TARGETS FOR 2030

Increase local seafood consumption

100 %

Increase in seafood consumption per capita



Enhance food security

600K tons Total seafood production



Reduce local production costs

-30%

Production costs reduction (economies of scale and improved efficiency)

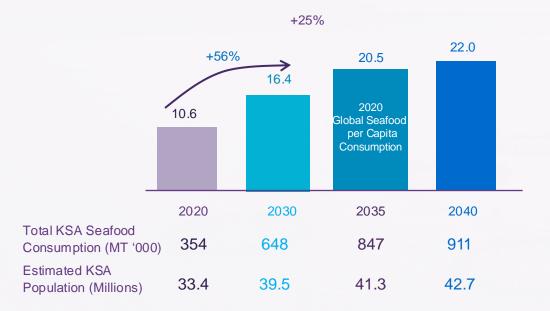
1. Targets set by NIDLP investor attraction source: MEWA, Vision 2030, NIDLP





KSA seafood consumption has the potential to reach around ~ 900k MT by 2040 at par with global average

#### KSA Seafood consumption (2020-2040, Kg/Capita)



1) Capture fisheries assumed to remain constant as per 2019 production numbers;

Source: Euromonitor, EU Science Hub (2019 world average), GAST(population 2018), World Bank(population 2030 and 2040), OECD, FAO, Strategy& analysis

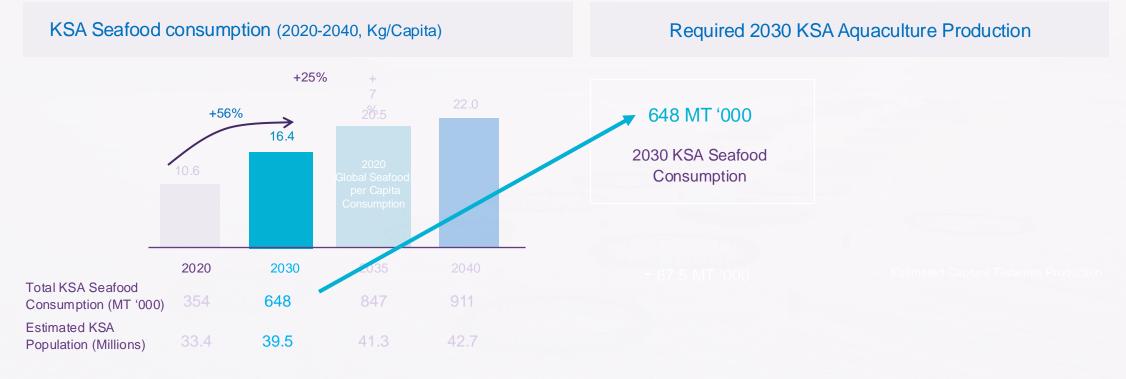






<sup>2)</sup> exports not to be considered as these contracts are usually locked in the long-term and cannot be rescinded

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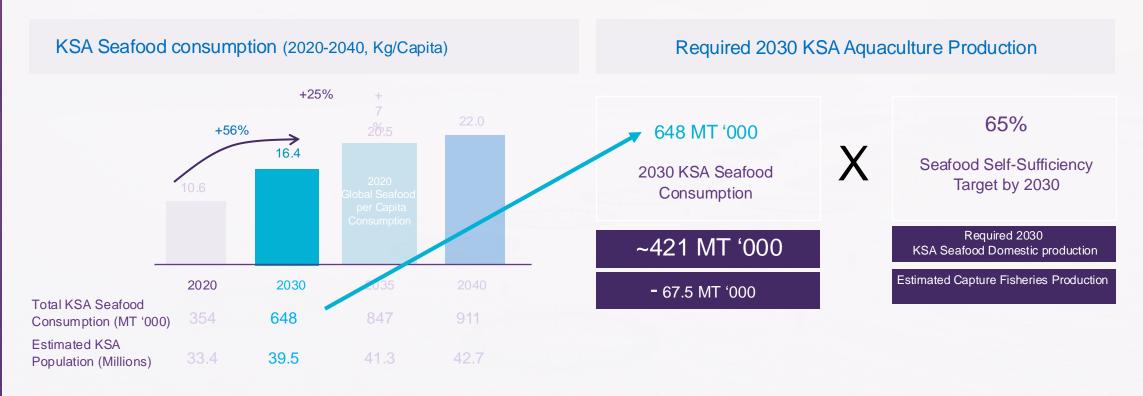


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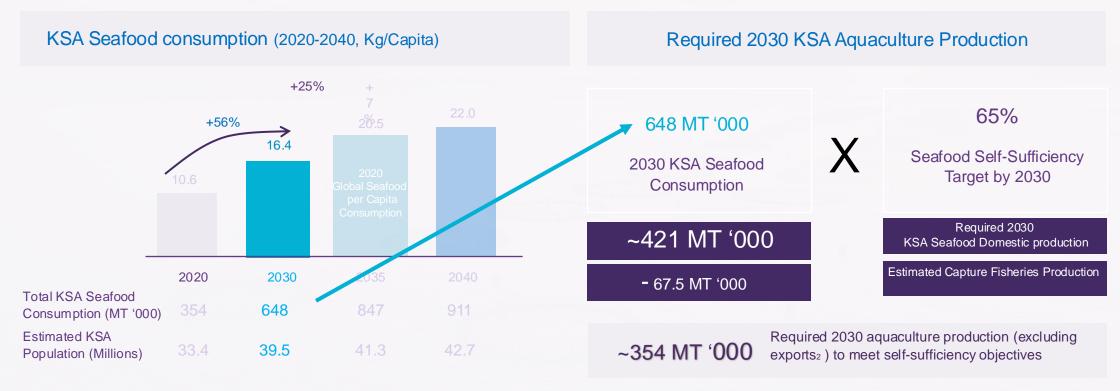






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2023 106 Mill tourists 2030 150 Mill tourists

Required 2030 KSA Aquaculture Production 65% 648 MT '000 Seafood Self-Sufficiency 2030 KSA Seafood Target by 2030 Consumption Required 2030 ~421 MT '000 KSA Seafood Domestic production Estimated Capture Fisheries Production - 67.5 MT '000

~354 MT '000

Required 2030 aquaculture production (excluding exports<sub>2</sub>) to meet self-sufficiency objectives





KSA seafood consumption has the potential to reach around ~ 900k MT by 2040 at par with global average



Located on northwestern edge of Saudi Arabia

26,500 sq km project area

Vision 2030 flagship project

\$500bn mega-city of the future

Hub for innovation and sustainable ecosystem for living and working

GDP contribution projected to top \$100bn by 2030

Will host a population of more than 1m

Expects to attract up to 5m visitors annually

#### AMAALA

Located on

northwestern Red Sea coast

3,300 sq km project area

Ultra-luxury tourism

Resort and wellness destination with own airport

2,500 luxury hotel rooms and 700 residential villas

Will feature an equestrian club and four yacht marinas

> Recently merged with the Red Sea

# Sea coast

northwestern Red 34,000 sq km

Located along the

project area Luxury tourism venture

along 200 km of pristine

9 islands backed by vast desert landscape and mountains

50 hotels, new international airport and a town for 35,000

To run on renewable energy, 100% carbon neutral, with a zero waste-to-landfill policy

Estimated 14.5m Will create 70,000 jobs visitors per vear will and contribute \$5.9bn contribute \$4.5bn to per year to the economy

Located in

southwest

Riyadh

334 sq km

project area

\$8bn city for

sports and the arts

Biggest entertainment city in

the world, three

times the size of Walt

Disney World Resort,

Florida

Will include

20.000-seat clifftop

stadium, F1

racetrack, Six Flags

theme park

entertainment.

2023

106 Mill tourists

2030

150 Mill tourists

#### Required 2030 KSA Aquaculture Production

648 MT '000

2030 KSA Seafood Consumption

~421 MT '000

- 67.5 MT '000

65%

Seafood Self-Sufficiency Target by 2030

Required 2030 KSA Seafood Domestic production

**Estimated Capture Fisheries Production** 

~354 MT '000

Required 2030 aquaculture production (excluding exports<sub>2</sub>) to meet self-sufficiency objectives



ARAB NEWS

#### 6 Strategic Objectives



Increase total production output to achieve self sufficiency target



Invest in training to build capacity



Support industry & enhance domestic competitiveness



Drive government led interventions



Develop a thriving domestic seafood market



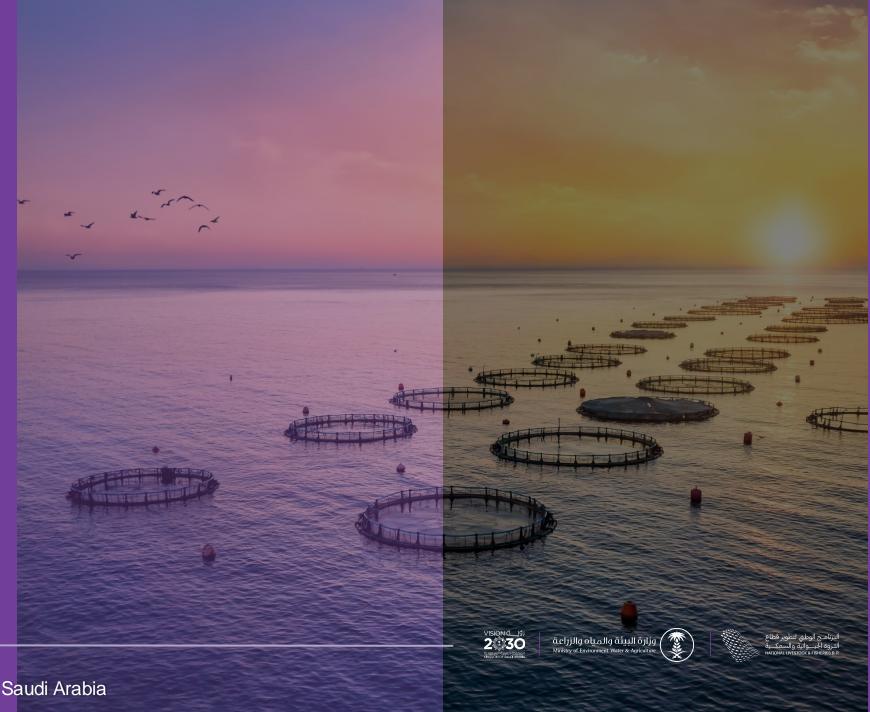
Attract investors & foreign players





03

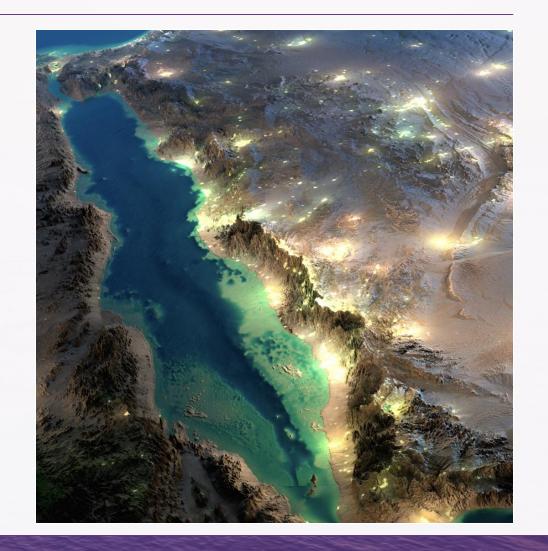
Aquaculture Investment Opportunities



Status of the seafood industry and investment opportunities in the Kingdom of Saudi Arabia

The Red Sea: A unique environment and a gold-mine for sustainable aquaculture development

- 1 Low industrialization
- 2 Low urbanization
- 3 No wastewater runoff
- 4 No river runoff
- 5 No red tides/ no eutrophication
- Suitable depths (80-30 m) Low wave heights (0.5 to 1 m)
- Pristine waters and good water circulation.







#### **Industry Growth Opportunity Drivers**



#### **PRODUCTION**

- Unexploited potential for:
- 1) marine fish cage aquaculture
- 2) Intensive shrimp farming
- 3) RAS
- 4) Aquaponics
- 5) Complementary businesses
- \*Aqua-feed mills including alternative proteins (insect / algae / bacteria)
- \* Commercial hatcheries
- \*Logistics & Distribution
- \*Processing & Product Value Adding



#### **MARKET**

- Increasing population
- Young population (new lifestyle, health conscious, working couples etc.)
- New consumption trends (HoReCa/ Online sales etc.)
- Proximity to expanding international seafood markets (EU, Russia, GCC, Asia etc.)
- New demand from Giga/Mega projects (NEOM, Amaala, TRSDC, Quiddiya etc.)



#### **INVESTMENT**

- Business friendly procedures
- Government support
- Various incentive schemes
- Foundation work (site selection/ allocation, market analyses, feasibility studies)
- Relatively lower energy costs
- Relatively lower cost of land
- Good logistic infrastructures (national/ international ports/airports, road network)





#### **Investment Opportunities**

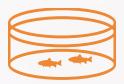
Attract investors & foreign players



Investment opportunities in lined ponds



Investment opportunities in sea cages



Investment opportunities in RAS (Recirculating Aquaculture System)



Opportunity (1) Shrimp



Opportunity (2) Shrimp



Opportunity (3) Fish



WY.

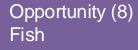
Opportunity I (4) Fish

Opportunity (5)

Opportunity (6)

Fish

Fish



Opportunity (9)

Opportunity (10)

Fish

Fish















Opportunity (12)

Opportunity (13)

Fish

Fish



Opportunity (15) Fish





Opportunity (7) Fish

Opportunity (11) Fish







# Investment Opportunities by species / type of production



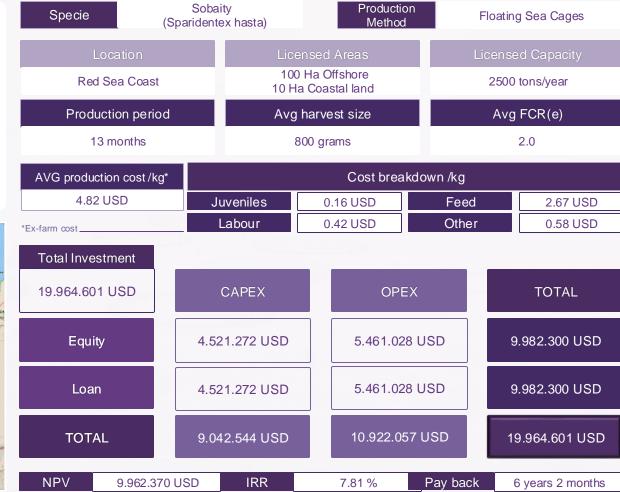




#### Investment Opportunities # 3,4,5











#### Other Investment Opportunities (Upstream)



#### Hatcheries



For the national production of around 260,000 tons of marine fish, the aquaculture farms will require 840 million fish juveniles



Equally for the national production of around 250,000 tons of shrimp, the aquaculture farms will require 21 billion of shrimp PL's





#### Other Investment Opportunities (Upstream)



#### AquaFeed mills





For the national production of around 530,000 tons of aquaculture products, the aquaculture farms will require 926,000 tons of aquafeed.







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### Other Investment Opportunities (Downstream)







### Seafood processing

Seafood processing and product value adding, based on the constant supply of high quality raw material (fish and shrimp) from the local farms, in order to satisfy the ever growing market demand for more convenient seafood products by the modern generation of consumers.



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### Other Investment Opportunities (Downstream)









### Seafood processing















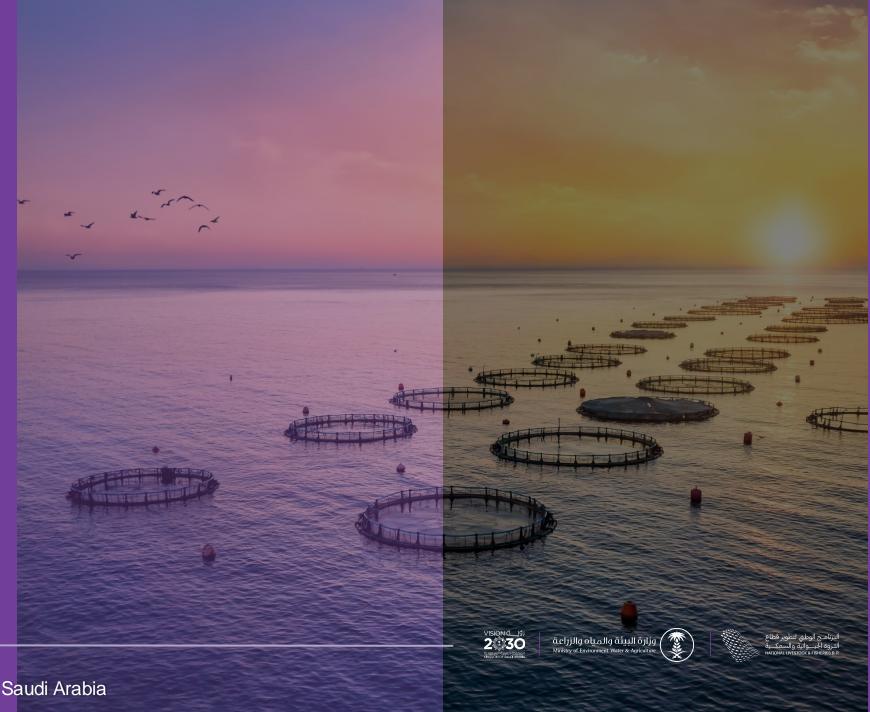






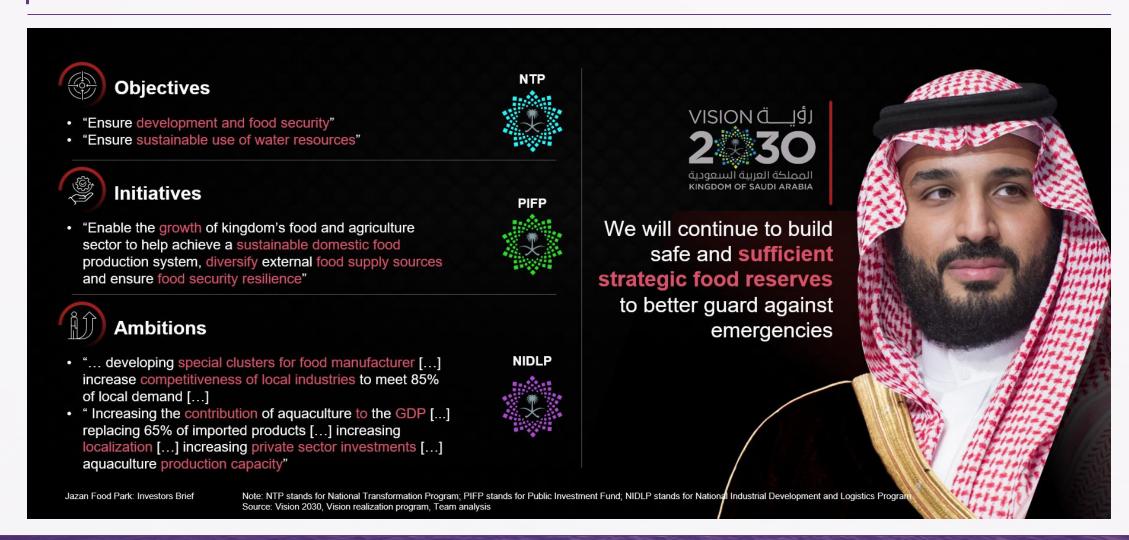
04

Seafood Processing
Investment
Opportunities



Status of the seafood industry and investment opportunities in the Kingdom of Saudi Arabia

Jazan Food Park: Integral part of the VISION 2030 plan to boost food production and resilience









All regions of KSA contribute to Vision 2030, with one of the mega projects located in the Jazan Region





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JFP benefits from strong connectivity to global markets and access to a competitive port

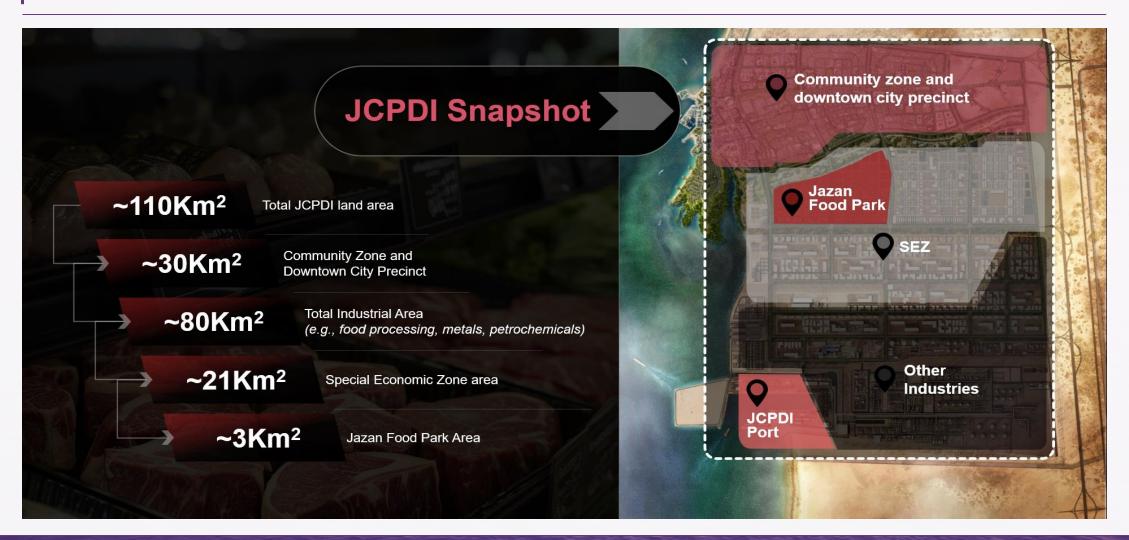






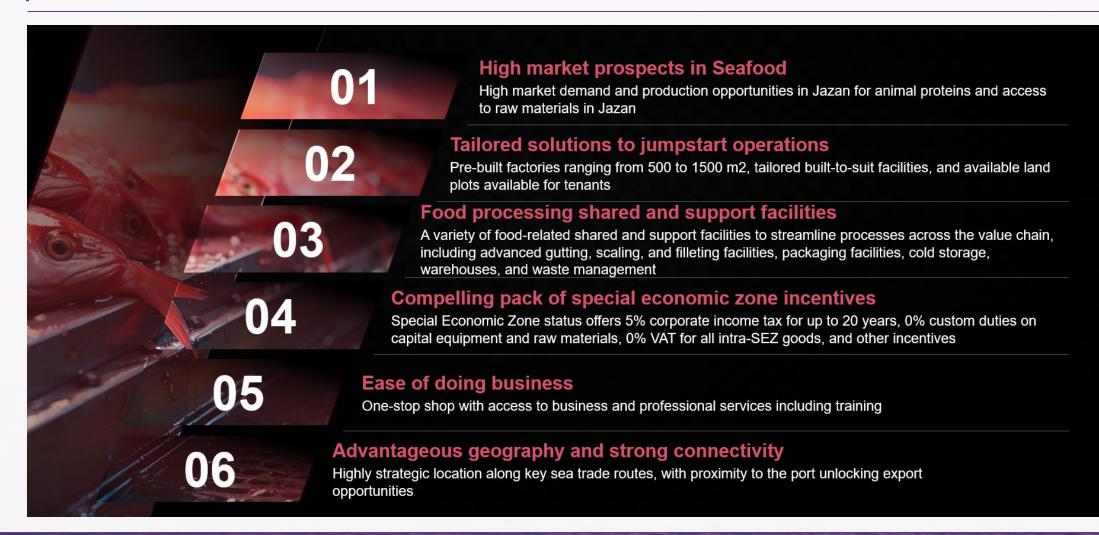


JCPDI is an industrial city hosting a SEZ and developing the Food Park





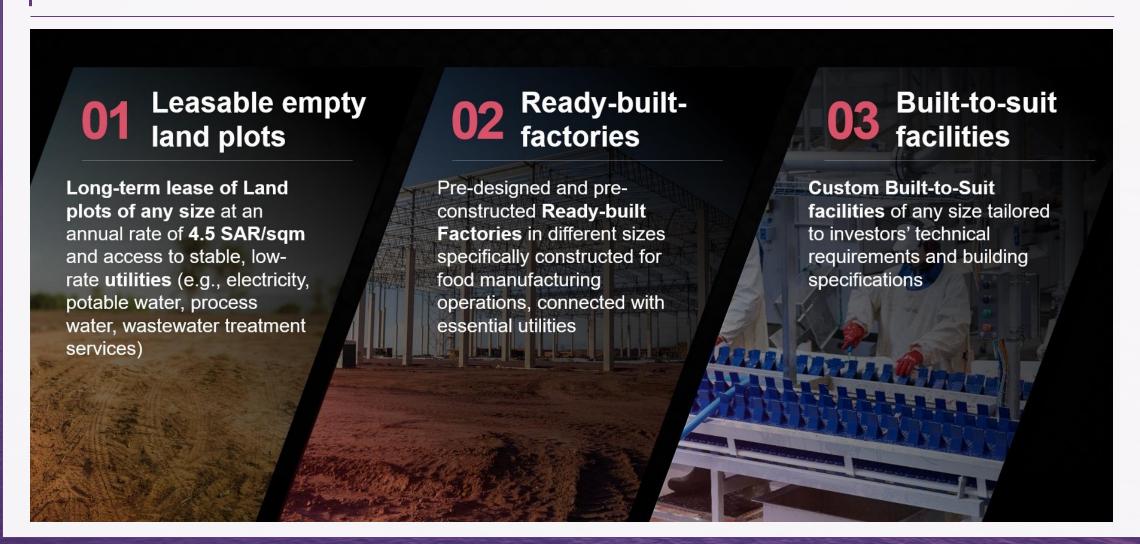
#### Six Reasons to Invest in Jazan Food Park







Tailored solutions: Tenants offered 3 options to kickstart their operations



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Jazan Food Park offers state-of-the-art shared food processing and support facilities

### FOOD PROCESSING SHARED FACILITIES



# Advanced seafood gutting, scaling, and filleting facilities

An advanced facility where seafood is expertly processed through **gutting** to remove organs, **scaling** to remove outer inedible scales, **filleting** to prepare clean, boneless fillets that are ready for packaging and/or further processing



#### Storage facilities

Warehouse are temperature and humidity-controlled facilities used to store/ preserve raw materials and processed products



### Packaging and canning

Advanced Packaging and Canning Facility, where food products are expertly sealed/packed into containers, cans, or jars for distribution and sale





### Food quality control labs

Food labs endorsed by SFDA and equipped for Halal certification, conduct tests and analyses to assess the safety and quality of seafood products and ensure that seafood products meet regulatory requirements and industry standards



## Food-specific waste management

Jazan Food Park offers an advanced waste management system designed to efficiently collect and recycle food-specific waste, promoting sustainable practices and industrial symbiosis while fostering a circular economy







The JCPDI SEZ provides a comprehensive range of unique incentives, incl. tax and trade incentives

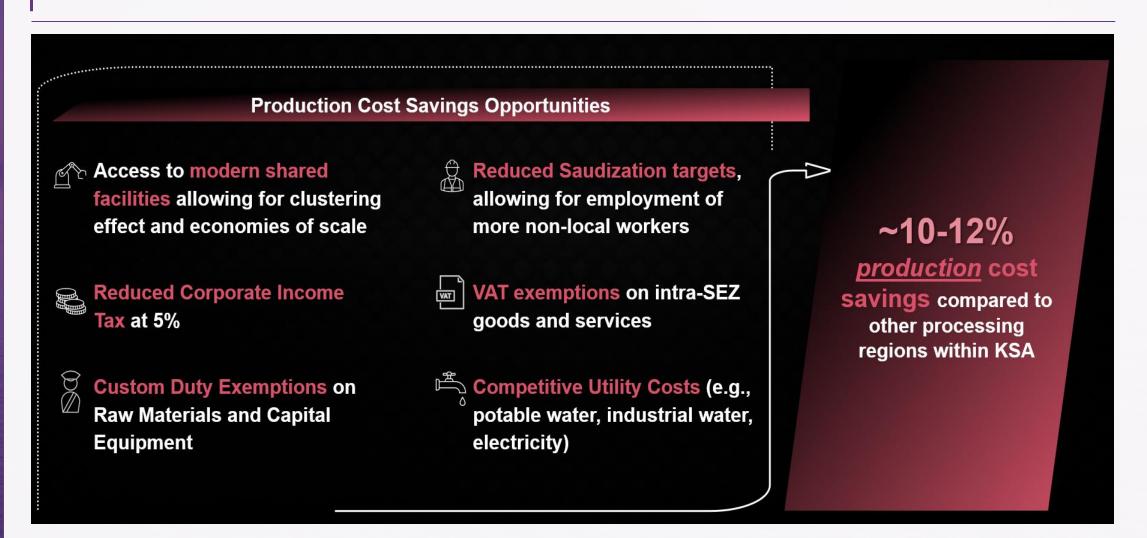
Tax and trade incentives **Financing schemes Regulatory incentives** 5% corporate income tax for up to SIDF industrial loans (75% of capital Relaxation of Labor Laws on expenditures for 20 years) 20 years Saudization (First five years 0% Saudization, Year 6-10 – 15%) 0% unlimited withholding tax for **Exemption from applicable operational** 100% Foreign Direct Ownership repatriation of profits from SEZs to fees on expats and families within SEZ foreign countries 0% custom duties on capital Long-term contractual land lease for up equipment and inputs to 50 years 0% value-added tax (VAT) for all intra-SEZ goods exchanged within and between the SEZs







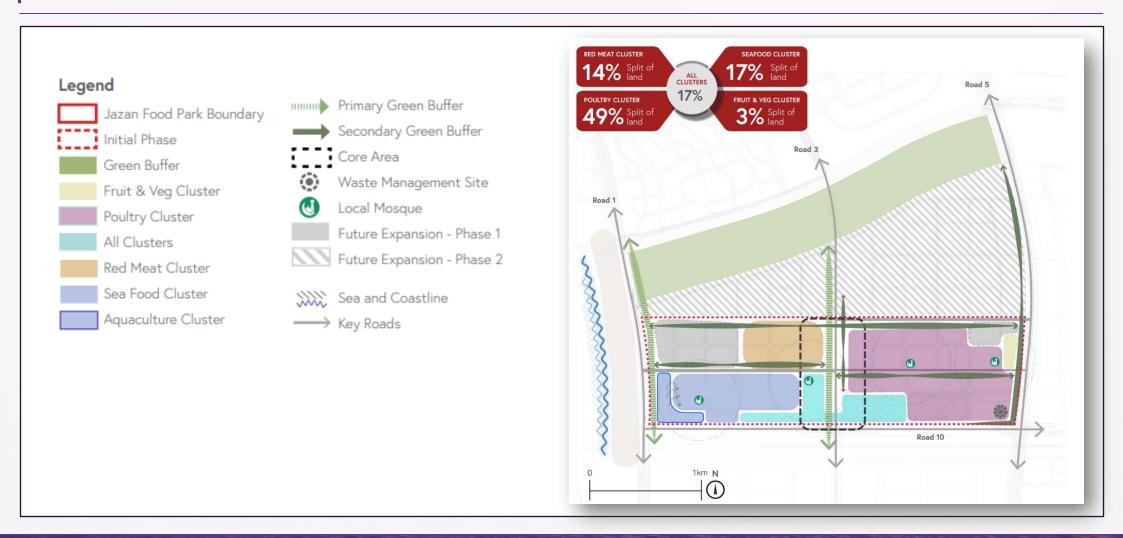
JFP seafood processing tenants will have significant cost savings compared to similar operations in other regions







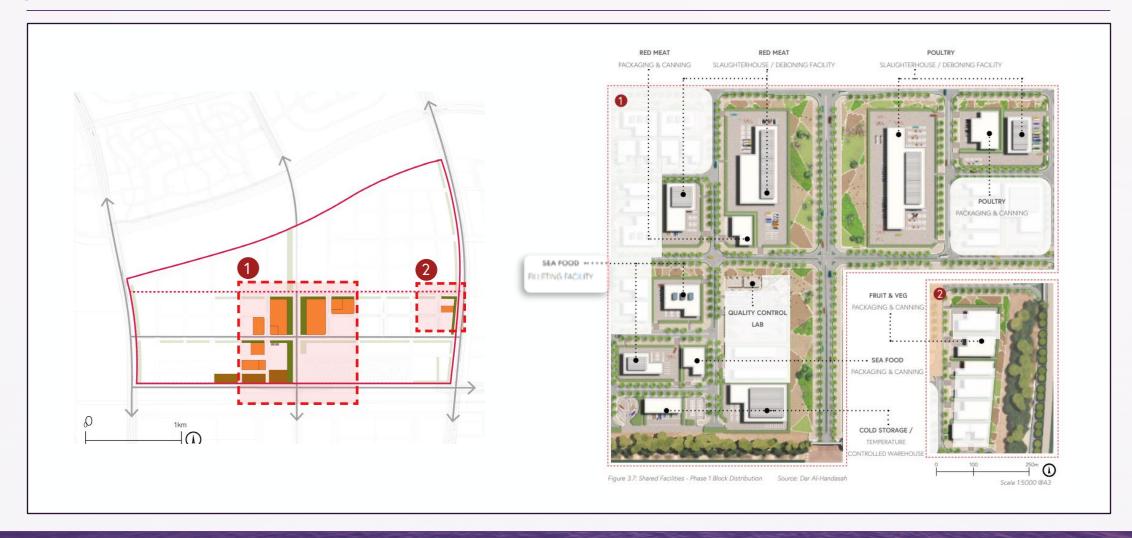
#### JFP Urban Structure & Cluster Plan







#### JFP Shared Facilities Plan





قوزارة البيئة والمياه والزراعة Ministry of Environment Water & Agriculture

### JFP Shared Facilities Plan











### SEE you soon @



The Most Important Aquaculture, Fisheries & Seafood Expo

#### **Exhibitors**























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