

رؤية
VISION 2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA



همة حتى
القمة
اليوم الوطني السعودي 90

كيف
نكون
قدوة؟



QALZAM SEA FOR ENERGY, AQUA & AGRICULTURE SMART VILLAGE

www.qseasv.com

Owned by Qalzam Sea Global Company

www.qalzam.com

Info@qseasv.com

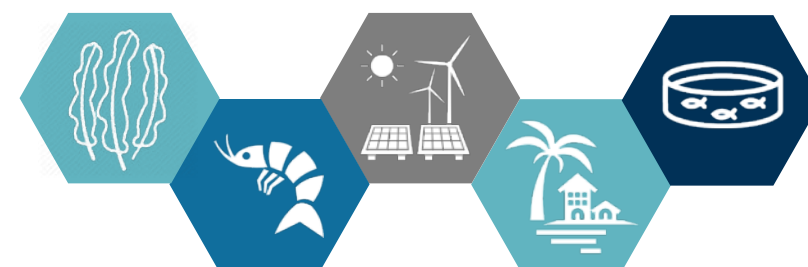


Info@qalzam.com



Index

CHAIRMAN'S WORD.....	2
OUR GROUPS	3
CURRENT PROJECTS.....	4
QSEASV	5
OBJECTIVES	6
PROJECT IN BRIEF.....	7
PROJECT COMPONENTS.....	8
PROJECT CHARACTERISTICS.....	9
ONSHORE PROJECTS.....	10
OFFSHORE PROJECTS	11
ASSISTANT FACILITIES.....	12
AQUACULTURE PRODUCTS.....	13
LOCAL MARKET	14
INTERNATIONAL MARKET	15
SITE ANALYSIS	16
PROJECT SHOTS	32
QSEASV PROJECT LOCATION	55
COMPANY REGISTRATION.....	57
QALZAM COMPANY LICENSE	58





CHAIRMAN'S WORD

2

I take great pride to contribute to the Kingdoms ambitious plan as mandated by Vision 2030 to reach the fishing farms in the Kingdom to **600 000 tons/year**. Therefore, fulfill part of the of the Kingdom's and the world's demand. Our target to attain the production of the aquaculture and agriculture to **150 000 tons/year to export 80% and 20% for local market**, produce **800 megawatt** of energy where **100 megawatt** for project needs and the remaining for international and national sale and **300 000 cubic tons of water where 100 000 cubic meter for project use and 200 000 cubic meter for sale** .

QSEASV is committed to build up the fields of energy, agriculture, desalination, aquaculture and much more to help in the rise of the economic development.

Vision 2030 is the most profound initiative to reshape the Kingdom and QSEASV will continue to apply its high standards to provide best-in-class products and services to enrich the lives of the people in the communities to which we serve. We will provide **5000 job** opportunities for **5000 families**, which **70% of jobs** are for Saudis in the nearest cities and whole country of Saudi Arabia.

As a prominent Saudi company, we understand and accept the responsibility to lead by example and investment in human capital to ensure that the future of our homeland is bright by providing a sustainable platform to our youth.



OUR GROUPS



3



Introducing the head company Al-Hidaya Global Group and organizations falling under its management.

Al-Hidaya Global Group is a multidisciplinary company that manages companies and organizations in various fields, most notably:





4

GROUP'S CURRENT PROJECTS



- Jeddah Rivage Project
- Al-Hidaya kitchens for catering
- Al-Hidaya Hajj, Umrah and Tourism company
- Hidaya booking
- Stars International Schools
- Information Technology smart projects



QSEASV

"QSEASV" Qalzam Sea for Energy, Aqua and Agriculture Smart Village is owned by Qalzam Sea Global Company, which is a Saudi Arabian Multi Marine company that deals with Marine Trade, Fisheries, Aquaculture, Energy, Desalination, Agriculture, Feed Factory, Research Center, and Support Services.

We have many variations to offer in the means of energy, aqua life, and land.

Our land area is more than **14,000,000 m²**.

At QSEASV you will find knowledge and technology combined to provide you the best virtue of food.

The headquarter of the company is located in Jeddah – Saudi Arabia.

The project's site is located in **Mastorah, Rabigh Province-KSA**.





6

PROJECT OBJECTIVES

QSEASV intends to:

- ❖ Engender top quality aquatic products.
- ❖ Proffer jobs for young nationals and train them by specialized experts.
- ❖ Initiate jobs and reduce immigration of citizens in small villages.
- ❖ Contribute to the local and international seafood markets.
- ❖ Develop an economical and environmental viable aquaculture systems.
- ❖ Establish a long-term successful and sustainable business in remote areas.
- ❖ Pioneer regionally in the field of marine aquaculture.
- ❖ Construct vertically integrated projects.
- ❖ Establish a long-term successful and sustainable business in remote areas of limited resources.



PROJECT COMPLEMENTARY IN BRIEF



7

For mega projects, support units and workshops are needed to insure the sustainability of the operation. These services are summarized in the following points:

Processing Unit For Fished And Aquaculture Products: which will include sorting, head removal, diving, pilling, scaling, cutting....etc As well as cold storing.

Packaging Facilities (Styrofoam And Plastic)
To pack the fine aquatic products to meet the market demand.

Specialized Workshops: are essential for maintaining projects facilities and equipment's of all kinds.

Feed Manufacture: Ingredients will be provided from local and international sources in order to formulate the required feeding diets for fish and shrimp farmed in the projects facilities.

Fiberglass Manufacture (Tanks, Pipes And Fishing Boats):
To meet the projects demand of various sizes of cultured tanks and pipes needed for the aquaculture practices. As well as fishing boats for fishing and entertainment activities.

Blocks And Tiles Manufacture: Basically for construction purposes required in different buildings of the projects.



8

PROJECT COMPONENTS

100% INDOOR SMART PROJECTS THAT CONTAINS THE FOLLOWING COMPONENTS:

- Shrimp Hatchery
- Shrimp Nursery
- Fish Hatchery
- Fish Nursery
- Shrimp Ponds
- Fish Ponds
- Research Center
- Aquaculture Aquarium
- Agriculture Aquarium
- Caviar Farm
- Artesian Wells
- Security Section
- International Exhibition,
- Marketing & Selling Sector
- Bio-security Center
- Ponds Station
- Quality Control
- Grain Silos
- Supporting Units
- Agriculture Farms
- Power Plant
- Pond System
- Recirculating
- Aquaponic Unit
- Processing Unit
- Desalination Unit
- Life Feed Unit
- Water Selling Center
- Feeding Factory
- Feeding Plant
- Poultry Farm
- Service And Selling Center
- Residential Area & International 5 Stars Guests' Hotel
- Logistic Area
- International Conference Hall
- Aquarium & Agricultural Museum
- Recreational Area
- Treatment Area
- Training & Higher Education in Aquaculture Agriculture , Energy & Water

PROJECT CHARACTERISTICS



A- Aquaculture Farms

- Shrimp Area 5,449,070 m²
- Shrimp Hatchery 120,027 m²
- Fish Hatchery 119,826 m²
- Fish Area Concrete Basins 971,776 m²
- Fish Area Fiber Glass Basins 764,748 m²
- Caviar Prod. Unit 50,020 m²
- Spirulina Area 1,200,474 m²
- Sea Creatures Area 1,010,455 m²

B- Agriculture By Using Aquaponic And Hydroponic

- Agricultural & Aquaponics Area 844,940 m²
- Aquaponics Unit 50,020 m²

C- Feeding Plant

- Poultry farm 219,773 m²
- Grain Silos 25,000 m²
- Feeding Plant 20,000 m²
- Life Feed Units 20,090 m²

D- Treatment, Energy & Desalination Area

- Treatment Area 564,286 m²
- Water Desalination 34,601 m²
- Power Generating Area - A 603,000 m²
- Power Generating Area - B 377,629 m²
- Power Generating Area - C 9,900 m²
- Power Generating Area - D 43,562 m²

E- Research , Development , Training & Higher Education in Aquaculture , Agriculture , Energy & Water 57,233 m²

F- Processing , Support , Marketing & Sales Area

- International Exhibition, Marketing & Selling Sector 50,000 m²
- Processing Unit 88,521 m²
- Support Units 20,000 m²
- Water Selling Center 30,000 m²

G- Administration & International Conference Hall 20,202 m²

H- Accommodation & Logistic Area

- Residential Area (A) 368,219 m² , 276 unit 600m / plot
- Residential Area (B) 80,8590 m²
- International 5 Stars Guests' Hotel 12,000 m²

I- Aquarium & Agricultural Museum 13,578 m²



PHASE 1: ONSHORE PROJECTS

Cultured and Captured Aquatic Products Project

QSEASV on-shore aquaculture facilities includes:

- Hatcheries
- Nurseries
- Pre-fattening Units
- On-growing Ponds
- R&D center
- Aquarium
- Aqua, Agriculture, Feeding, Poultry & Cattle Museum
- Restaurants
- Fishing Pond
- Fishing Boats
- **Treatment Area:** Located at the middle east part of the site (center) planted with Sea cucumber, Macro-algae, Sea weeds, oysters and clams to treat the water
- **Marine Aquaponic:** This system will be adapted on QSEASV site in order to produce seaweed and marine fish species in the same facilities.





PHASE 2: OFFSHORE PROJECTS

QSEASV off-shore aquaculture facilities incorporate the following:

A- Floating Cages In The Southern Area:

Located in between the natural barriers that work as wave breakers providing protection for the cages; where water depth ranges between **20-40 meters**.

Giant Submerged Cages In The Deep Waters:

In front of the site on-shore location, but based in deeper waters than **60 meters**.

B- Fishing Vessels

Producing shrimp and fish through fishing vessels from international and local zonals.



12

ASSISTANCE FACILITIES COMPONENTS

1. ACCOMODATION COMPOUNDS

- 4,000 apartment units for the workers and employees, school for boys and girls from KG to high school, mall, recreation and mosque.
- Residential Area (A) 368,219 m² , 276 unit 600m / plot
- Residential Area (B) 80,8590 m²
- International 5 Stars Guests' Hotel 12,000 m²

2. POWER PLANT WITH MIRROR SYSTEM & WIND TURBINES USING THE LATEST TECHNOLOGY

3. DESALINATION TO FEED ALL THE PROJECTS WITH SWEET WATER

4. TREATMENT AREA TO TREAT ALL PONDS AND WASTE WATER

5. SUPPORTING UNITS TO MANUFACTURE (PLASTIC BAGS, FOAM BOX, LINERS, PIPE...ETC)

6. COOLING SYSTEM & ICE FACTORY

7. SUPPORTING OFFICE & ADMINISTRATION AREA INCLUDING SECURITY & SAFETY

LIST OF AQUACULTURE PRODUCTS

QSEASV is intending to produce caviar through a joint-venture project with other global companies to fulfill the local market demand and to export the production to the world fish markets.



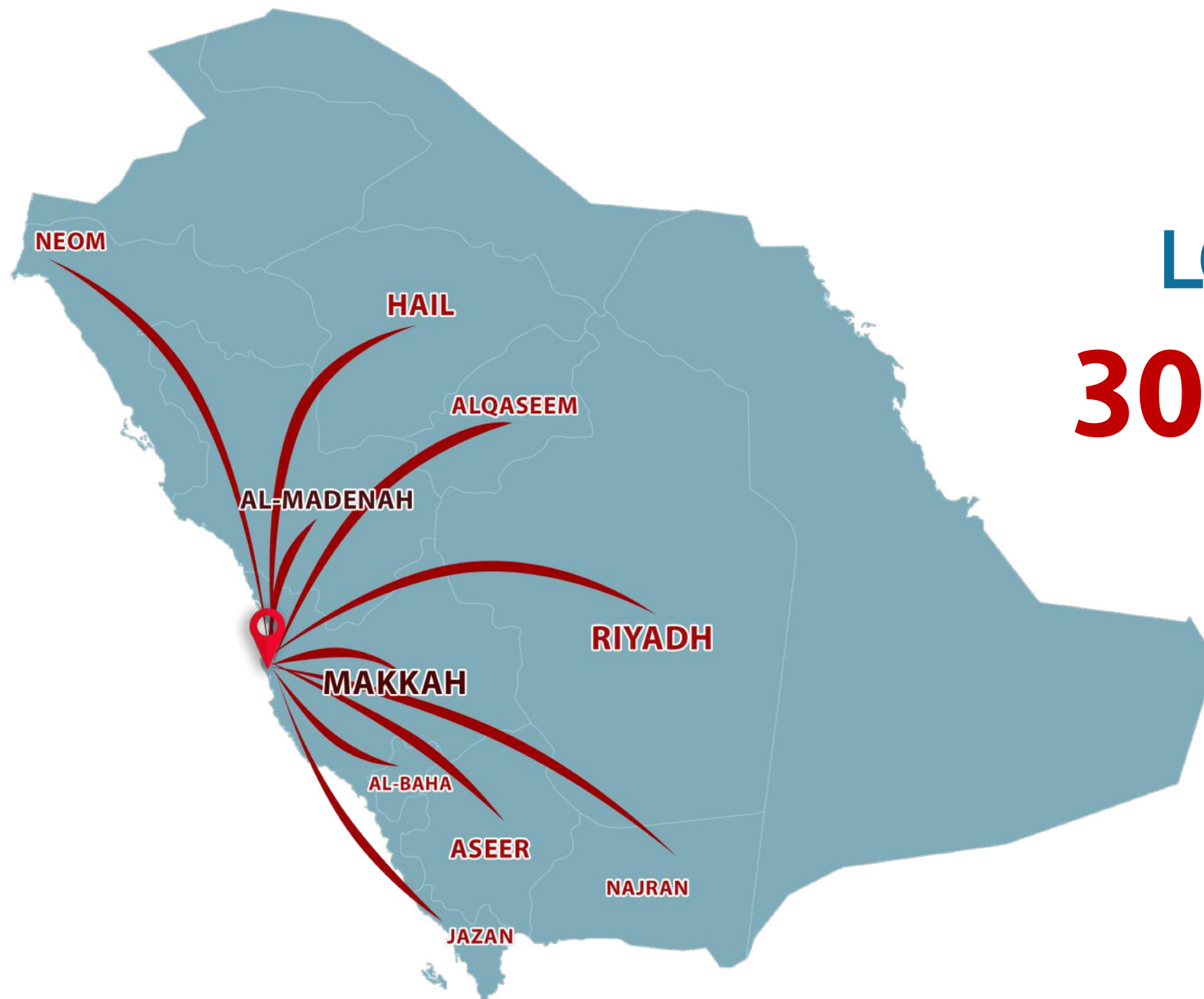
- Tilapia
- Rabbit Fish
- Asia Seabass / Barramundi
- Cobia / King Fish / Salmon
- Grouper
- Giant Grouper / Brindlebass
- European Sea Bream
- Roving Coral Grouper
- Trout
- Spirulina, Chlorella, Algae
- Caviar
- Tiger Shrimp
- Whiteleg Shrimp
- White Shrimp
- Oysters & Clams
- Mother of Pearl
- Black-Lip Pearl Oyster & Radiata
- Giant Clam
- Sea Cucumber
- Sea Turtle
- Sea Horse
- Lobster





AQUACULTURE & AGRICULTURE LOCAL MARKET

14



LOCAL MARKET
30,000 TON/YEAR

AQUACULTURE & AGRICULTURE INTERNATIONAL MARKET



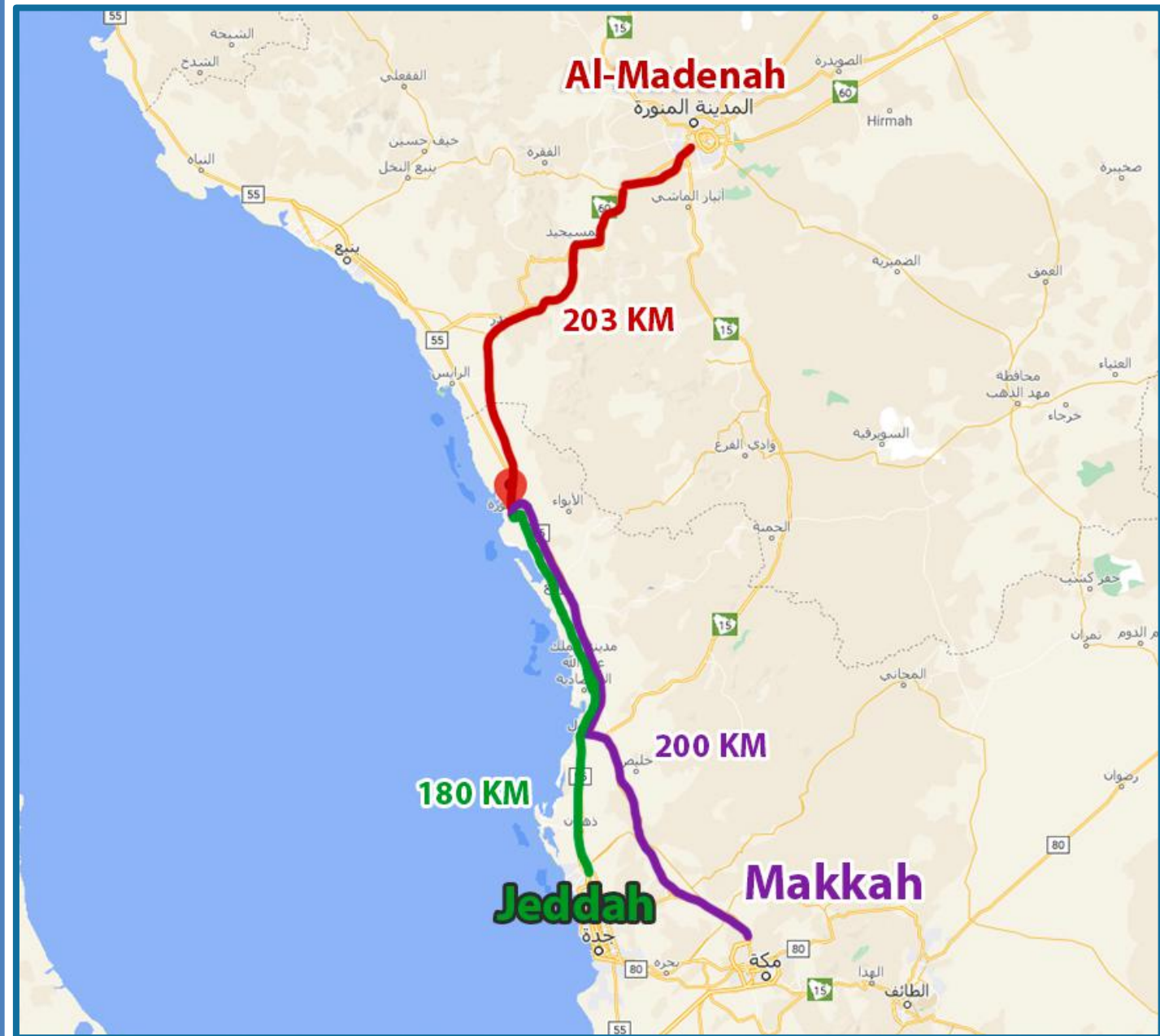
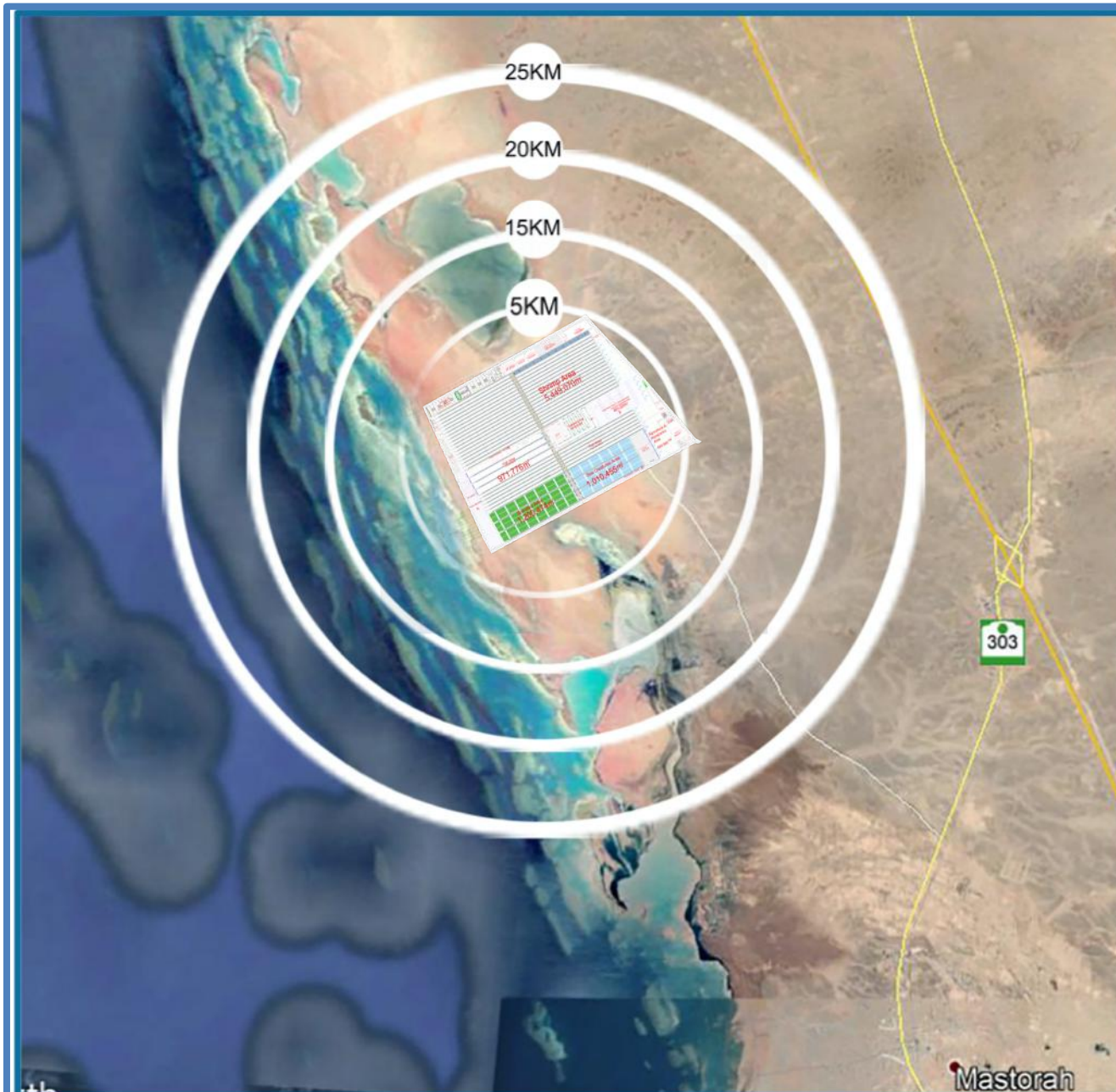
120,000 TON/YEAR For INTERNATIONAL MARKET





SITE ANALYSIS -1-

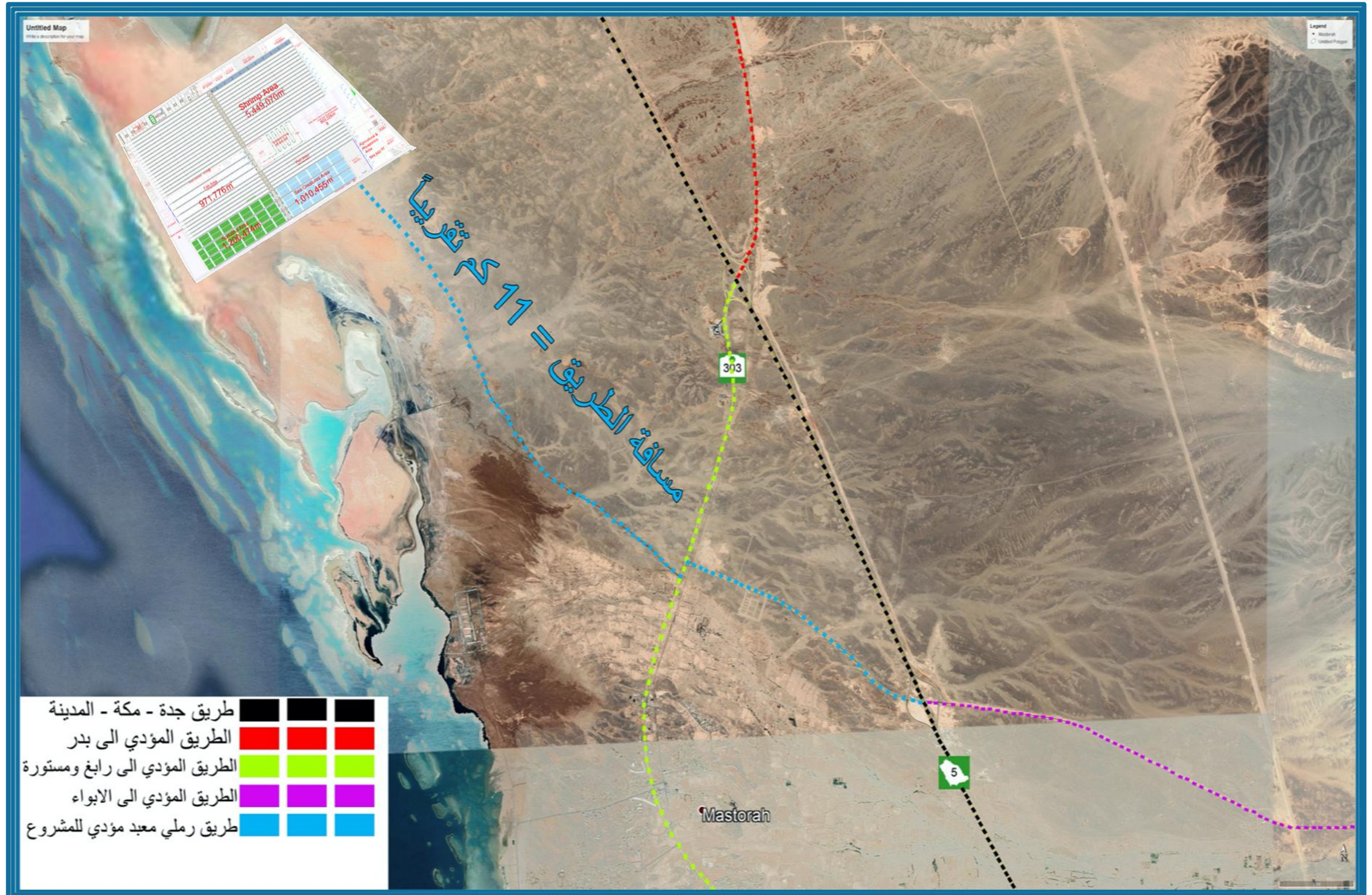
PROJECT LOCATION :
KSA- Makkah State, Rabigh province, Mastorah



SITE ANALYSIS -2-



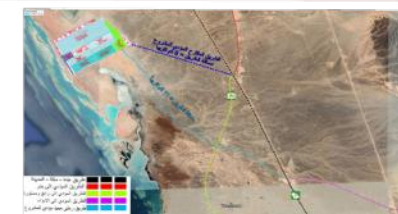
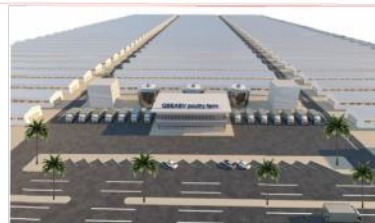
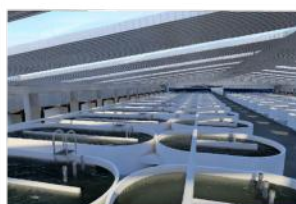
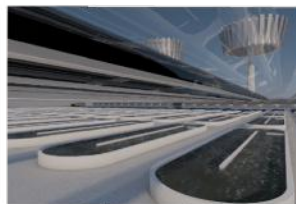
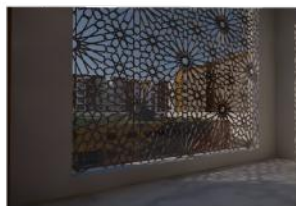
**PROJECT
LOCATION :**
Ksa- Makkah
State, Rabigh
Province,
Mastorah
Center





SITE ANALYSIS -3- MAIN LOCATION

18



منطقة المعالجة وإنتاج الطاقة والمياه

Treatment Area And Energy And Water Production

POINT	X	Y
1	472937.98	2567631.51
2	473059.90	2567703.05
3	473112.99	2567612.81
4	474779.30	2568593.37
5	475039.10	2568151.88
6	473373.31	2567170.46
7	473962.31	2566169.55
8	473699.65	2566018.83

المساحات الزراعية ومرافقها

Agricultural Area And Their Facilities

POINT	X	Y
1	475862.98	2570828.19
2	475798.40	2570790.16
3	477015.67	2568723.04
4	476637.77	2568500.50
5	476987.96	2567905.81
6	478109.65	2568549.49
7	477014.70	2569716.82

منطقة مزارع الروبيان ومرافقها

Shrimp Farms Area And Their Facilities

POINT	X	Y
1	475798.40	2570790.16
2	472393.21	2568784.93
3	472937.98	2567631.51
4	473059.90	2567703.05
5	473112.99	2567612.81
6	474779.30	2568593.37
7	474830.23	2568506.82
8	476547.81	2569517.54

منطقة مزارع الاسماك ومرافقها

Fish Farms Area And Their Facilities

POINT	X	Y
1	474830.23	2568506.82
2	476547.81	2569517.54
3	477015.67	2568723.04
4	475388.45	2567764.81
5	473632.20	2566730.52
6	473373.31	2567170.46
7	475039.10	2568151.88

منطقة مزارع الاحياء البحرية ومرافقها

Sea Creatures Farms Area And Their Facilities

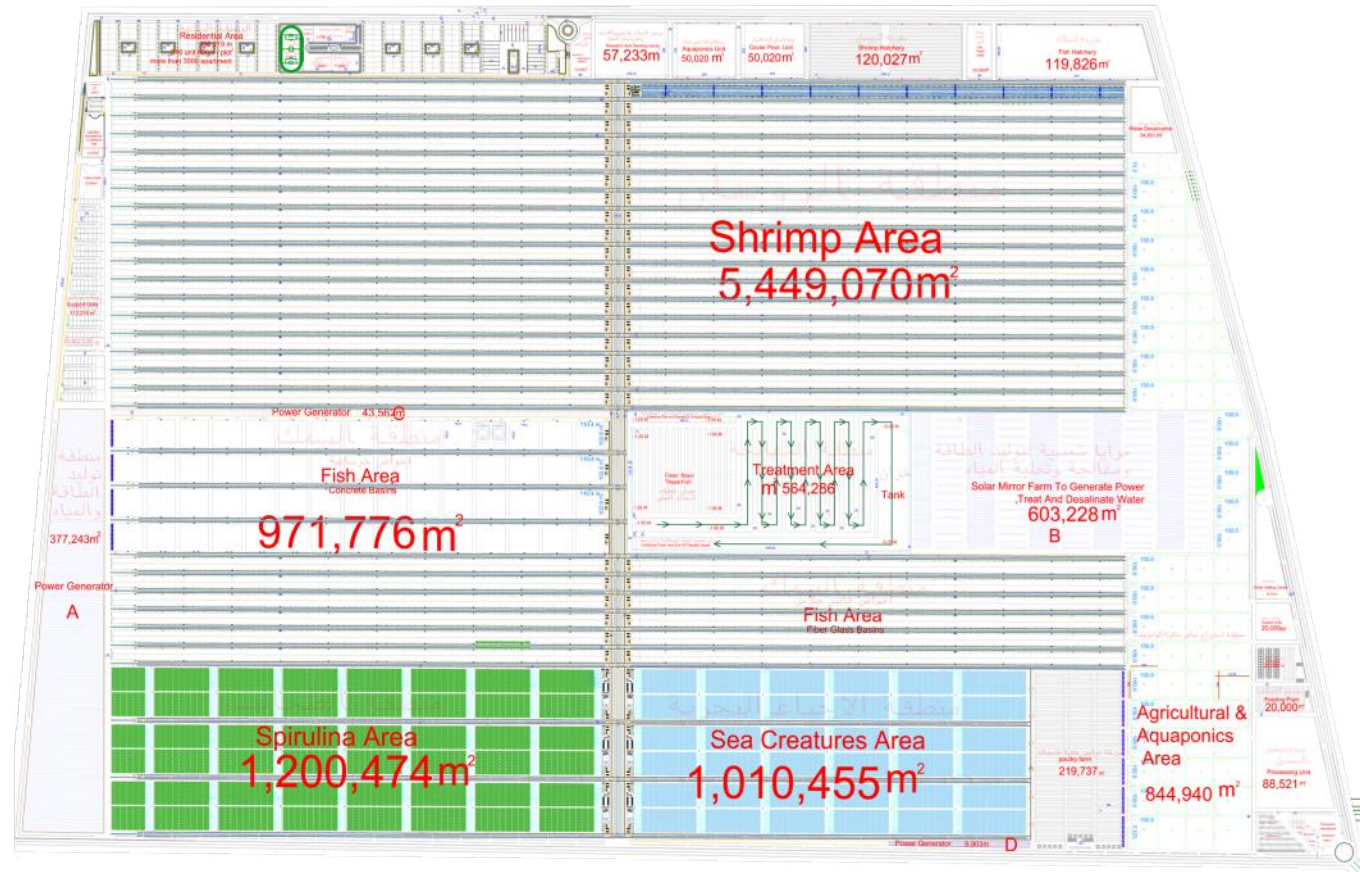
POINT	X	Y
1	476637.77	2568500.50
2	475388.45	2567764.81
3	475730.87	2567184.43
4	476987.96	2567905.81

منطقة مزارع الطحالب ومرافقها

Algae Farms Area And Their Facilities

POINT	X	Y
1	475388.45	2567764.81
2	473632.20	2566730.52
3	473962.31	2566169.55
4	475730.87	2567184.43

الموقع العام الرئيسية



احداثيات المشروع

POINT	X	Y
1	473699.6500	2566018.8300
2	472393.2100	2568784.9300
3	475862.9800	2570828.1900
4	477014.7000	2569716.8200
5	478109.6500	2568549.4900

المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA
وزارة الشؤون البلدية والقروية
THE MINISTRY OF MUNICIPAL
AND RURAL AFFAIRS
امانة محافظة جدة
JEDDAH MUNICIPALITY

شركة بحر القلزم الدولية المحدودة
Al-Qalzam Sea Global Co.Ltd.

حدود الموقع

الاتجاه	الحدود
شمال	اراضي حكومية
جنوب	اراضي حكومية وتعام الحد (غربا)
شرق	قضاء بقرين شمال من الشمال ١٩٩٠م ومن الجنوب ٢٠٠٥م يليه طريق بقرين ٤٠٠٠م حسب المخطط العكسي البحر الاحمر
غرب	المساحة الاجمالية للمشروع ١٥٠٦ هكتار

Site Borders

Borders	Description
North	Governmental Land
South	Governmental Land And Fully Limit (WEST)
East	A space Of Different Widths From The North 190.90 M And From The South 208.05 M It Is Followed By A road With a Width of 40 m, According To The Structural plan
West	The Red Sea

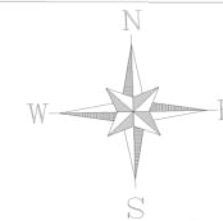
The total area of the project is 1,406 hectares

الموقع العام لمشروع شركة بحر القلزم
General site for the project of Sea Qulzum Co

وزارة الشؤون البلدية والقروية
امانة محافظة جدة
موقع استثماري (مزرعة اسماك)
منطقة مستنورة
المحافظة رابغ
منطقة مكة المكرمة

Investment site (fish farm)
North Mastoura
City Mastorah
Governor Rabegh
Region Makkah

شركة العداية للمقاولات
شركة العداية للمقاولات
AL Adaya Construction Co.



الموقع العام الرئيسية
مقياس الرسم



SITE ANALYSIS -4- GENERAL LOCATION

منطقة المعالجة وإنتاج الطاقة والمياه

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المساحات الزراعية ومرافقها

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منطقة مزارع الروبيان ومرافقها

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منطقة مزارع الاسماك ومرافقها

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منطقة مزارع الاحياء البحرية ومرافقها

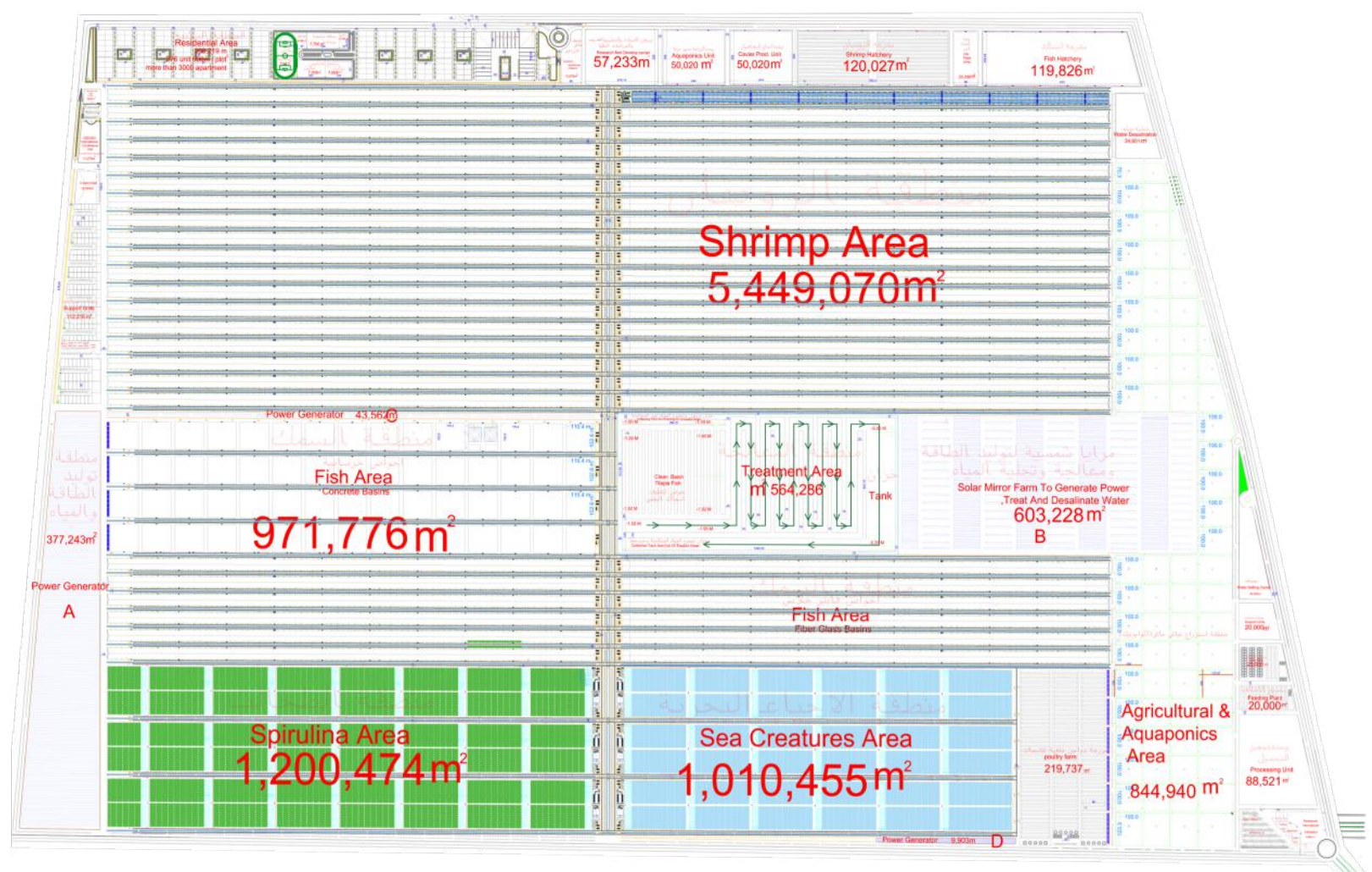
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منطقة مزارع الطحالب ومرافقها

Algae Farms Area And Their Facilities

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Al-Qalzam Sea Global Co.Ltd.

حدود الموقع

الاتجاه	الحدود
شمال	أراضي حكومية
جنوب	أراضي حكومية وتنام الحد (غربا)
شرق	قضاء يعرض مختلف من الشمال ١٩٩,٥٠م ومن الجنوب ٢٠٨,٥٥م يليه طريق يعرض ٤٠٠م حسب المخطط العياني
غرب	البحر الأحمر

المساحة الاجمالية للمشروع ١٤٠٦ هكتار

Site Borders

Borders	Details
North	Governmental Land
South	Governmental Land And Fully Limit (WEST)
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الموقع العام لمشروع شركة بحر القلزم

General site for the project of Sea Quilzum Co

وزارة الشؤون البلدية والقروية
أمانة محافظة جدة
موقع استثماري (مزرعة اسماك)
منطقة مستورة

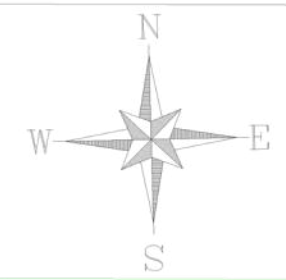
Investment site (fish farm)	City	Mastorah
North Mastoura	Gover	Rabegh
	Region	Makkah

الاستشاري العام :
شركة العداية للمقاولات
AL Hdaya Construction CO.

احداثيات المشروع

ZONE COORDINATE

POINT	X	Y
1	473699.6500	2566018.8300
2	472393.2100	2568784.9300
3	475862.9800	2570828.1900
4	477014.7000	2569716.8200
5	478109.6500	2568549.4900



اسم الخريطة:
الموقع العام الرئيسية
مقياس الرسم:
التاريخ:

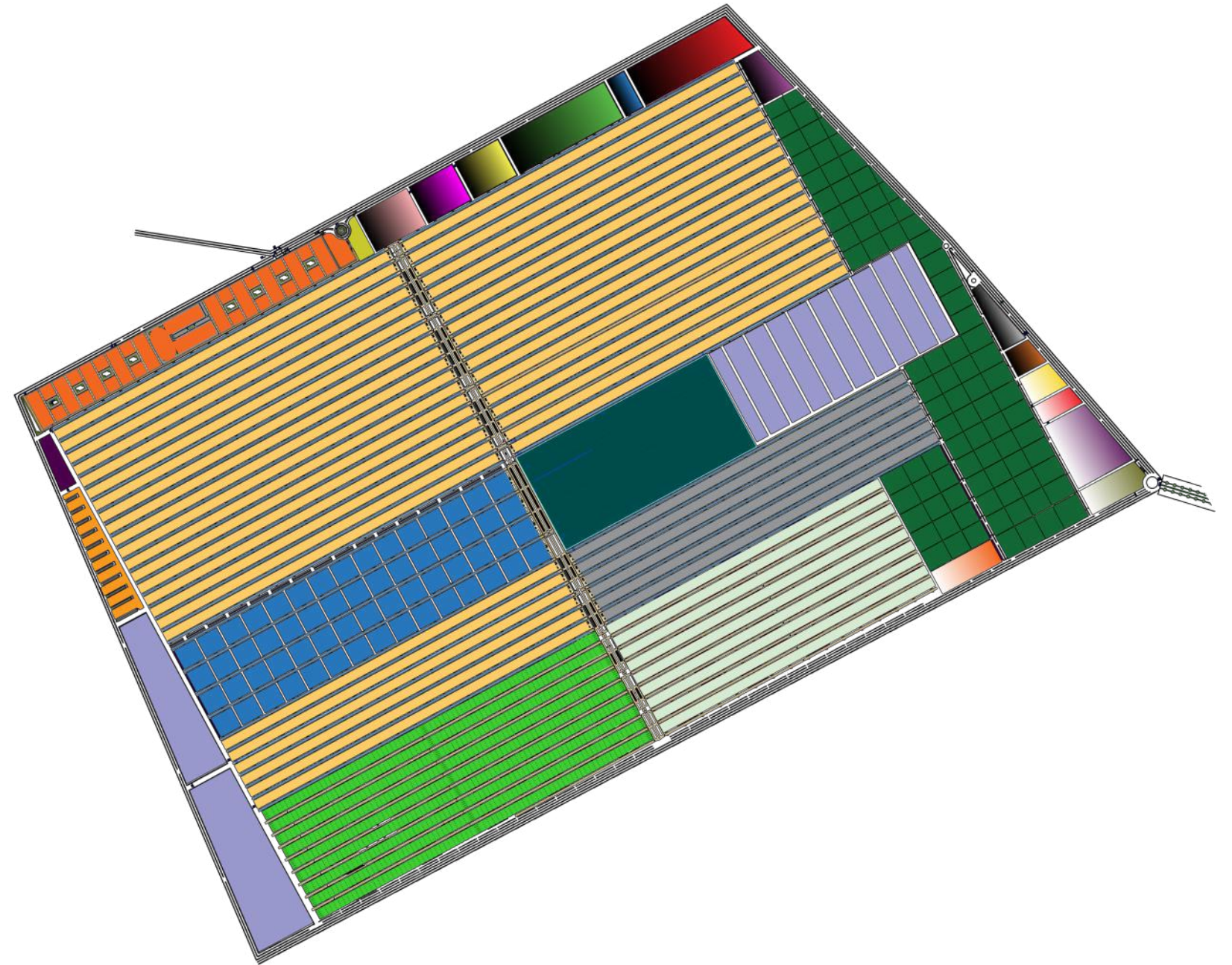


SITE ANALYSIS -5-

KEYS TO THE GENERAL SITE ELEMENTS

20

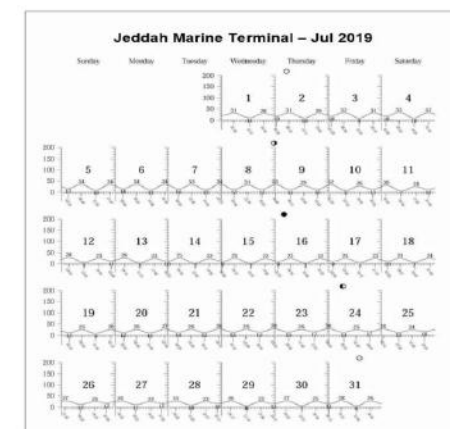
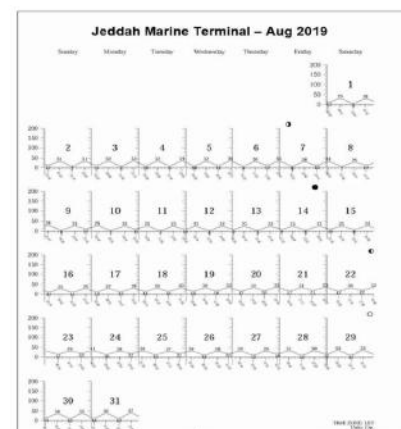
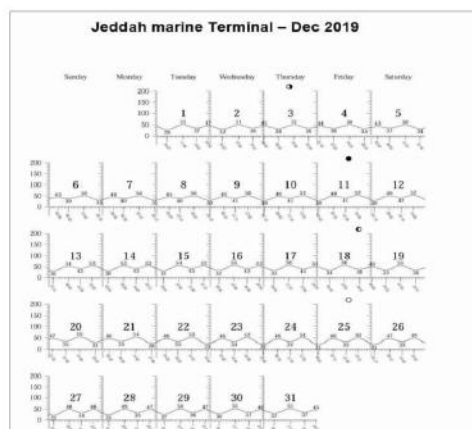
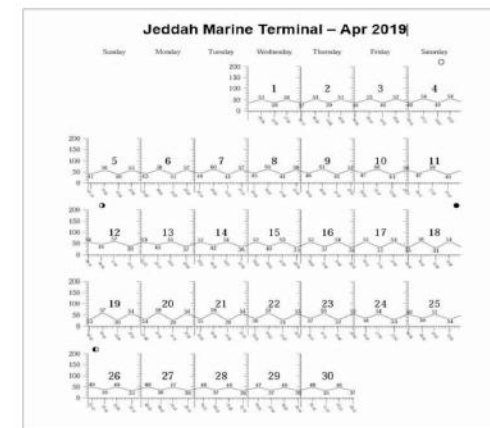
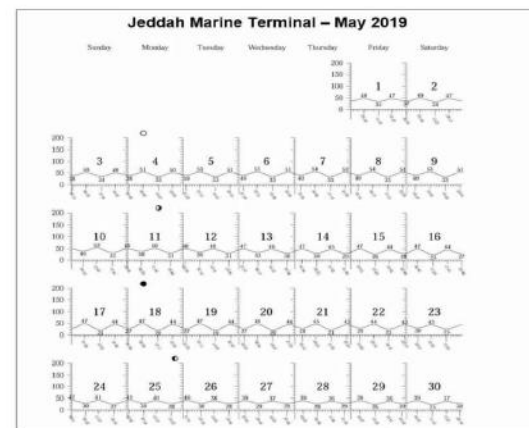
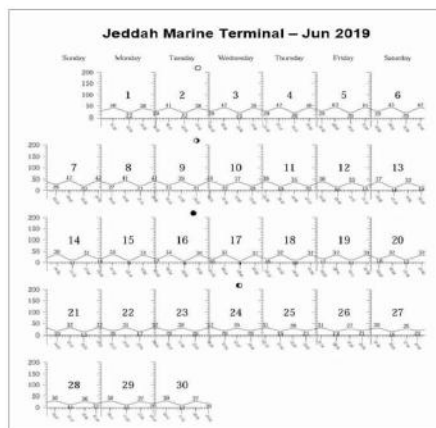
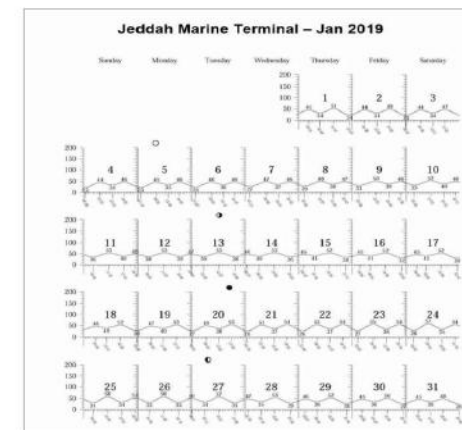
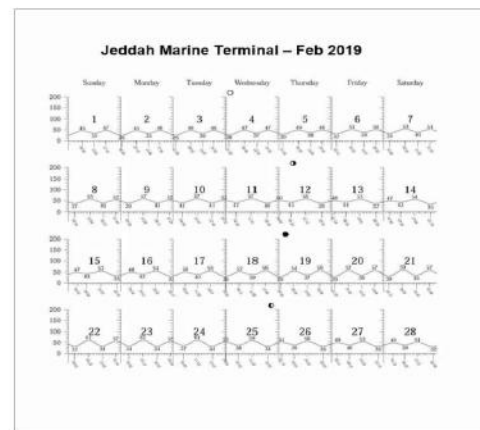
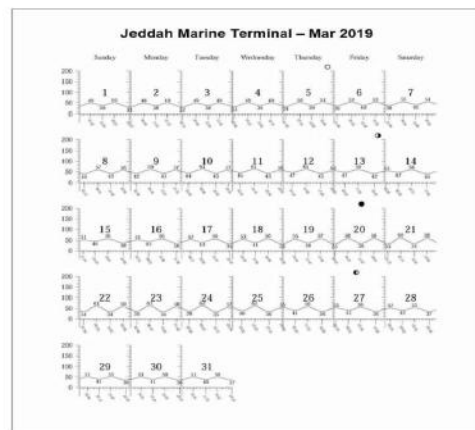
	Shrimp Area 5,449,070 m ²	منطقة الروبيان 42 hanger each= 42*1876.7
	Agricultural & Aquaponics Area 1,040,563 m ²	منطقة استزراع نباتي مائي (أكوابونيك)
	Fish Area Concrete Basins 971,778 m ²	منطقة السمك احواض خرسانية
	Treatment Area 564,286 m ²	منطقة المعالجة
	Fish Area Fiber Glass Basins 784,748 m ²	منطقة السمك احواض فايبر جلاس
	Spirulina Area 1,200,474 m ²	منطقة الطحالب
	Solar Mirror Farm To Generate Power 1,003,674 m ²	مرايا شمسية لتوليد الطاقة
	Sea Creatures Area 1,010,455 m ²	منطقة الاحياء البحرية
	Residential Area 368,219 m ² 278 unit 600m ² / plot	المنطقة السكنية
	Support Units 80,6500 m ²	وحدات مساعدة
	Management And Training Office 20,202m ²	مكاتب الادارة والتدريب
	Aquarium & Agricultural museum 13,578m ²	متحف مائي وزراعي
	Research And Develop center 57,233m ²	مركز الابحاث والتطوير
	Processing Unit 94,000 m ²	وحدة تجهيز المحصول
	service & sales center 40,000 m ²	مركز استقبال خدمات ومبيعات
	poultry farm 41,000 m ²	مزرعة دواجن علفية للاسماك
	Aquaponics Unit 50,020 m ²	وحدة الزراعة بدون تربة
	Caviar Prod. Unit 50,020 m ²	وحدة انتاج الكافيار
	Shrimp Hatchery 120,027 m ²	مفرخة الروبيان
	Life feed units 20,000m ²	وحدة الغذاء الحي
	Fish Hatchery 119,826 m ²	مفرخة اسماك
	Water Desalination 34,601 m ²	حلمية مياه
	Water Selling Center 30,000m ²	مركز بيع المياه
	Support Units 20,000 m ²	وحدات مساعدة
	Grain Silos 25,000 m ²	موليع الحنل
	Feeding Plant 20,000 m ²	مصنع الاملاف





SITE ANALYSIS -7- TIDAL POINTS

22



نقاط المد والجزر خلال السنة

المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA
وزارة الشؤون البلدية والقروية
THE MINISTRY OF MUNICIPAL
AND RURAL AFFAIRS
JEDDAH MUNICIPALITY
أمانة محافظة جدة

شركة بحر القلزم الدولية المحدودة
Al-Qalzam Sea Global Co.Ltd.
بحر القلزم

حدود الموقع

ارضى حكومية	شمال	الحدود
ارضى حكومية وتنام الحد (غربا)	جنوب	
تصاع بعرض مختلف من الشمال ١٩٩,٥٠ ومن الجنوب ٢٠٨,٥٥ يليه طريق بعرض ٤٠٠ م حسب المخطط العيكي	شرق	
البحر الاحمر	غرب	
المساحة الاجمالية للمشروع ١٤٠٦ هكتار		

Site Borders

Borders	North	Governmental Land
	South	Governmental Land And Fully Limit (WEST)
	East	A space of Different Widths From The North 199.50 M And From The South 208.55 M It Is Followed By A road With a Width of 40 m, According To The Structural plan
	West	The Red Sea
The total area of the project is 1,406 hectares		

الموقع العام لمشروع شركة بحر القلزم
General site for the project of Sea Qulzum Co

وزارة الشؤون البلدية والقروية
امانة محافظة جدة

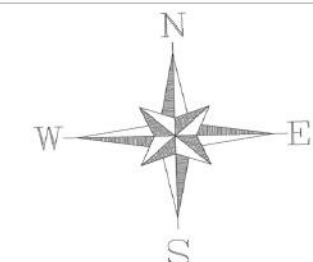
موقع استثماري (مزرعة اسماك)
منطقة مستورة
المحافظة رابغ
مكة المكرمة

امانة جدة

Investment site (fish farm)
North Mastoura
City Mastorah
Governor Rabegh
Region Makkah

الاستشاري العام :
مكتب عصام امين كتنبي للاستشارات الهندسية
DAR AL-KUTBI FOR ENGINEERING CONSULTANCY - JEDDAH - KSA

جدة- شارع الستين- مكتب رقم ١٣- ت ٢٨٧٢٣٤٨٠ - جوال ٠٥٠٣٣٧٨٠٥٥

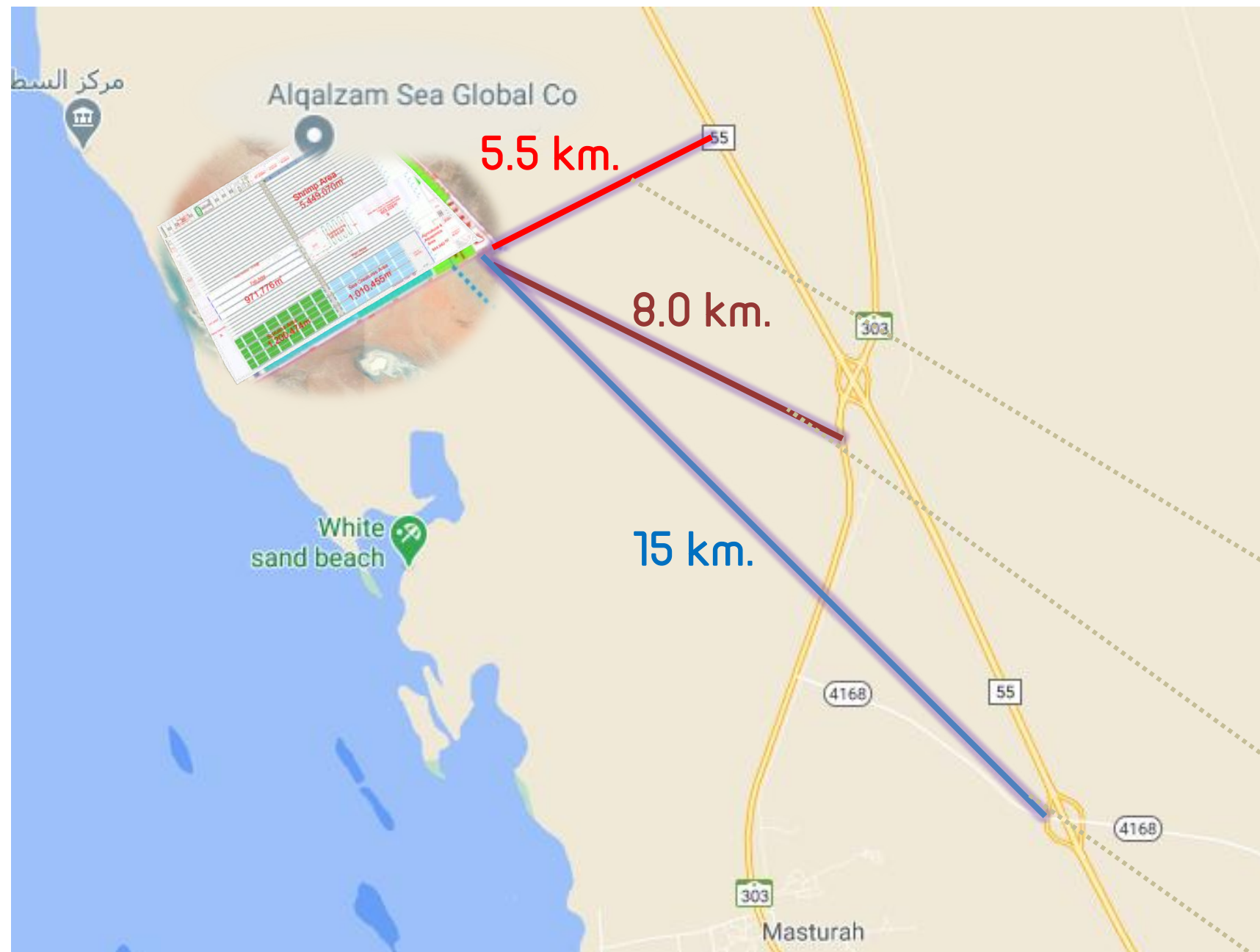


نقاط المد والجزر خلال السنة
مقياس الرسم
مستوى

SITE ANALYSIS -8- QSEASV Entrance



THE PROPOSED MAIN ROAD - THE PROJECT'S MAIN ENTRANCE



The proposed road leading to the smart city is **8 km** long and **30 m** wide, designed to suit the sustainable nature of the project and capable of serving all users of the city

Main entrance road " 3 suggestion "

First proposal

Private and direct exit from the Madinah Road that is the shortest distance, but requires road construction and there is a proposed detailed design.

Second proposal

The utility of the intersection of Mastourah and Rabigh road with Madinah Road, using the existing road network in advance of saving costs and time. Yet, requires rehabilitating the road to match the intensity of transportation movement to and from the smart city

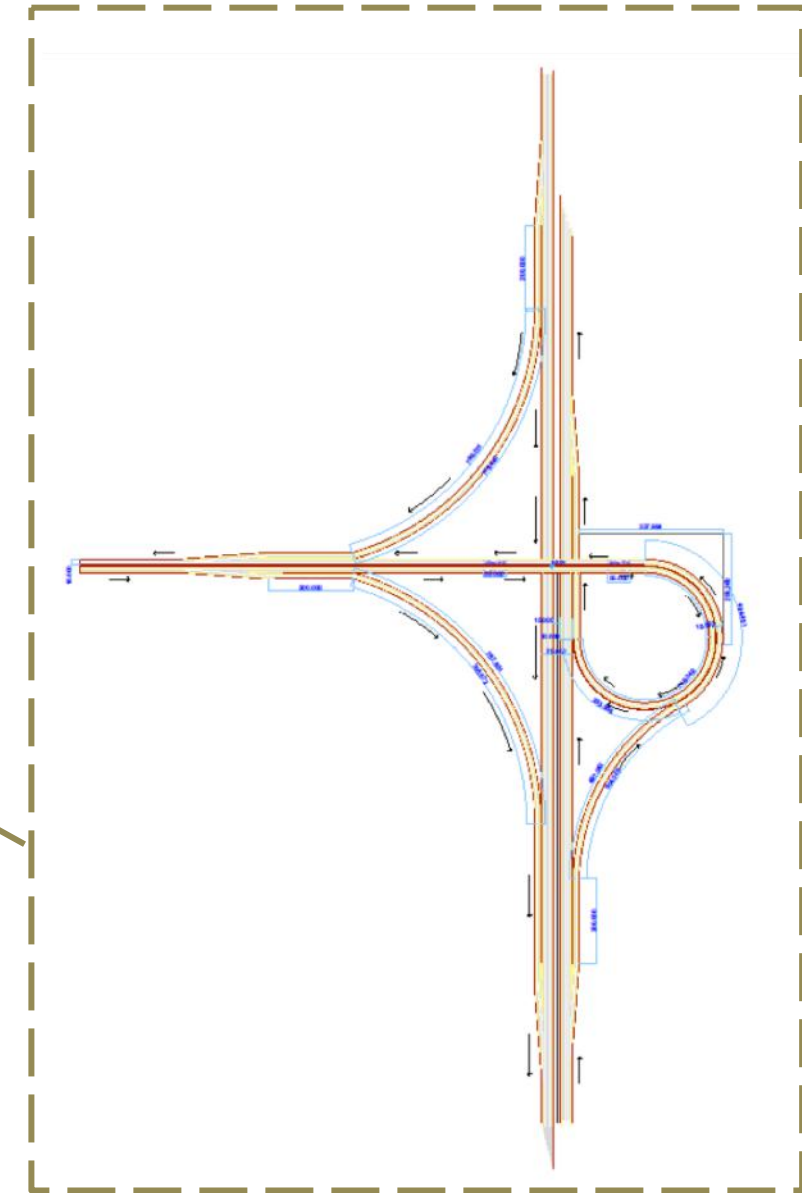
Third proposal

The exit of Al-Abwaa Road with Al-Madinah Al-Munawarah. The transportation movement at this exit is less than the previous one with the benefit of the road network, but it is the longest road.



SITE ANALYSIS -9- First proposal

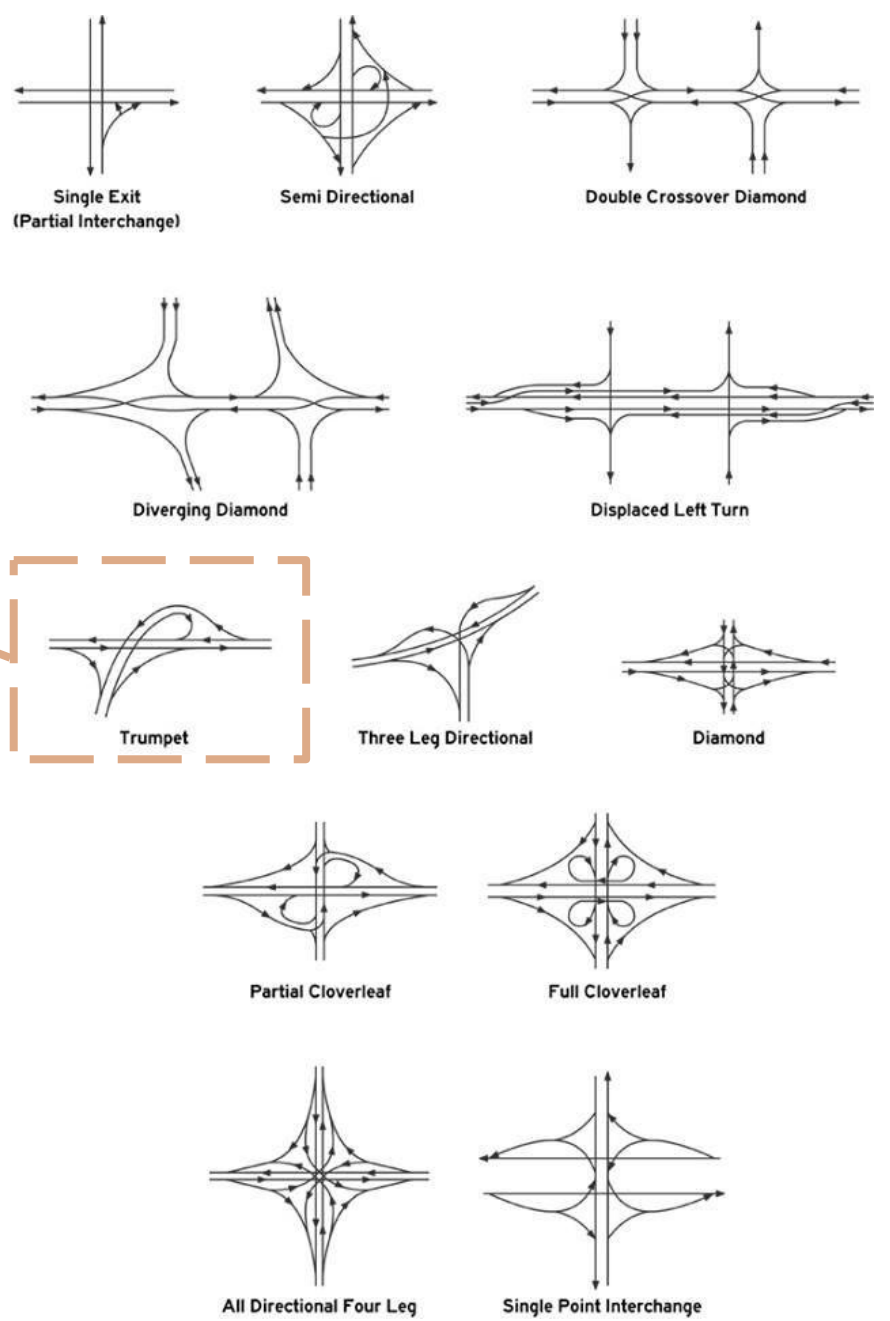
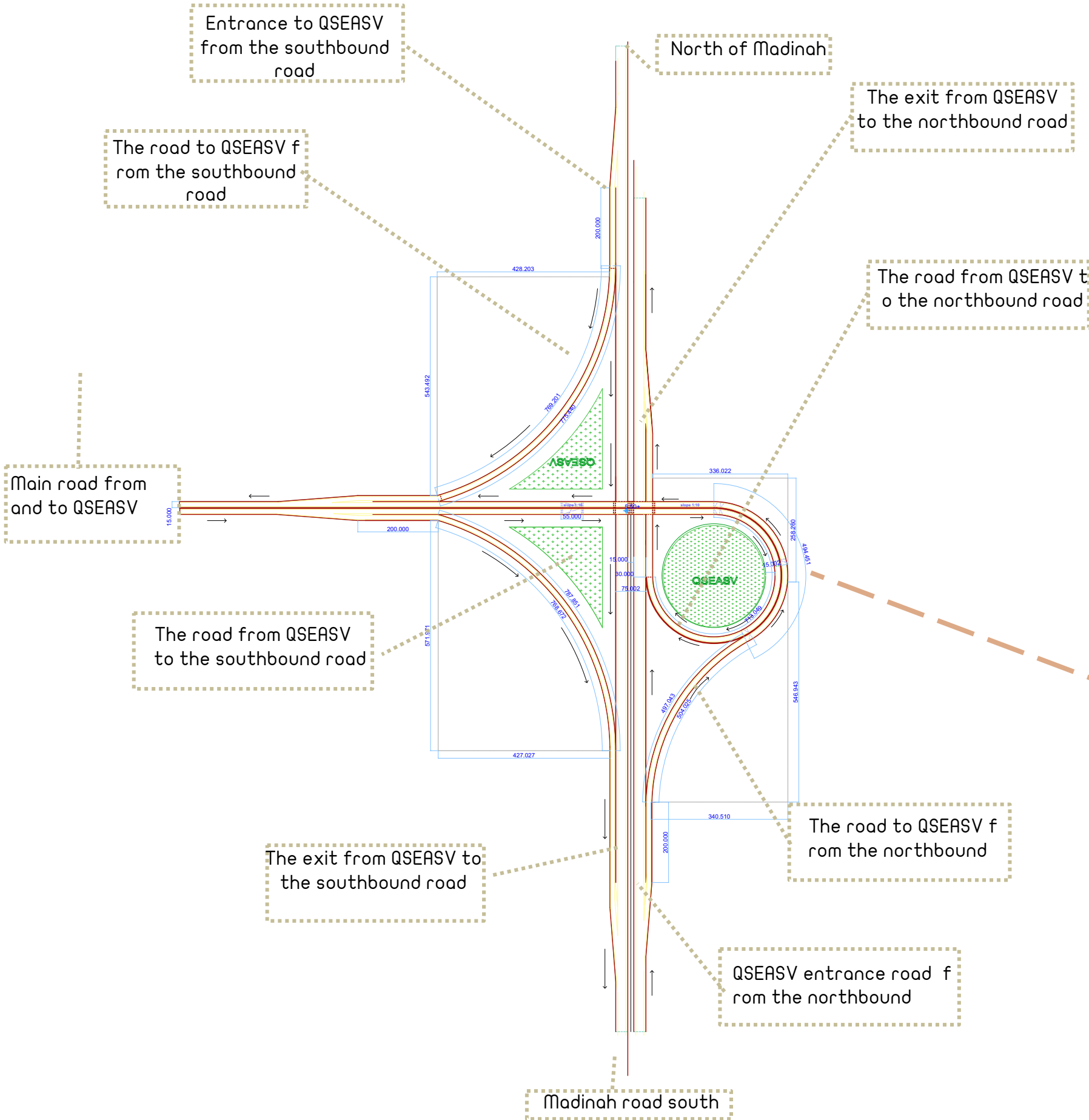
24



The first proposal leading to the smart city extends approximately **5500 m** in length, **30 m** in width by **15 m** in each direction, separated by an island of **2 m** wide, and is the shortest road on a direct route with Medina Road

	Advantages	Disadvantages
Project wise	It is the shortest road, saves time, has higher conductivity, with a private entrance that supports the efficiency, and smooth flow of traffic to and from the city which is important for the mass production of QSEASV. The presence of a private exit provides a kind of promotion to the city with the entrance panels found on Madinah Road	The construction and design costs of the exit road which will create an addition cost on the project's budget
Region wise	The new road will be an addition to the road network and services in the region, creating a development and evolution in the region and around the project as whole	The expropriation settlement of the road construction has an additional responsibility on the governorate

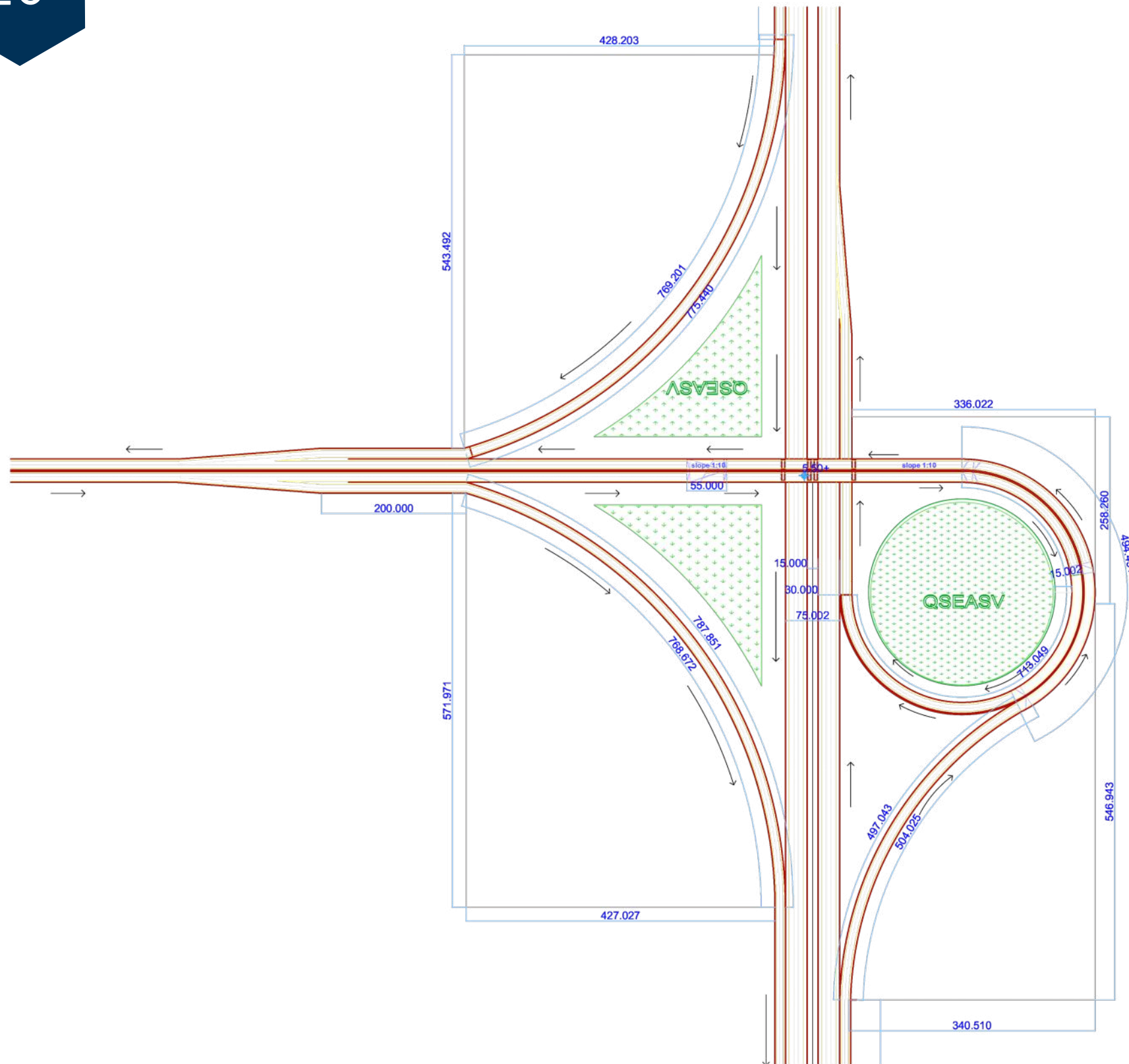
SITE ANALYSIS -9- First proposal



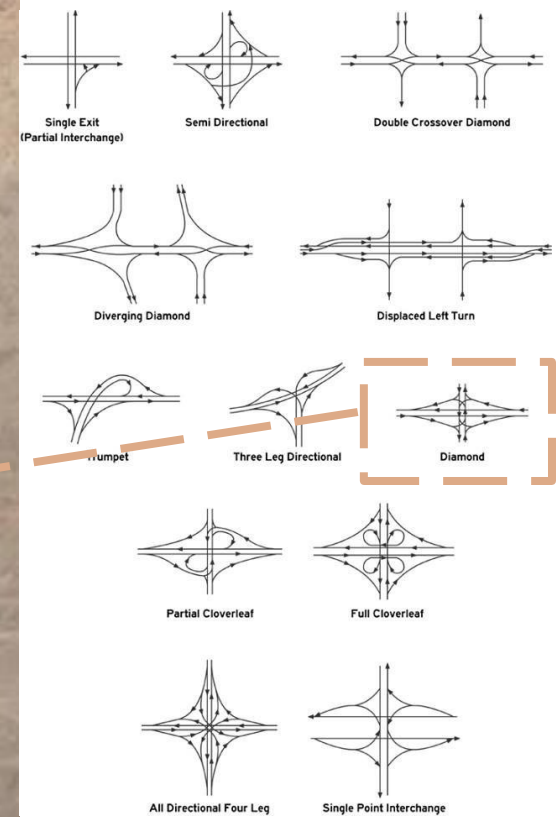


SITE ANALYSIS -9- First proposal

26



SITE ANALYSIS -10- Second proposal



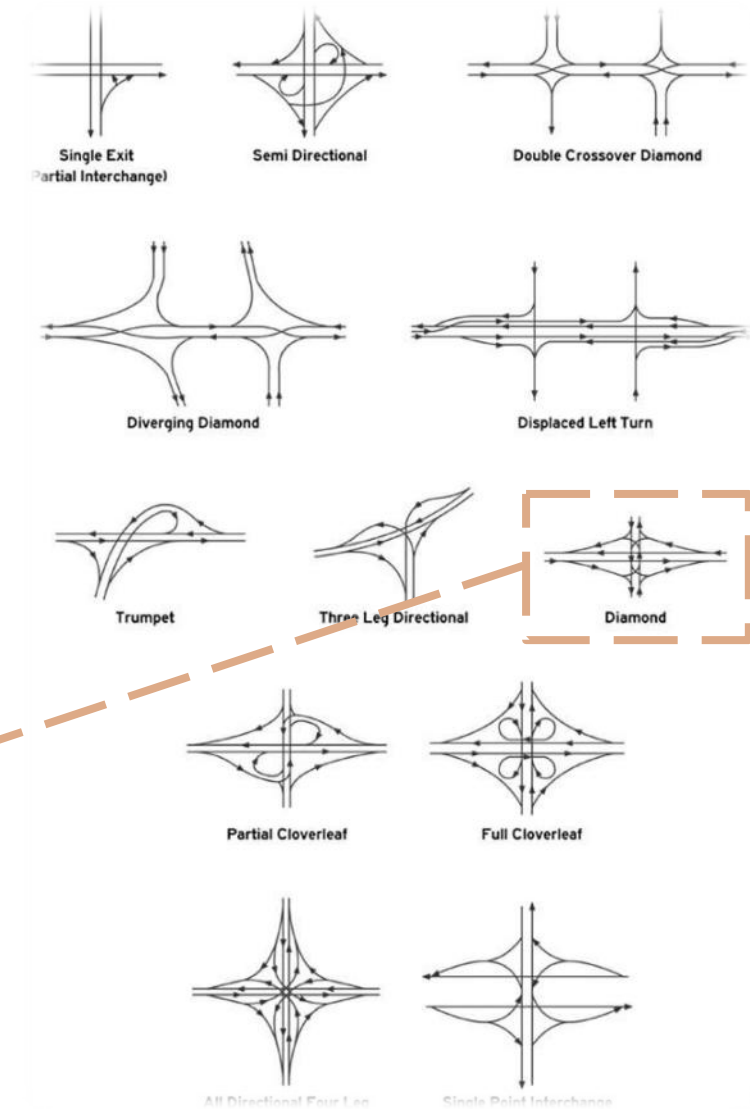
The first proposal road leading to the smart city extends about 8000 m in length and 30 m by 15 m wide in every direction separated by 2-meter-wide island.

	Advantages	Disadvantages
Project wise	Lower cost in terms of executing a private exit, benefit from the site 's surroundings, provide greater privacy for the project being far from the Medina road	Obstructing traffic as the road represents an intersection point between two highways,
Region wise	Developing, enhancing and raising the efficiency of the existing resources	The road needs maintenance and rehabilitation to withstand the traffic, the road distance is very long and so requires more settlements to construct the road.



SITE ANALYSIS -11- Third proposal

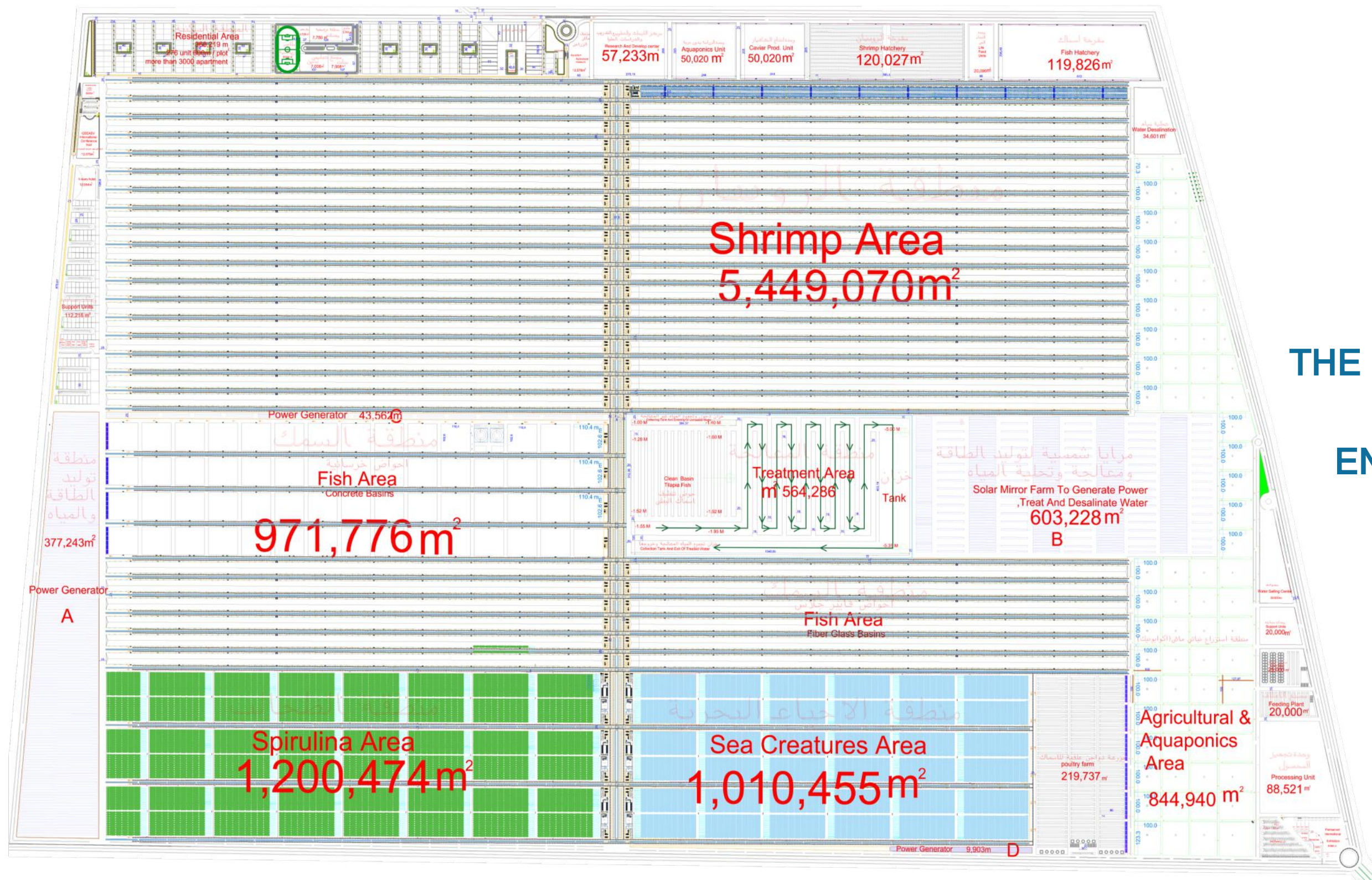
28



The first proposal road leading to the smart city extends approximately **15,000 m** in length and **30 m x 15 m** in width for each direction separated by an island of **2 m** width. This road is characterized by providing a private entry as branching from the main Madinah road that is Abawaa Road and is less crowded than other roads.

	Advantages	Disadvantages
Project wise	Lower cost in terms of executing a private exit road, taking advantage of the site's surroundings, far from the main Medina road which provides greater privacy for the project	Traffic congestion where there is more than one intersection point, longer distance which increases the project's financial cost
Region wise	Developing and nourishing the existing resources, having a paved road will reduce expropriation procedures resources	The road needs maintenance and reconfiguration to withstand the traffic, the distance is longer which requires extra adjustments for road construction.

SITE ANALYSIS -12- THE PROJECT'S MAIN ENTRANCE



THE PROJECT'S
MAIN
ENTRANCE





SITE ANALYSIS -13- FUTURE EXPECTATION & EVOLUTION

30

Actual site surrounding



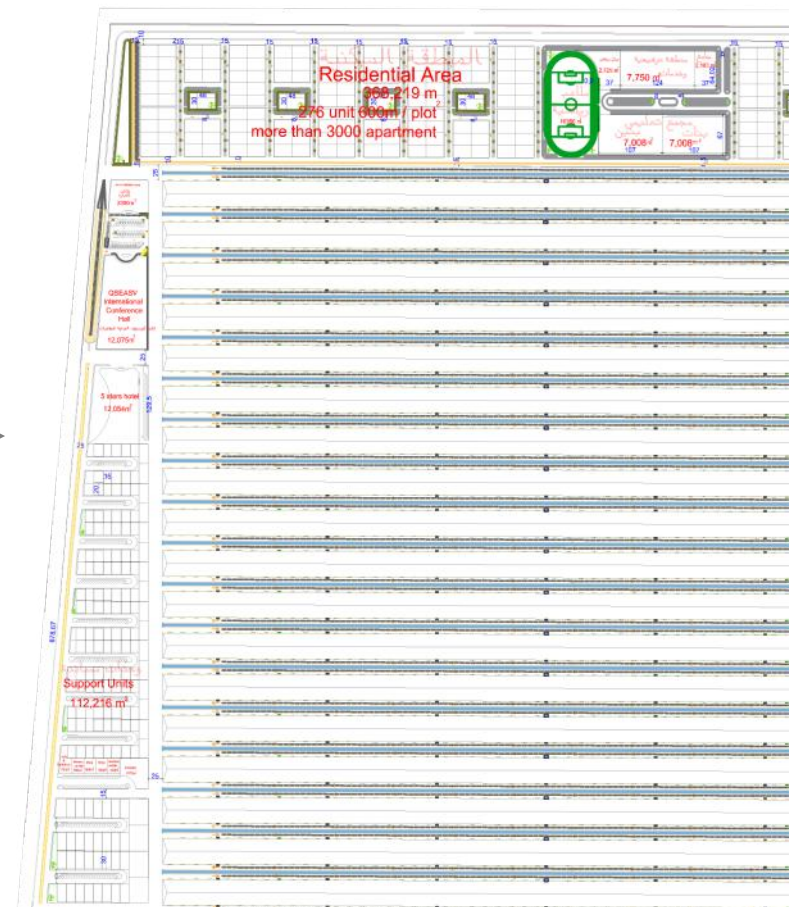
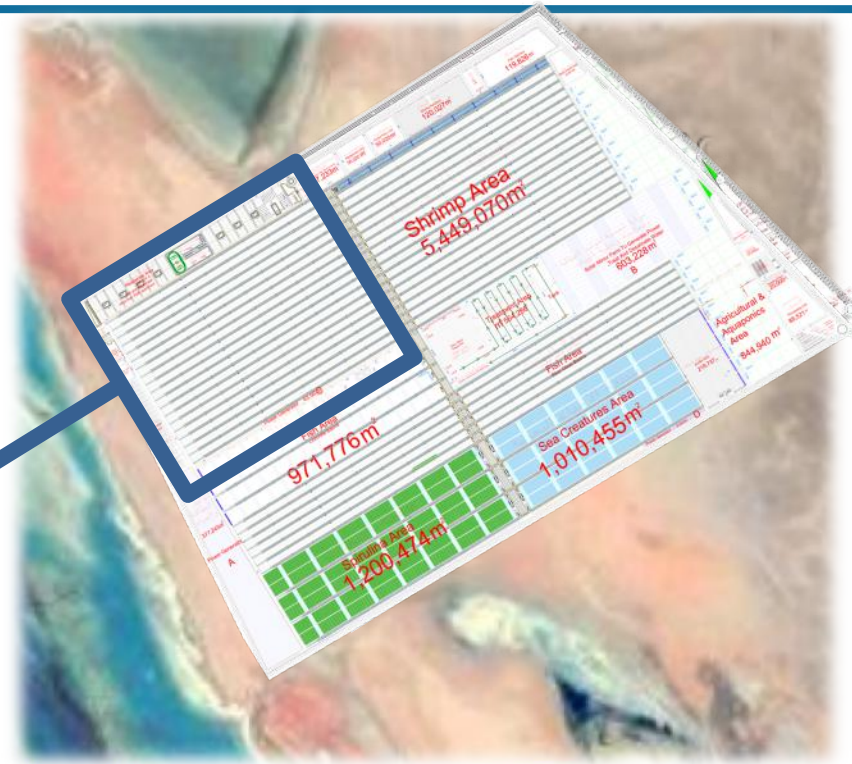
Future expectation



Future expectation & evolution for surrounded area

There are many advantages expected from the project on the surrounding area, the most important will be the agricultural Prosperity . Which be provides huge quantities of recycled water for agriculture

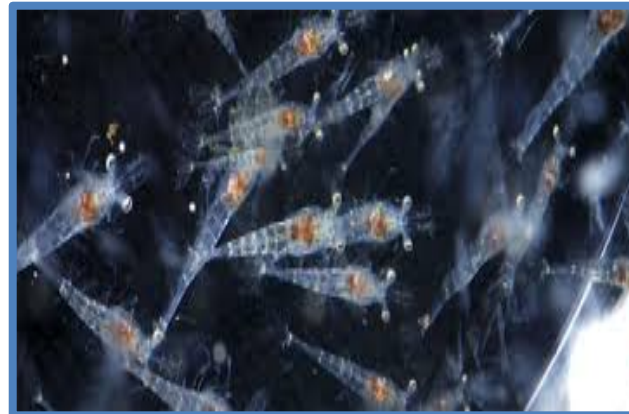
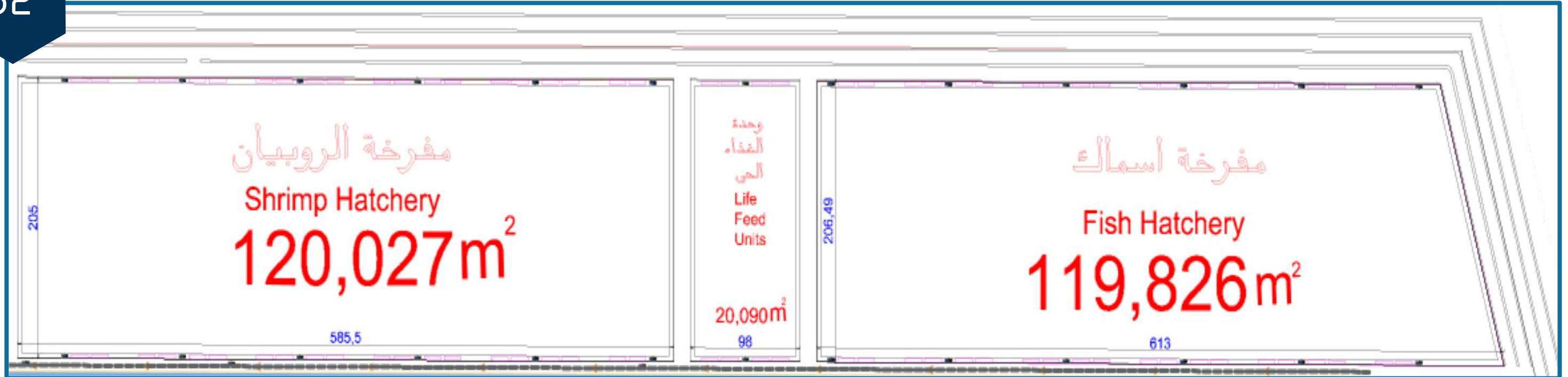
SITE ANALYSIS -14- QSEASV EAST COAST





SHRIMP AND FISH HATCHERIES

32



Shrimp Hatchery

Locations where shrimp are kept during their lifecycle development

Maintain artificial condition

On the way to becoming fully-formed shrimp for commercial sale.

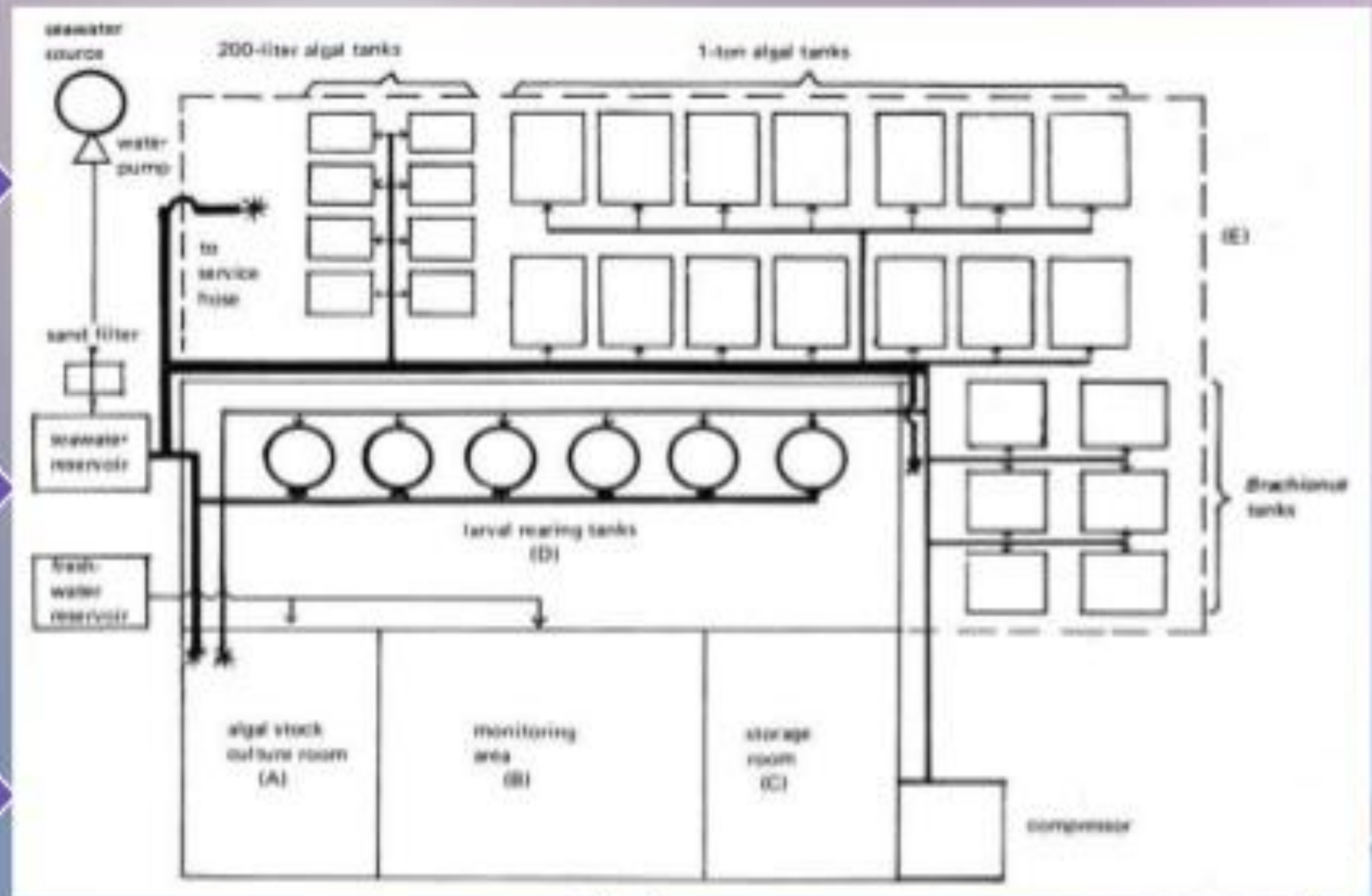
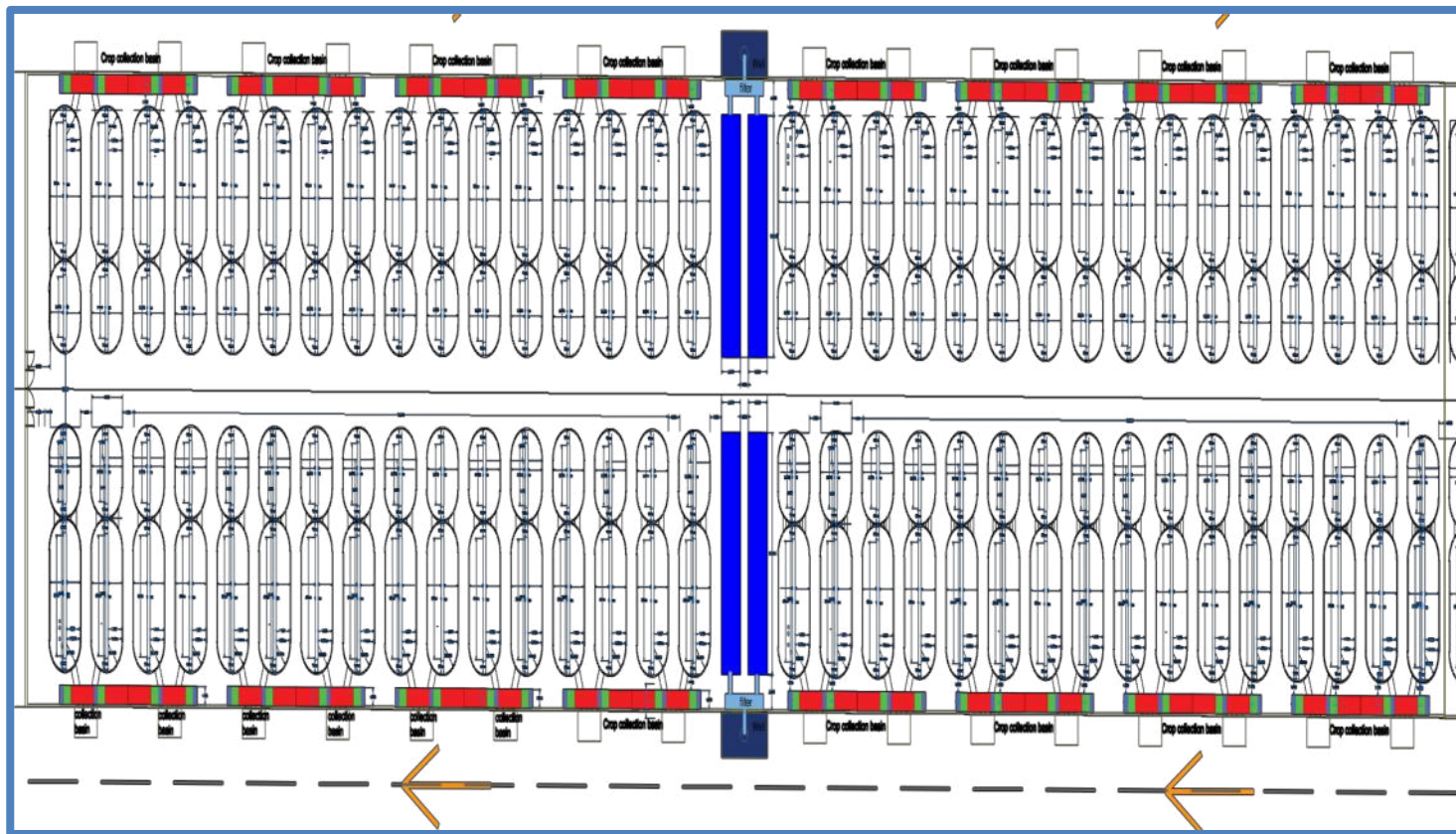


Fig: General Layout Of Shrimp Hatchery

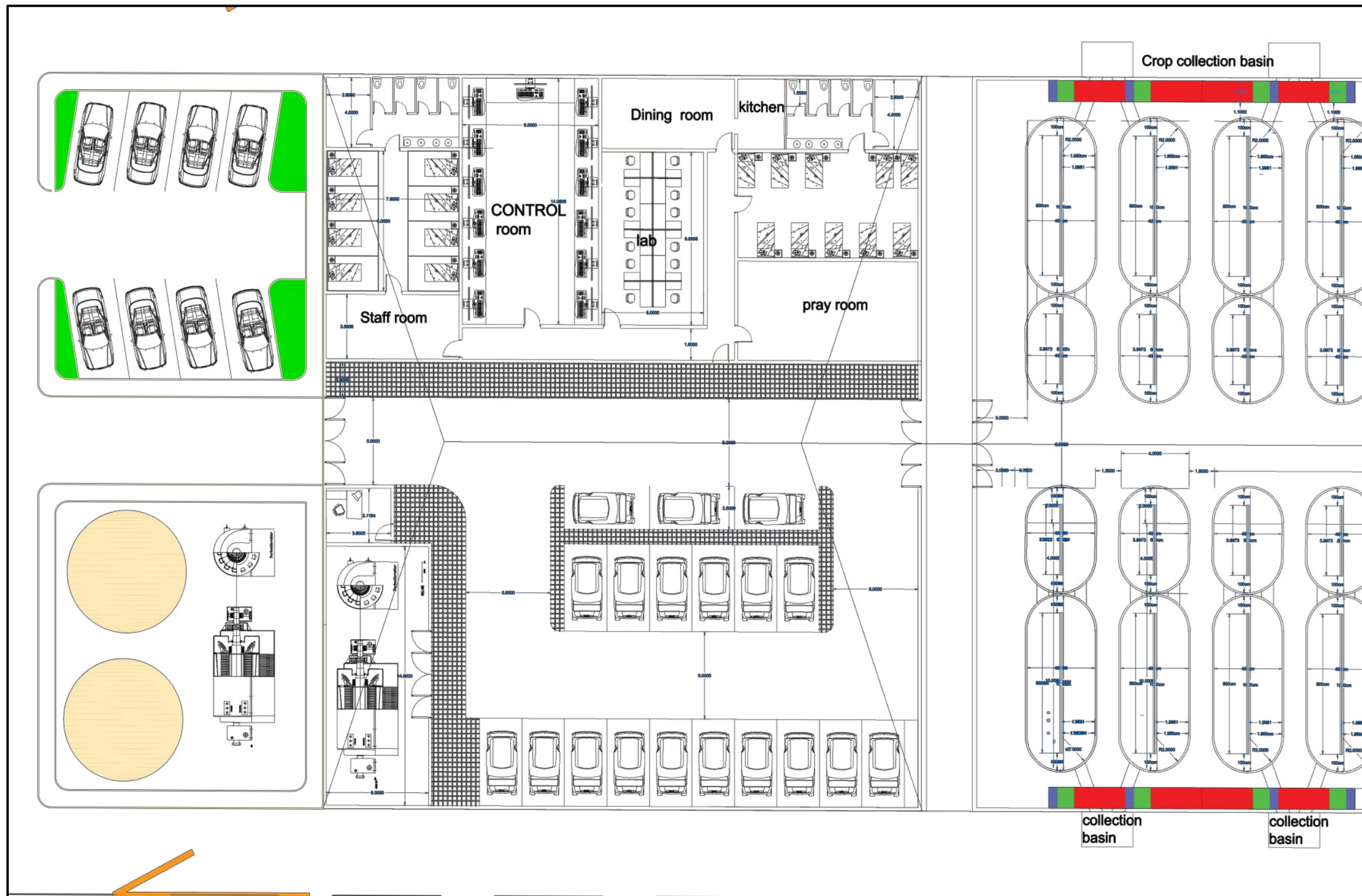


INDOOR PONDS SAMPLE

34



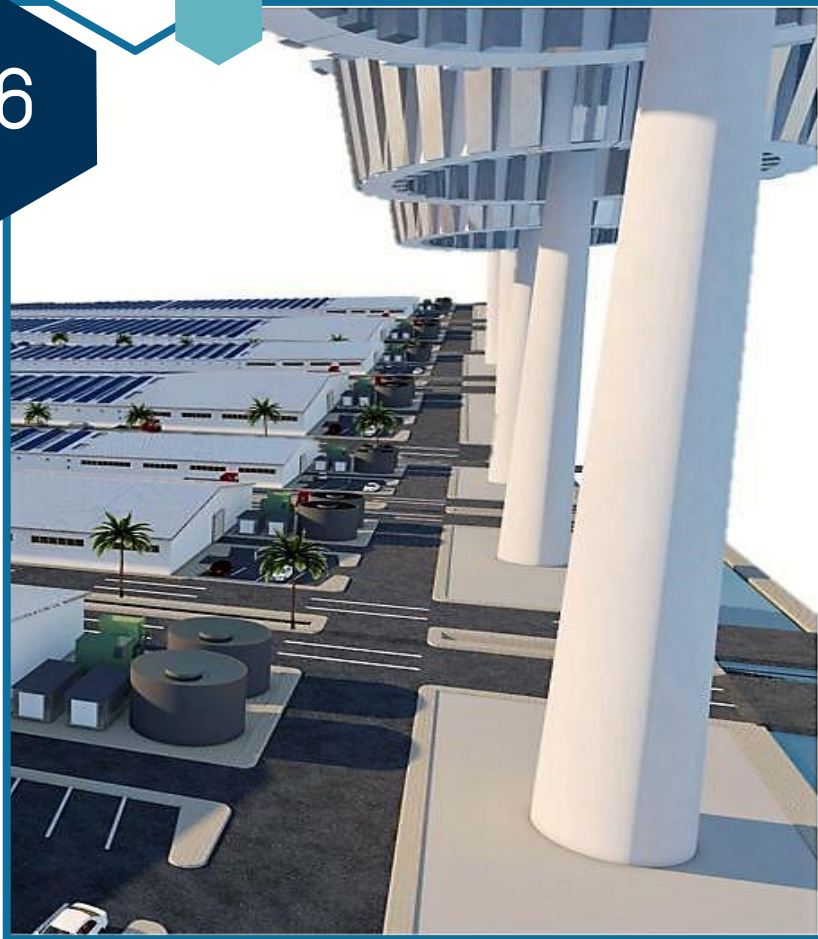
POND CONTROL & OPERATION UNITS



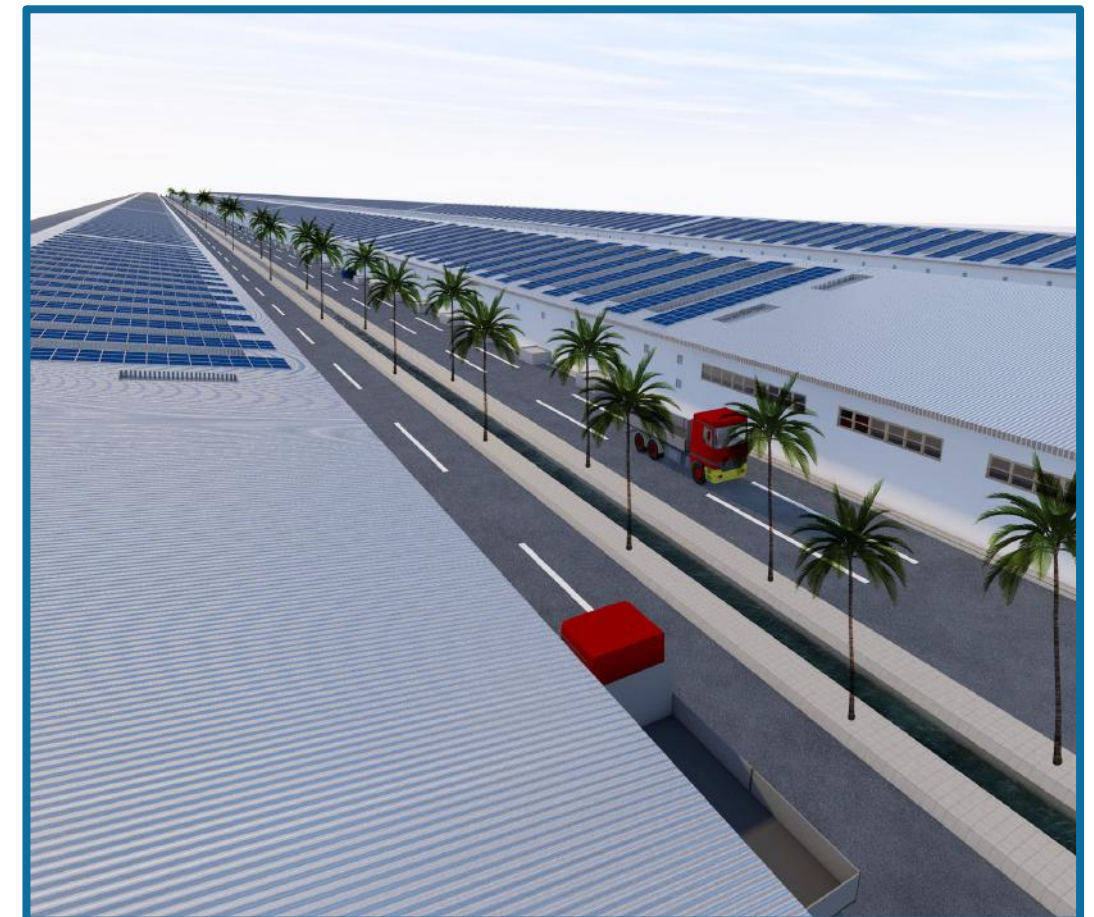
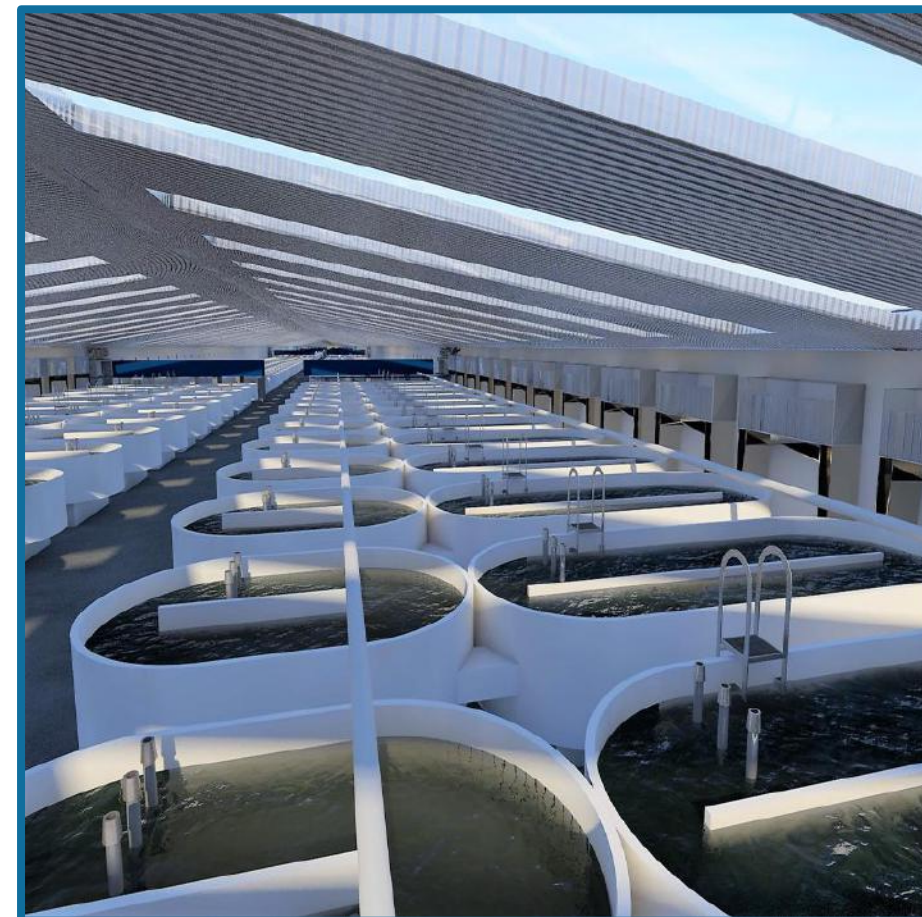
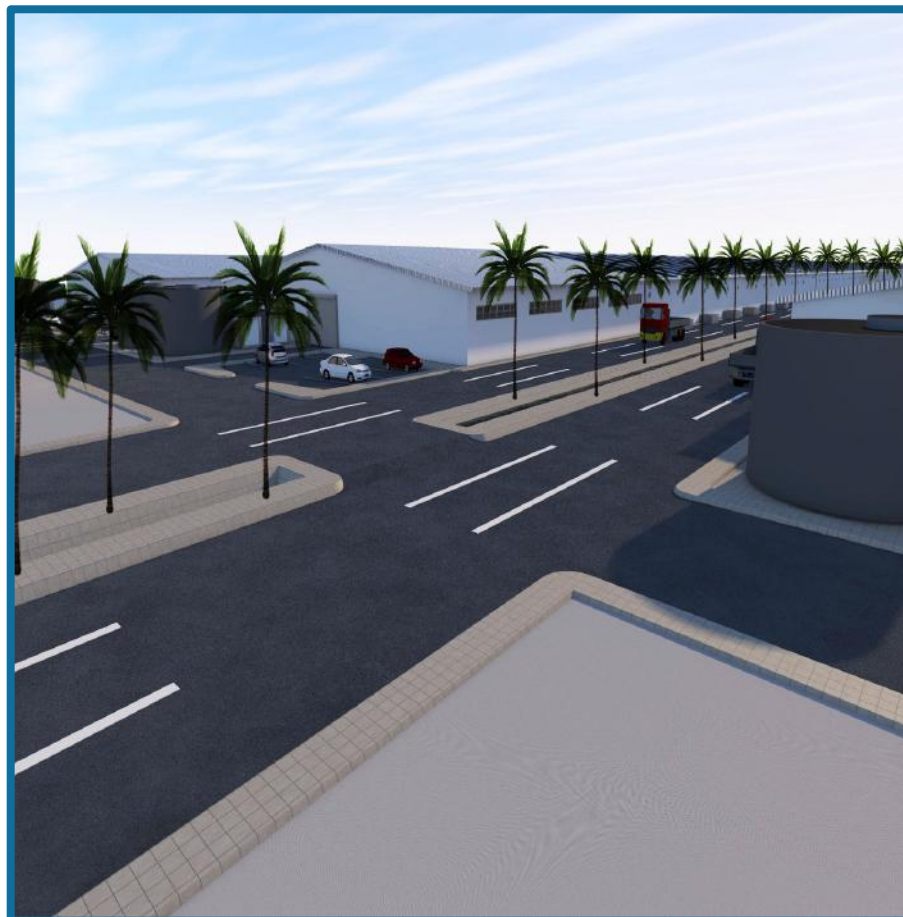


Indoor Shrimp Farm Houses Supported by Solar Mirror for Energy

36



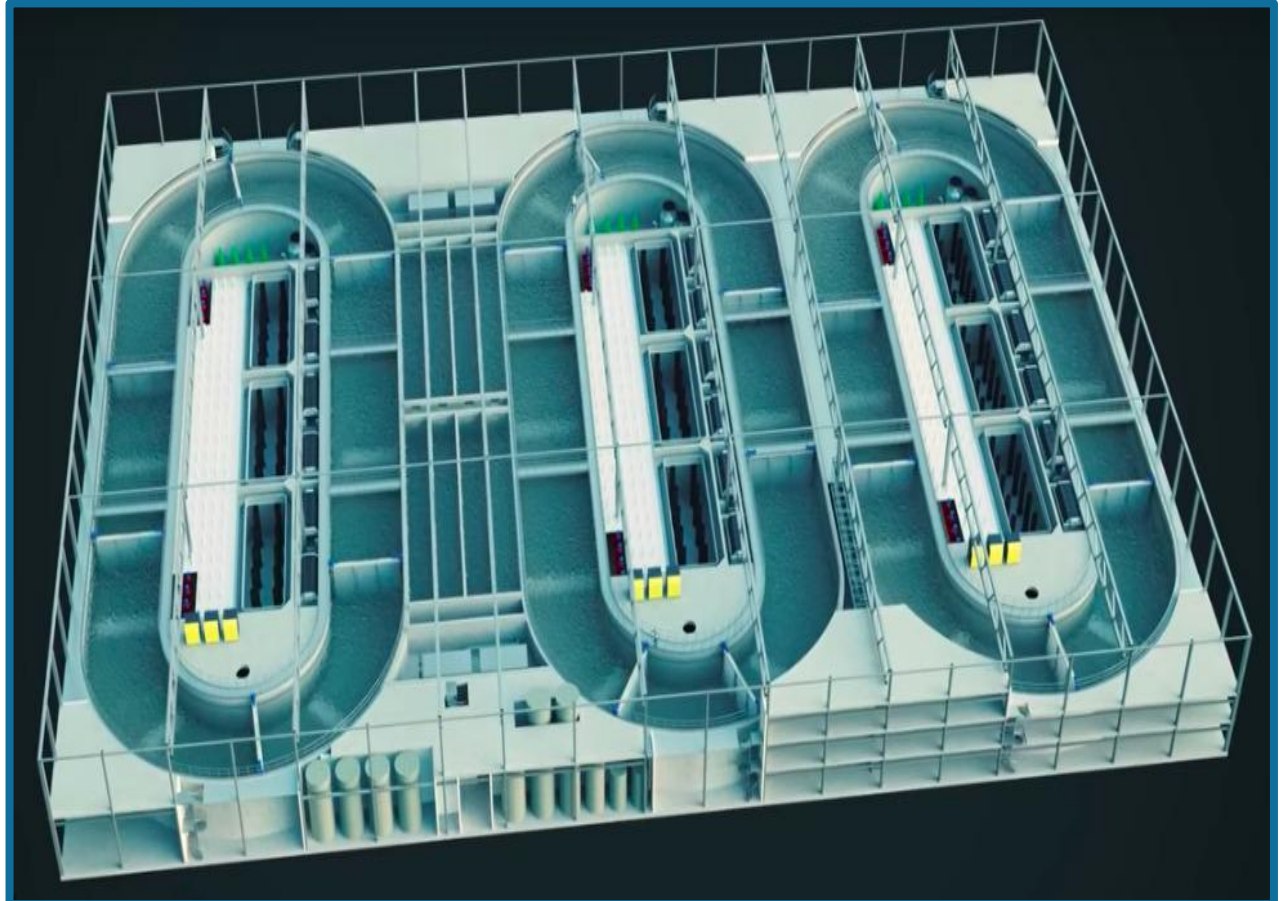
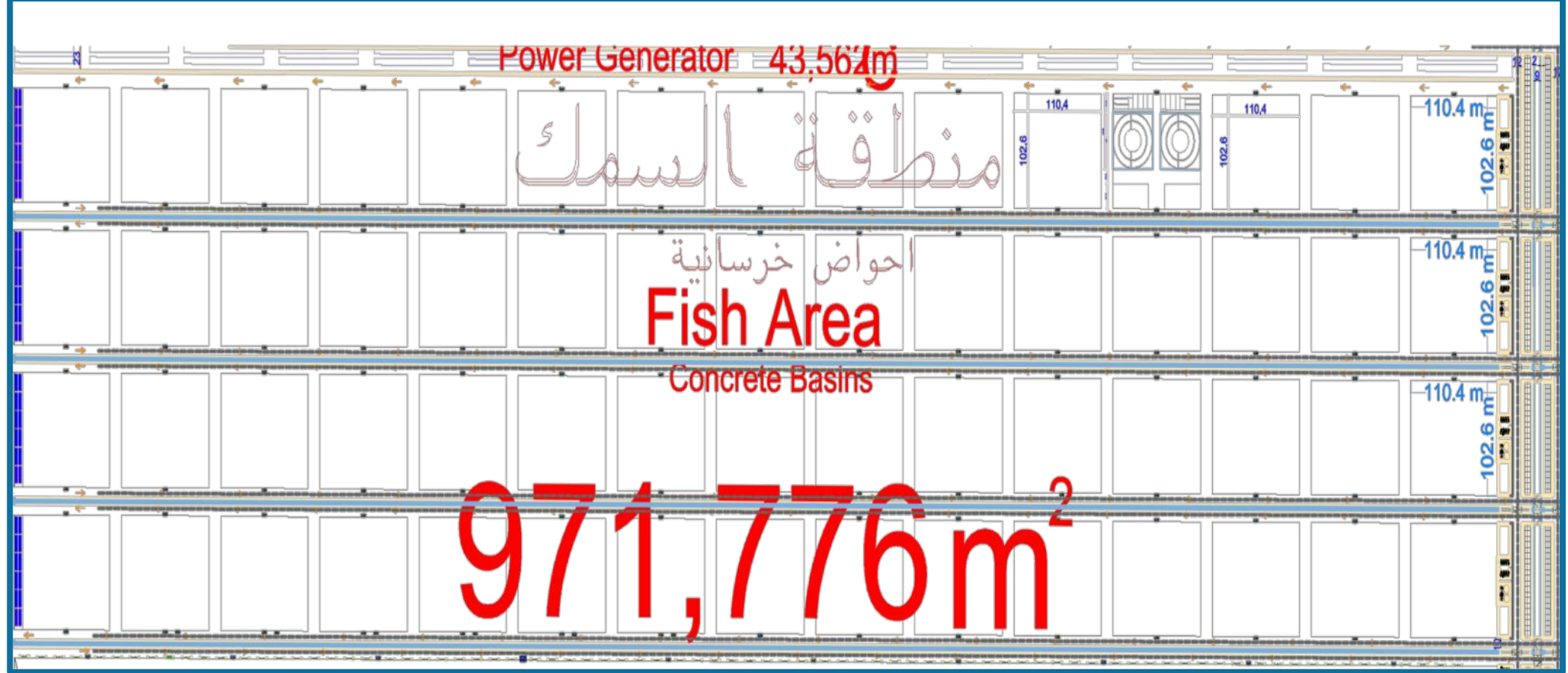
Indoor Fish Farm Houses Supported by Solar Mirror for energy





Concrete Fish Farm System

38



Concrete Fish Farm System



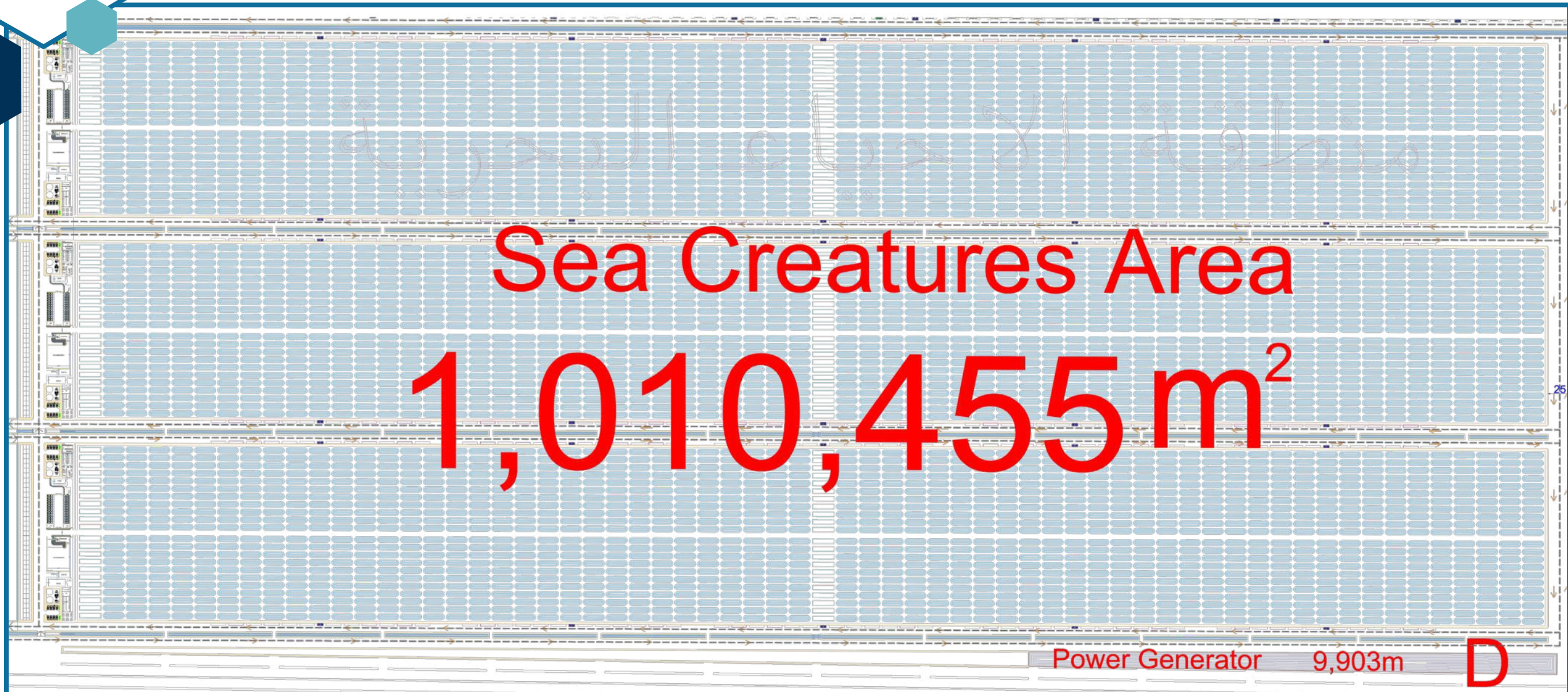
39





Sea Creatures Area

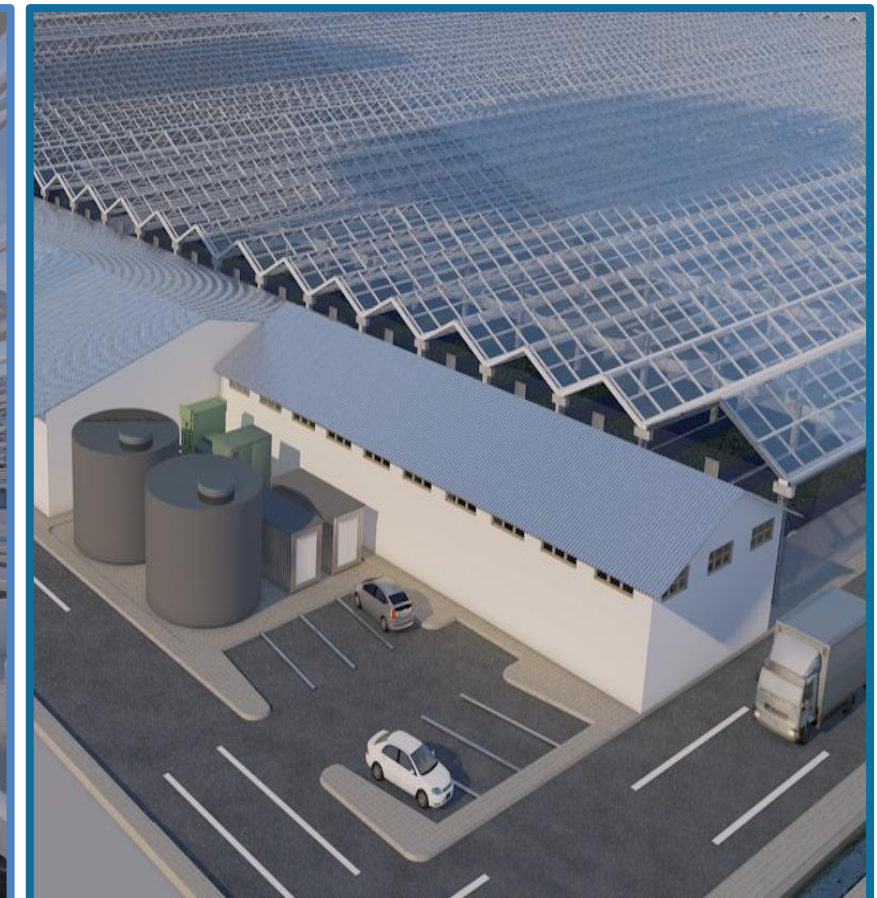
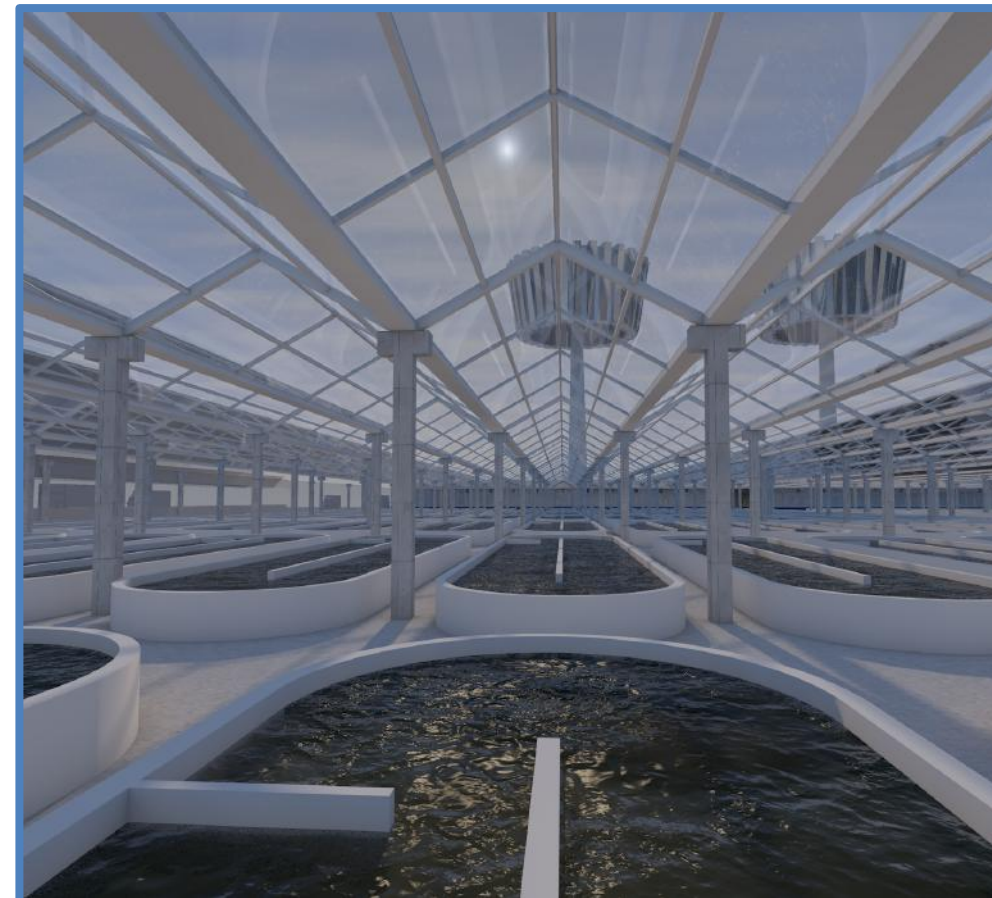
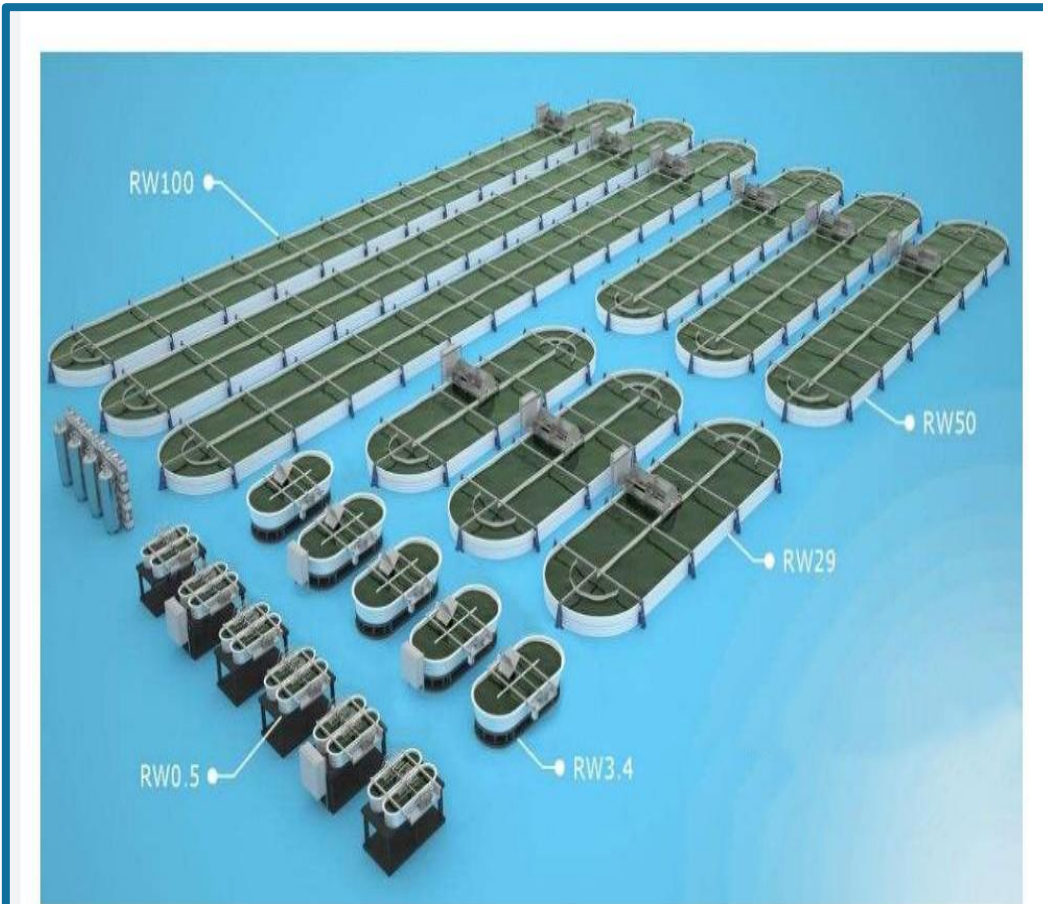
40



Spirulina (algae) Farm and Factory



41



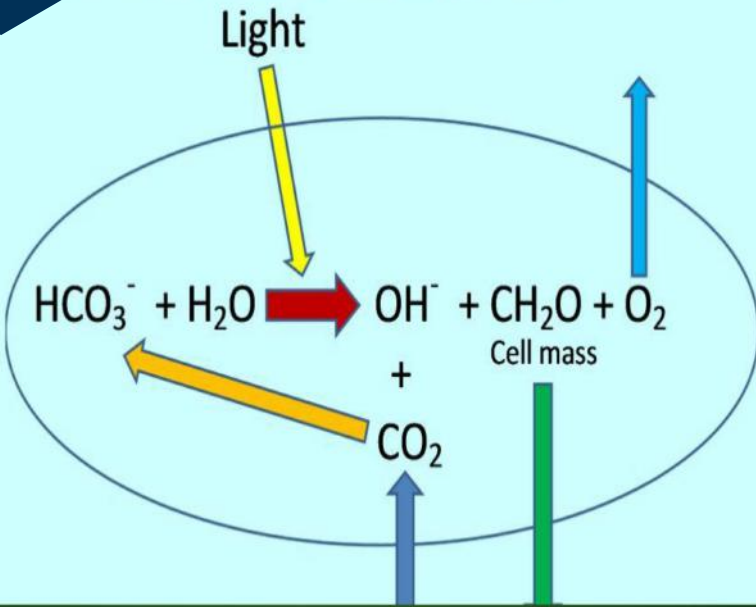


Spirulina (algae) Farm and Factory

42

Carbonate Cycle in Spirulina Cultivation

Carbon dioxide and carbon dioxide go in. Photosynthesis produces cell mass, oxygen, and hydroxide. Oxygen and cell mass come out. Bicarbonate is regenerated from carbon dioxide and hydroxide.



Helps in weight loss

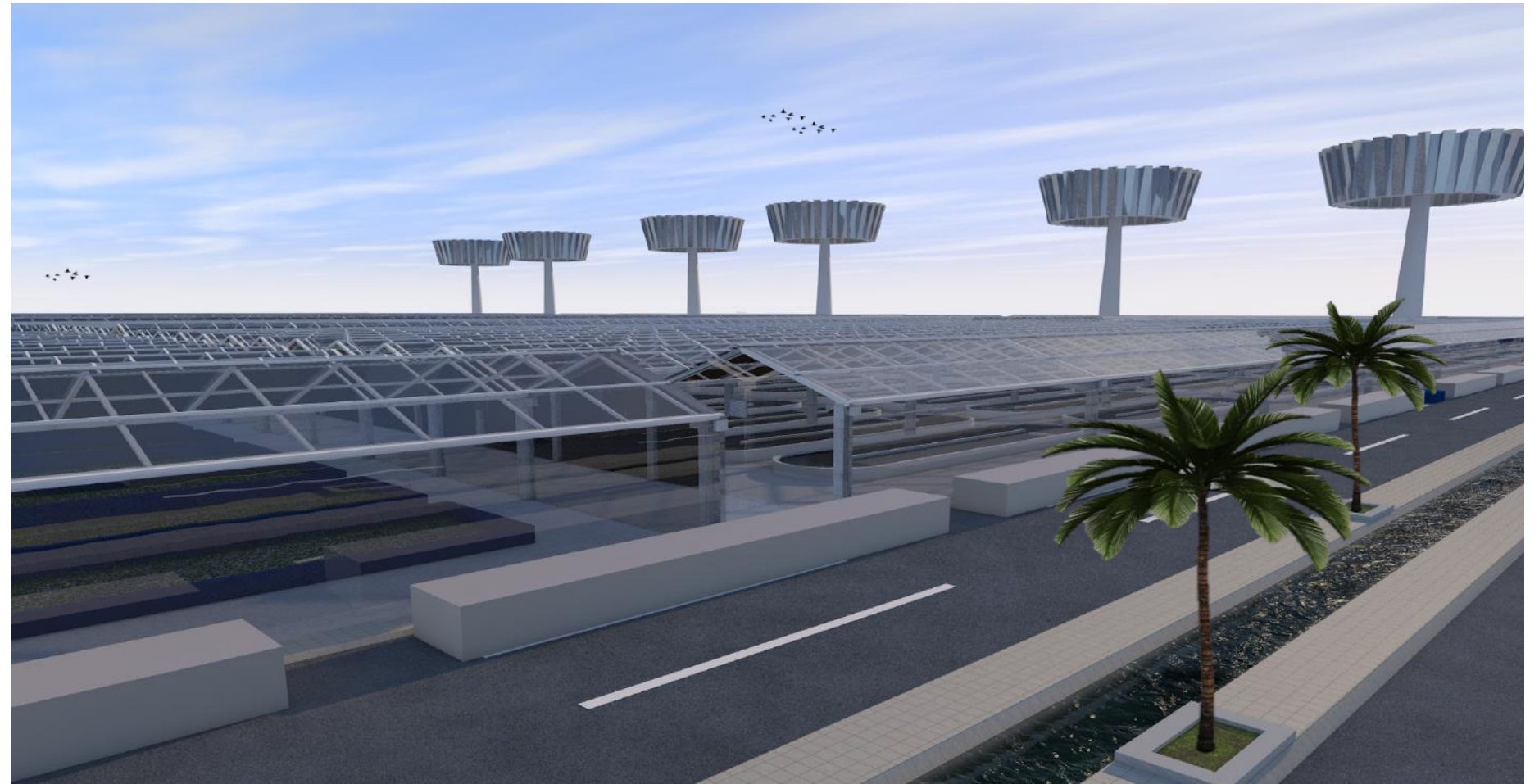
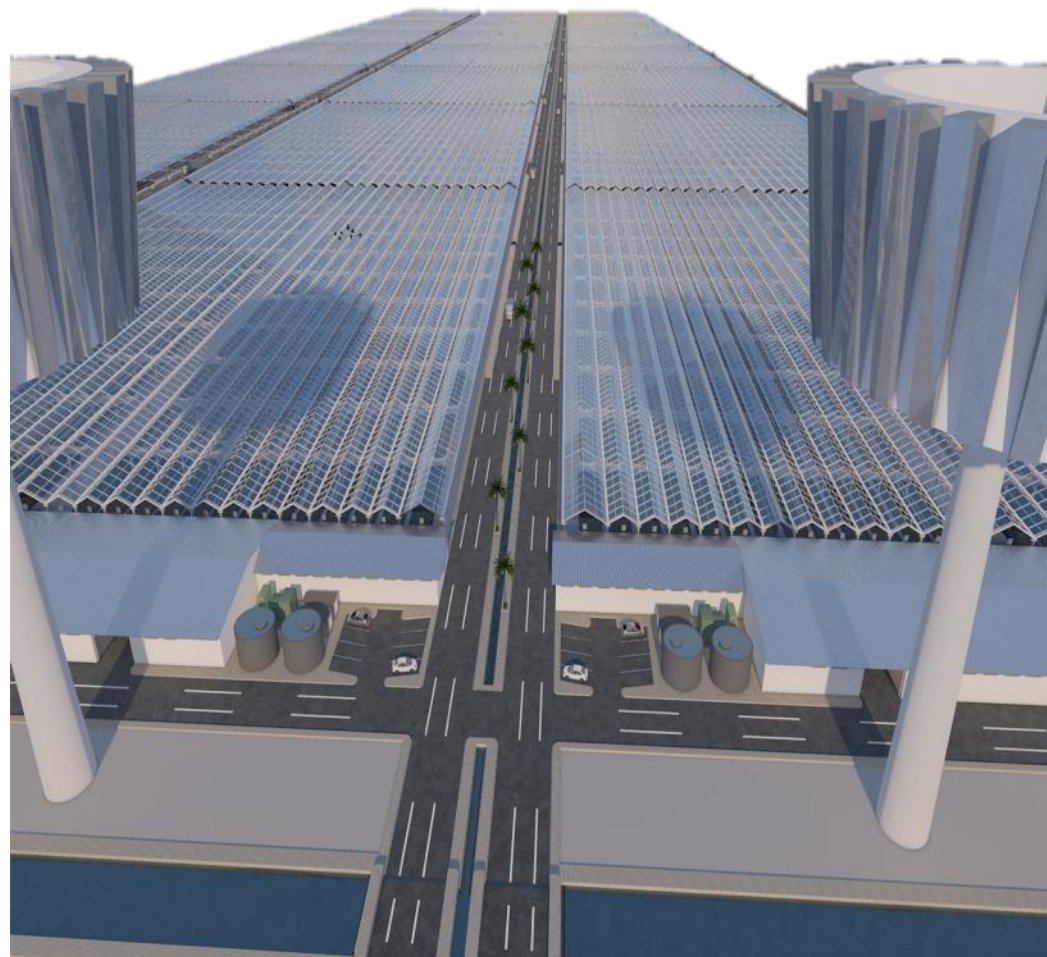
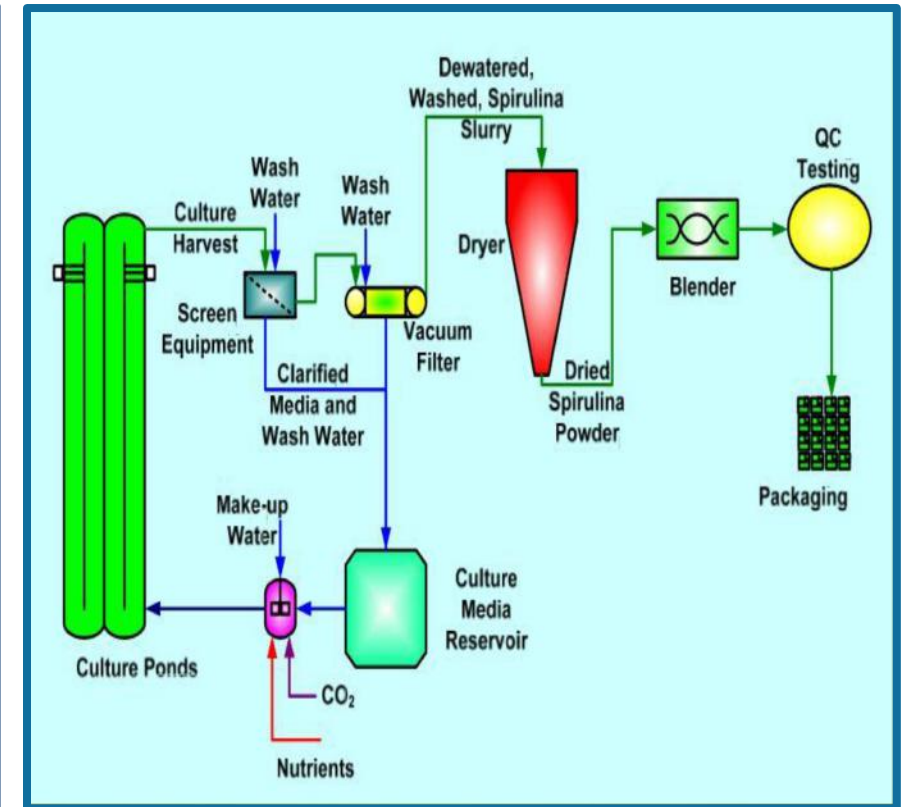
Strengthens Hair follicles

Builds up the damaged cells

Strengthen focus ability

Strengthens the immune system

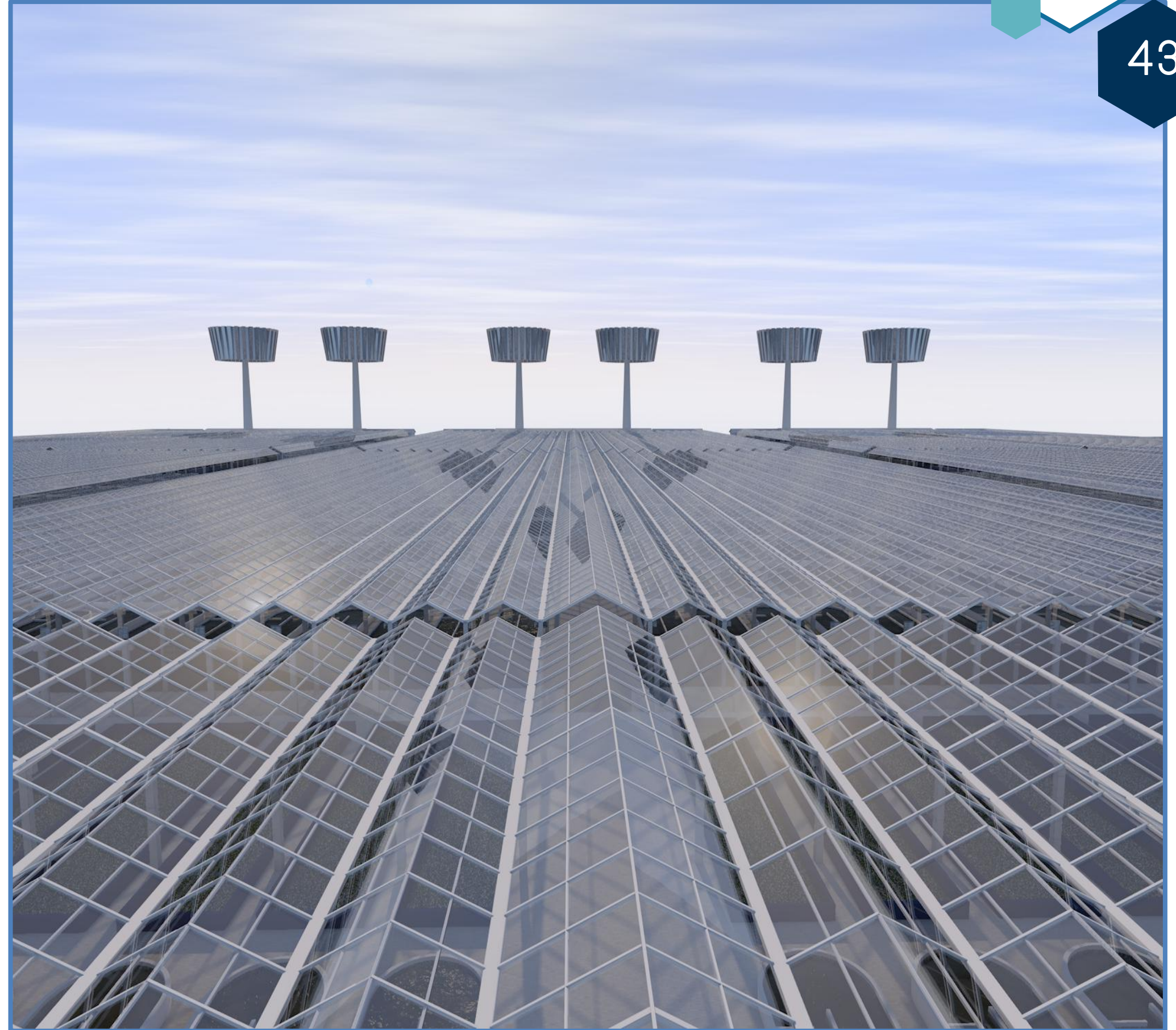
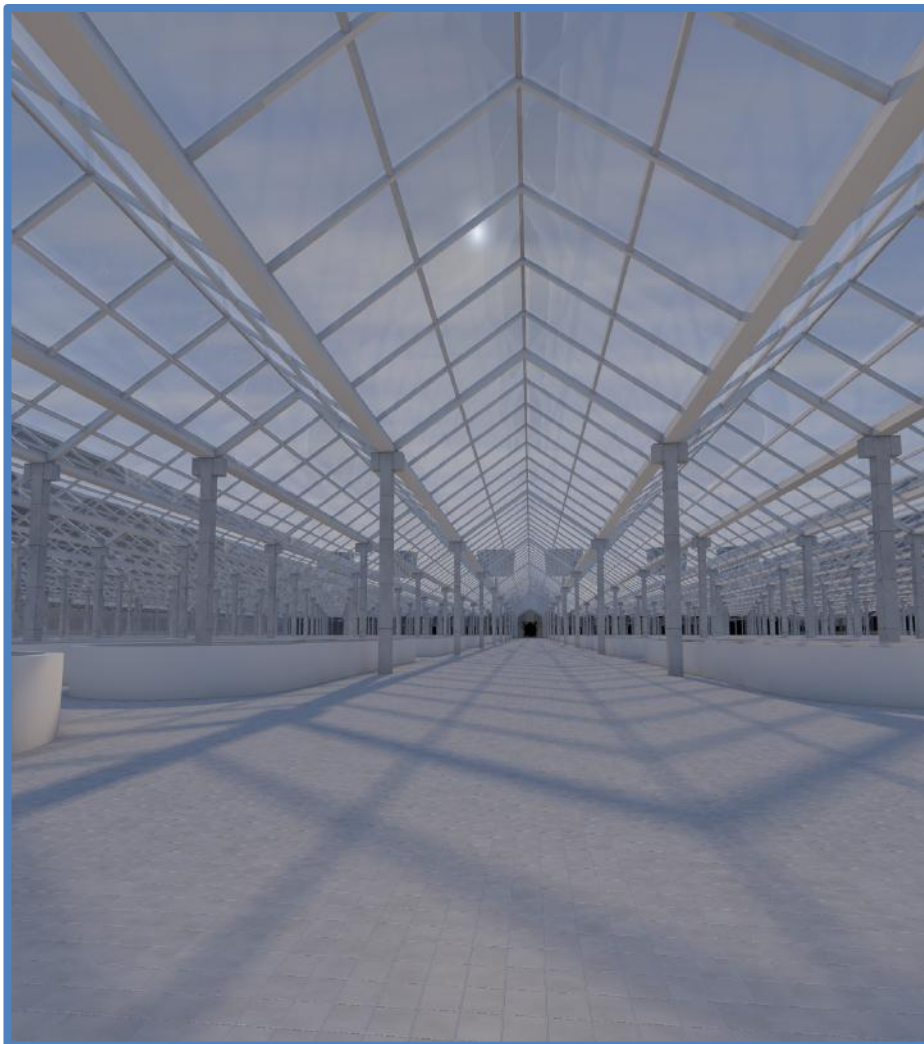
Product of pure and natural spirulina (algae) that is harvested from the purest part of the lakes klamath in Oregon state



Spirulina (algae) Farm and Factory



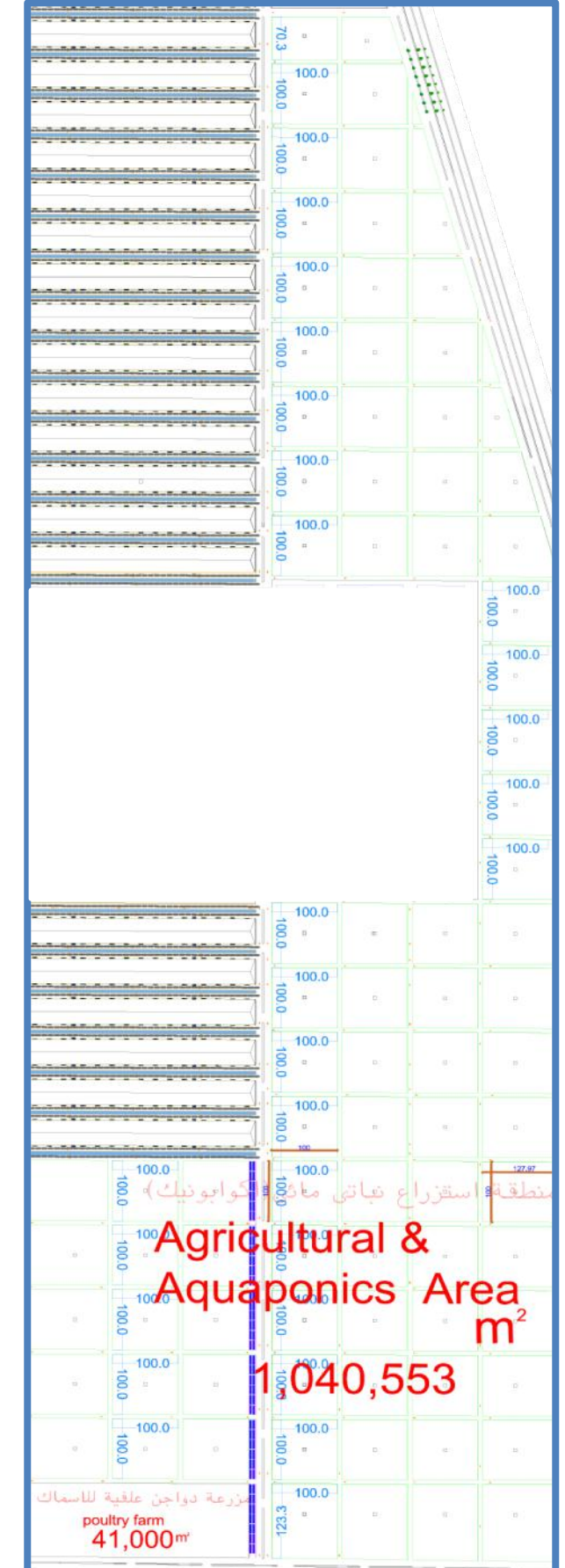
43





HYDROPONIC & AQUAPONIC FARM

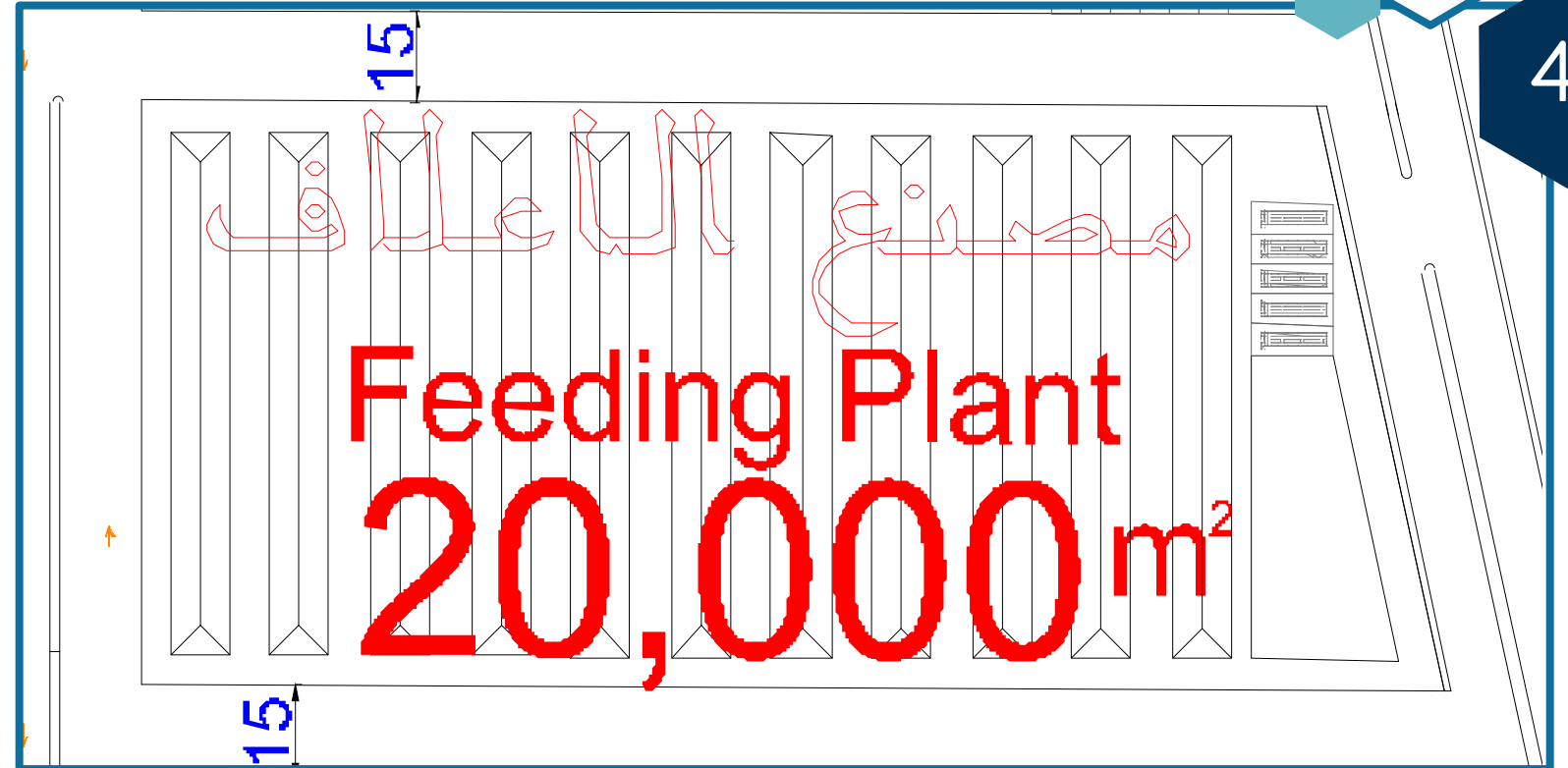
44



Poultry Farms



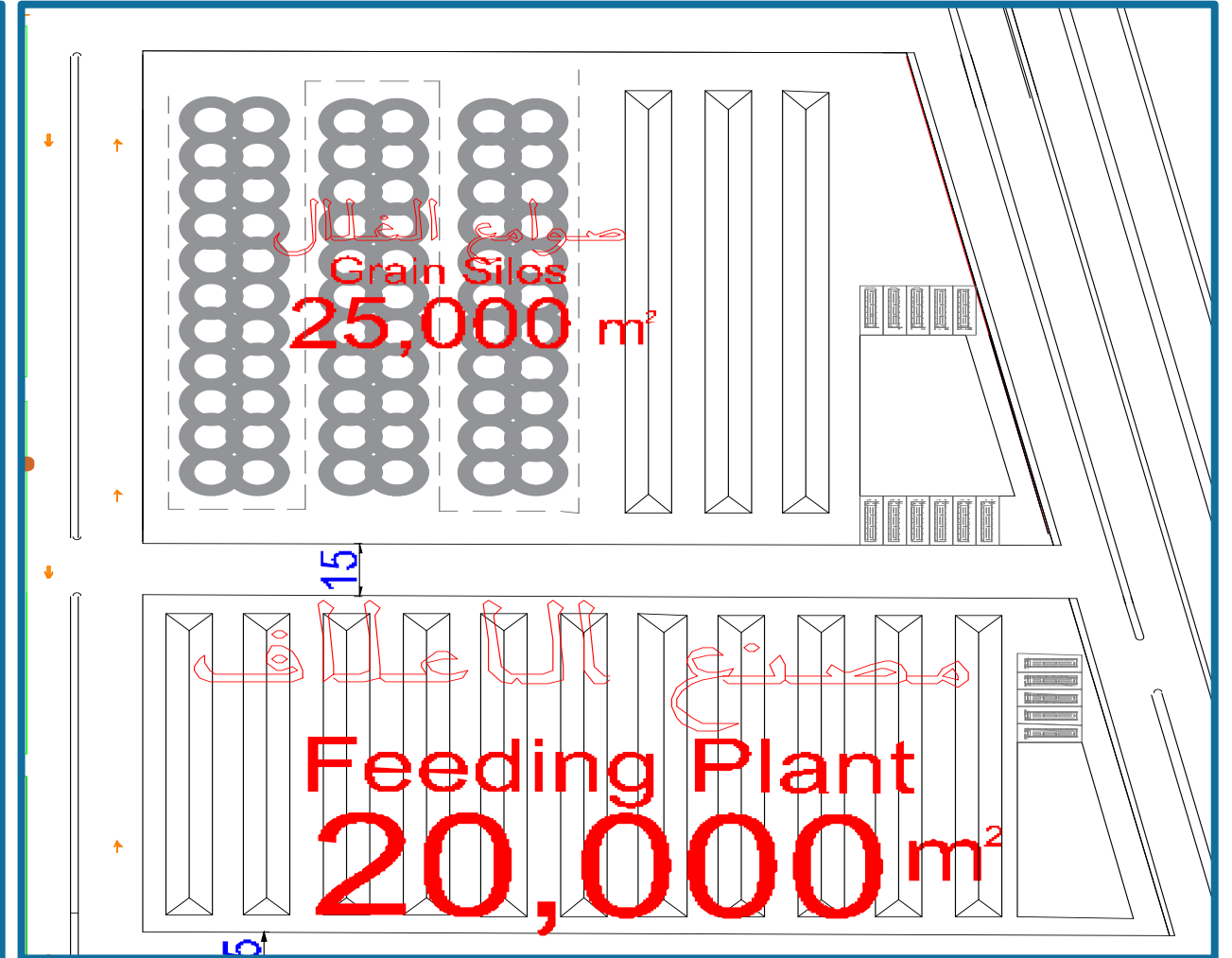
45



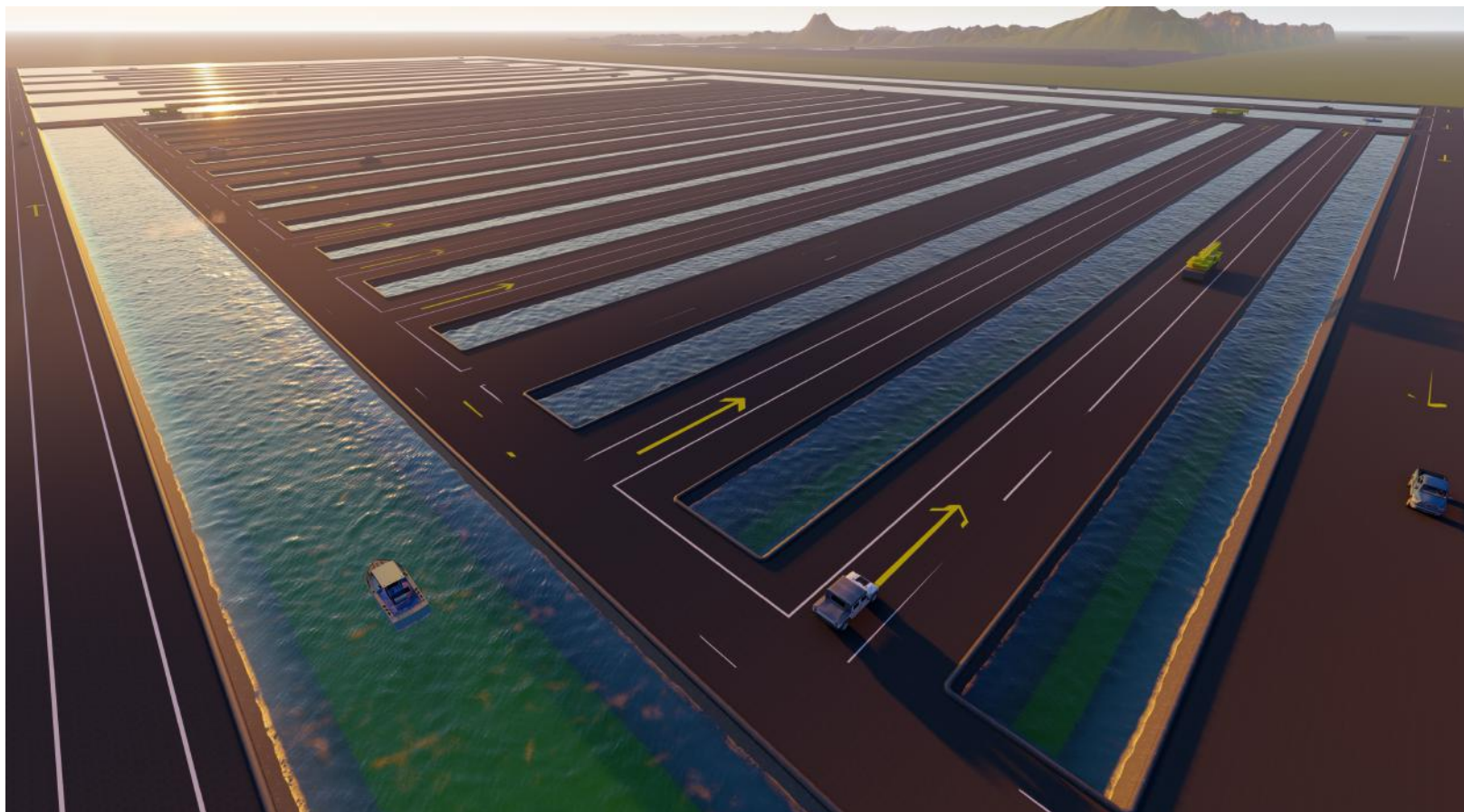
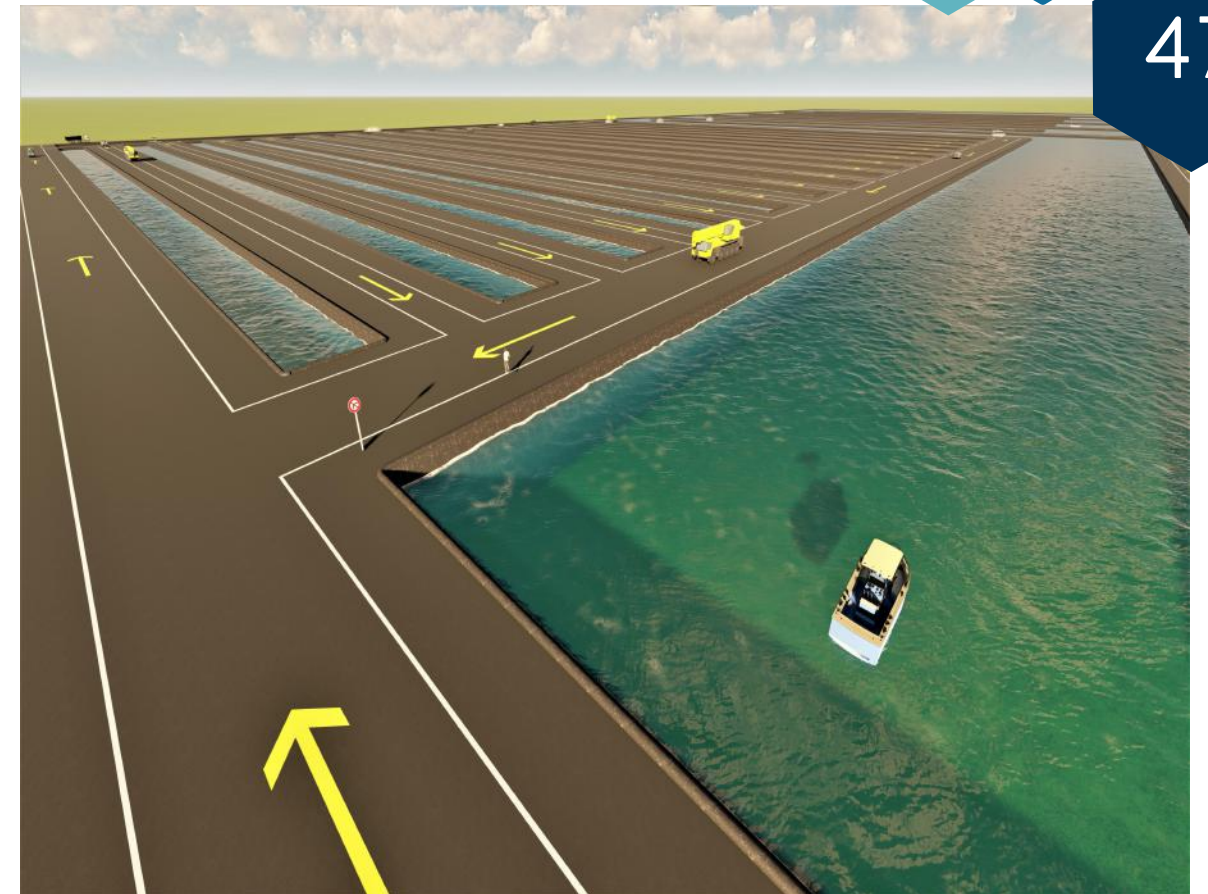
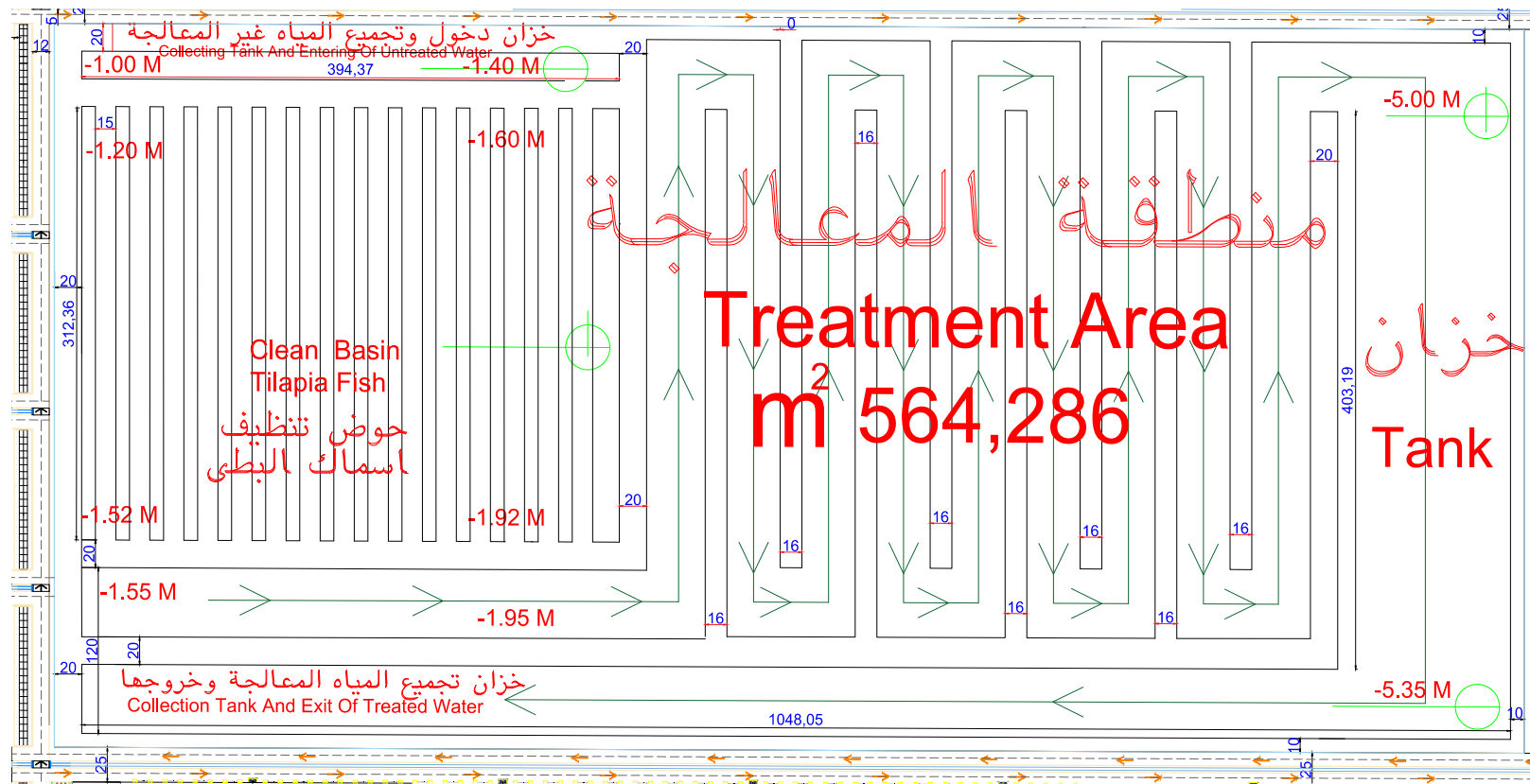


Grain Silos & Feeding Plant

46



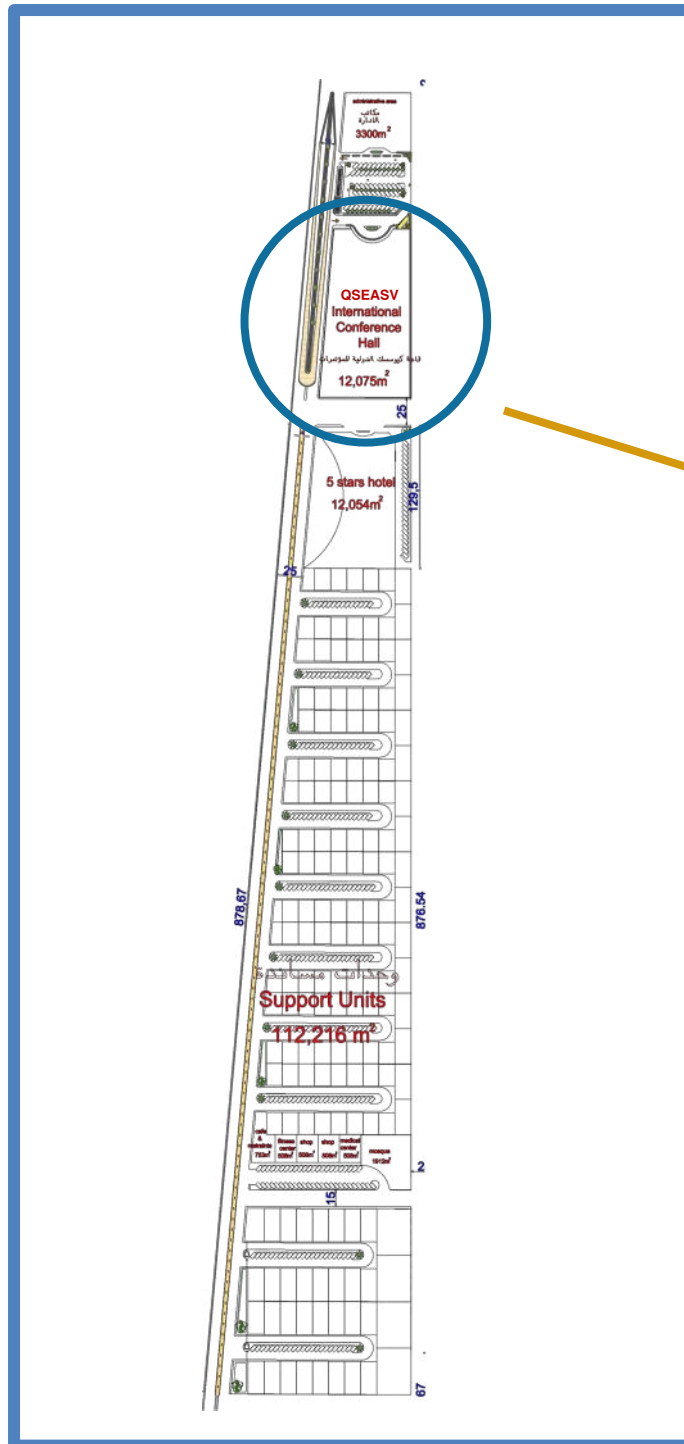
Treatment Area



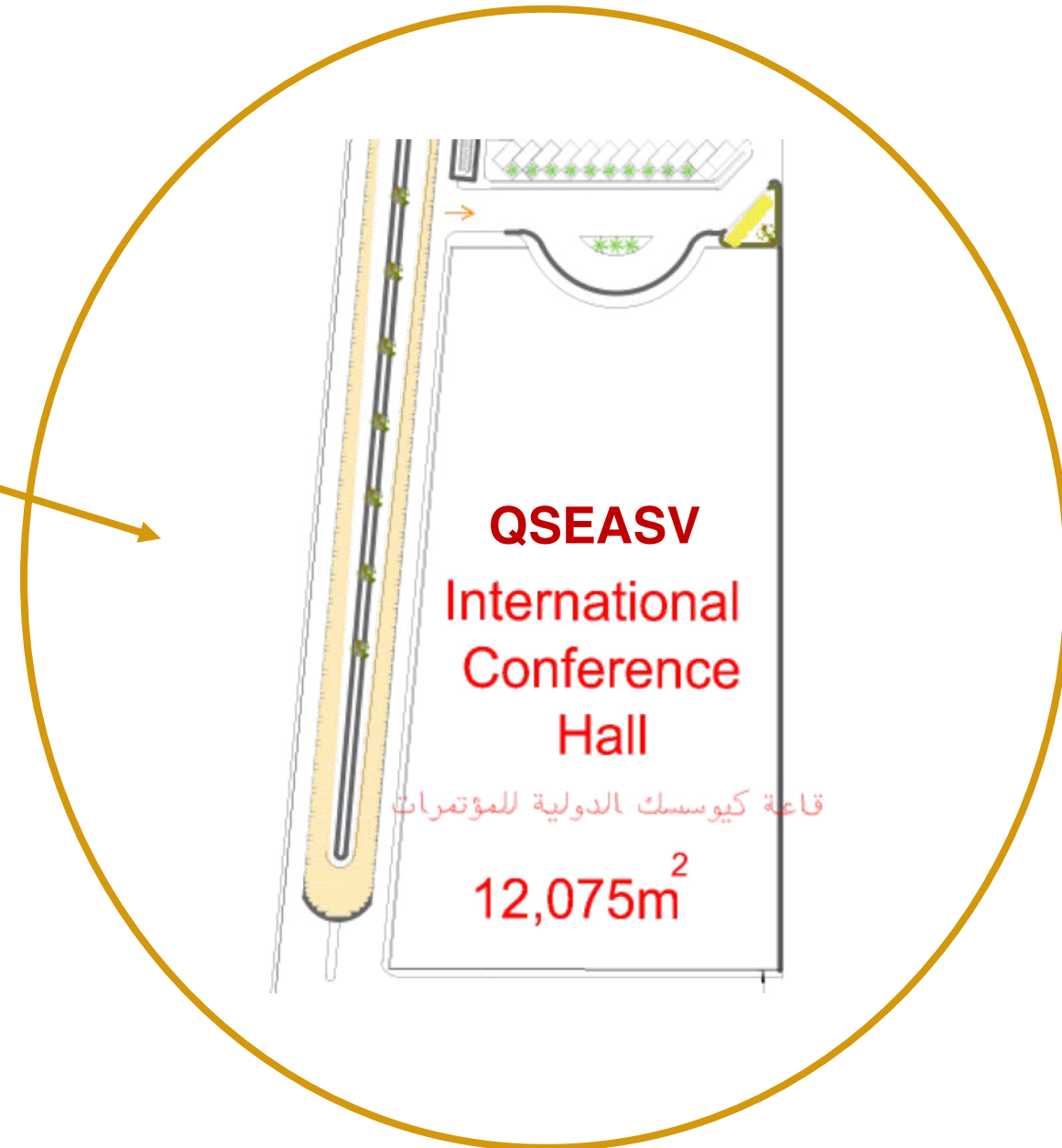


SUPPORT UNIT & ADMINISTRATIVE AREA

48

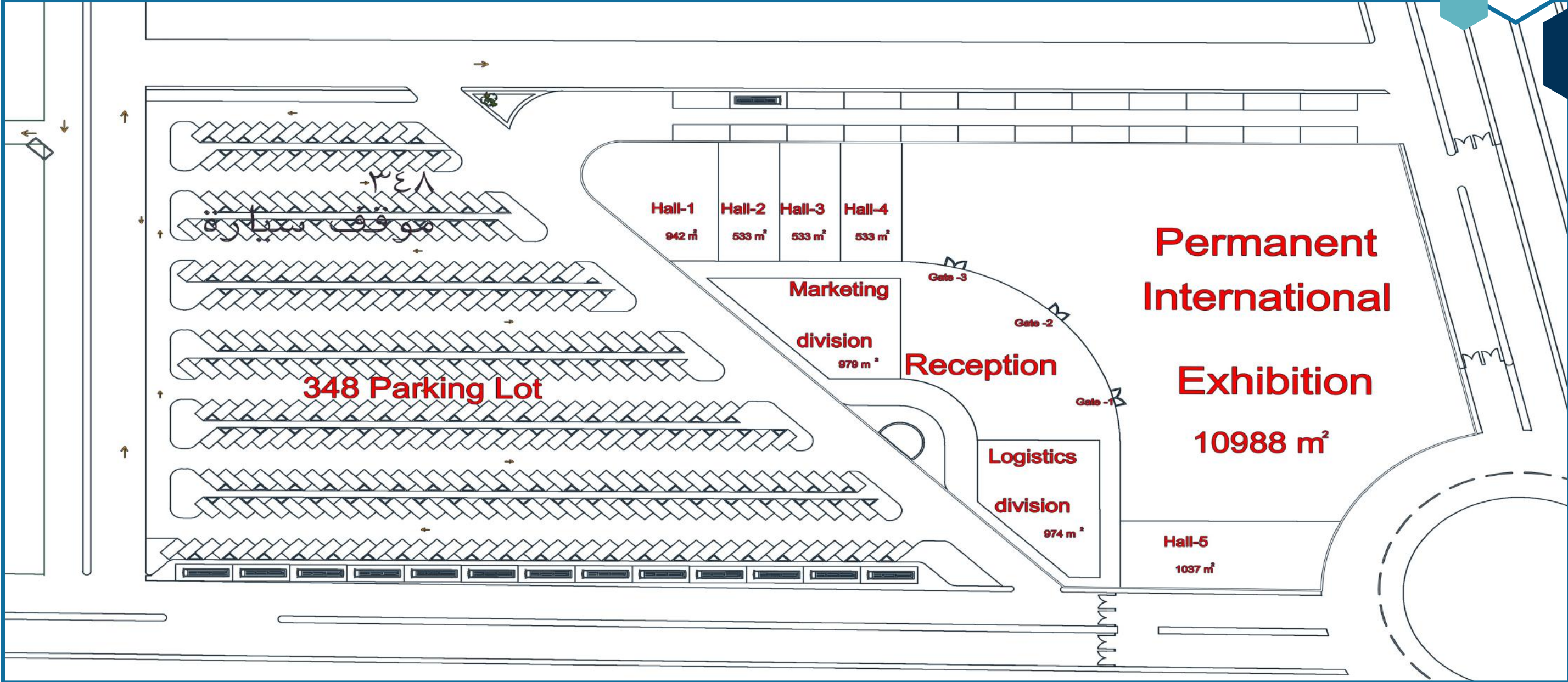


SUPPORT UNIT



QSEASV INTERNATIONAL
CONFERENCE HALL

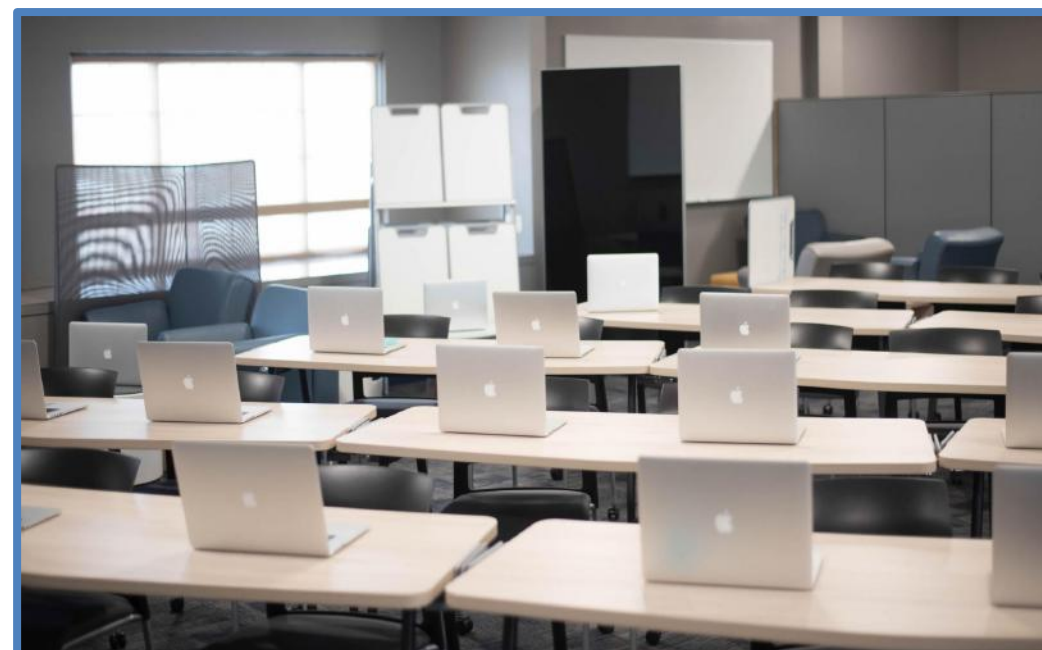
QSEASV INTERNATIONAL EXHIBITION CENTER ,SALES, MARKETING & LOGISTIC SERVICES





GUESTS' HOTEL, ADMINISTRATION & INTERNATIONAL CONFERENCE HALL

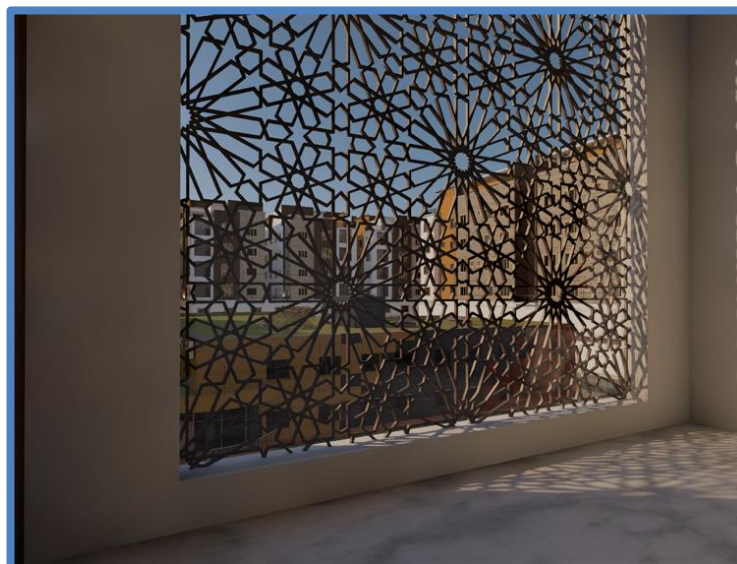
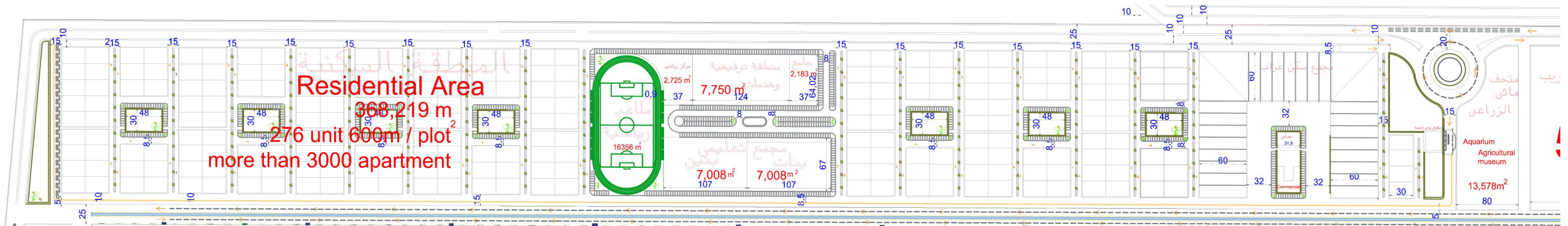
50



Residential Area Shot -A



More than 3000 Residential units For Families

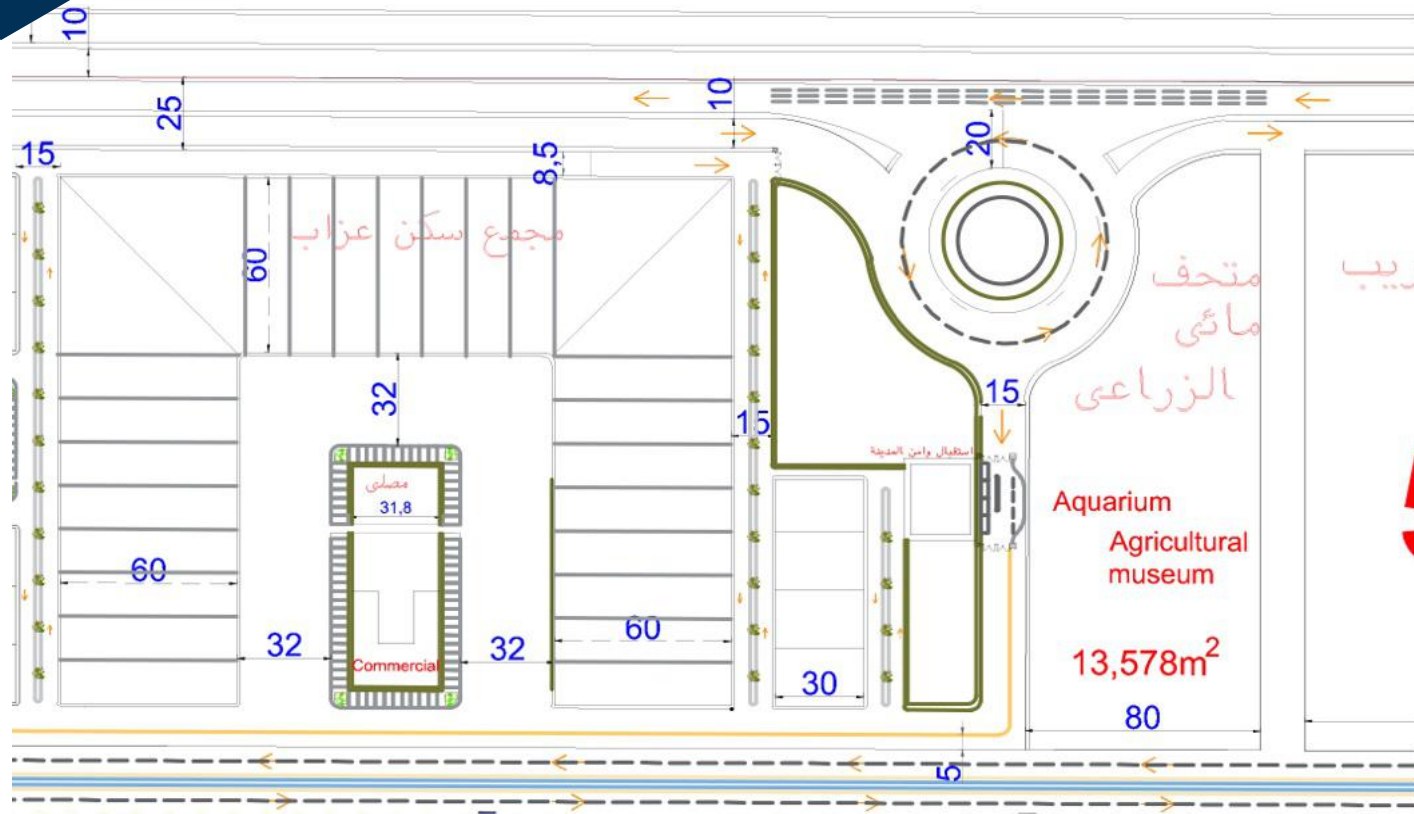




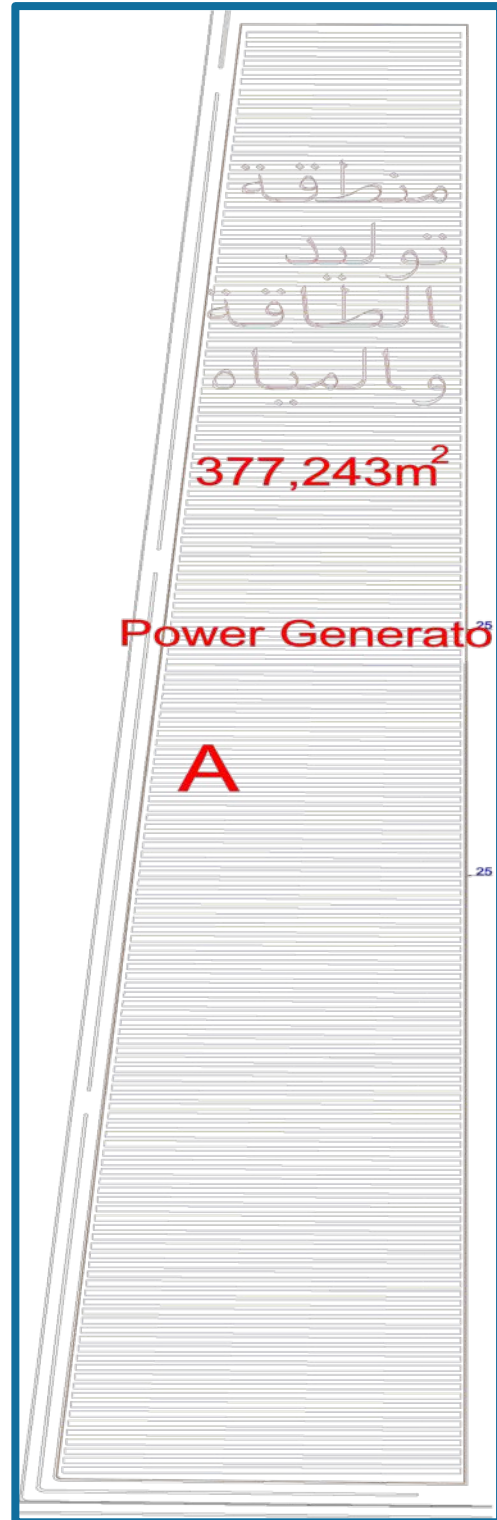
Residential Area Shot -B

More than 1700 Residential units For Bachelors

52



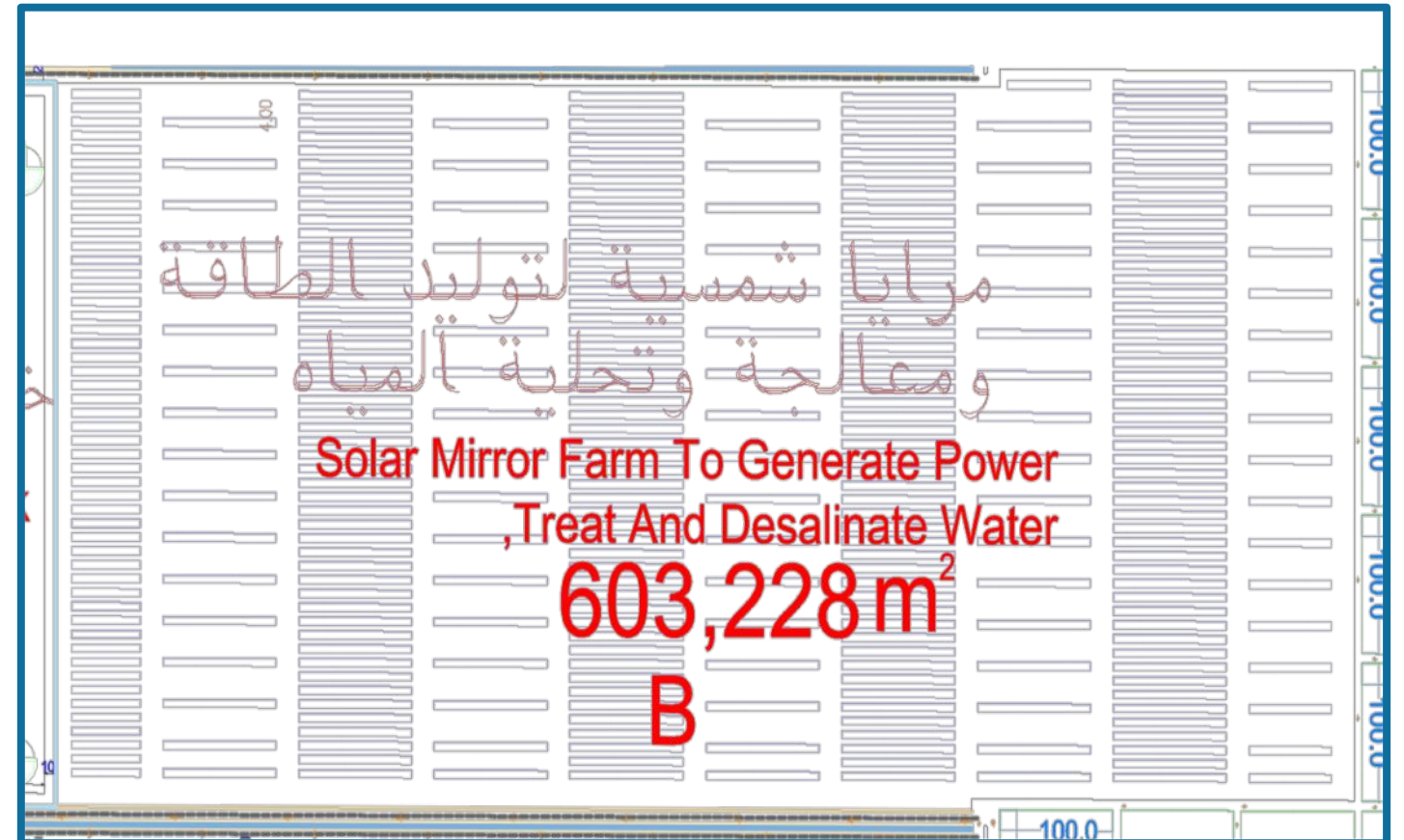
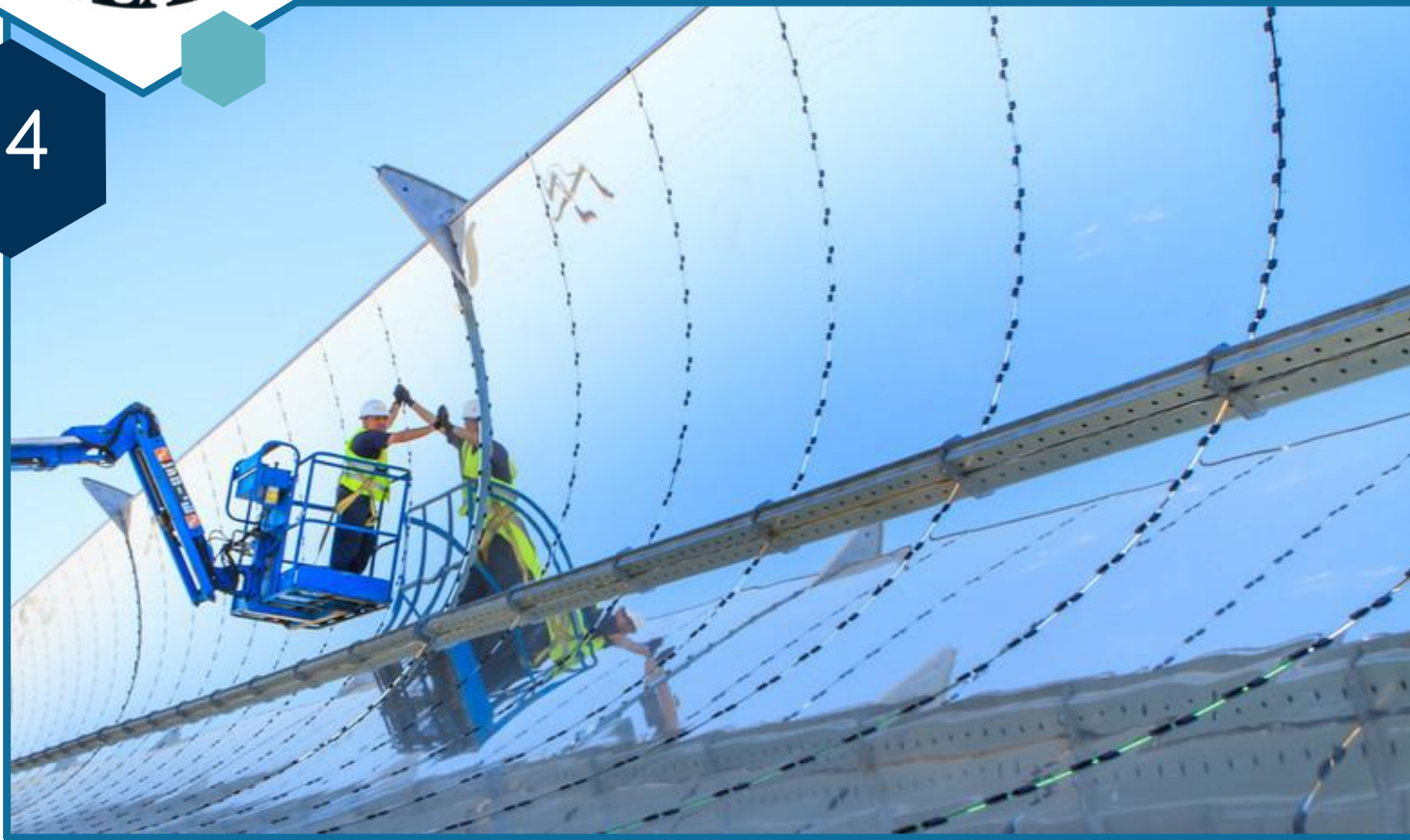
Wind Turbine (Windmill) shots





Solar Mirror and storage tanks plant for energy and water

54



QSEASV project location





QSEASV project location

56



COMPANY REGISTRATION



57

رؤية
VISION
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA



وزارة التجارة والاستثمار
Ministry of Commerce and Investment

٧٠٠١٧٧٨٠٩٦

٤٠٣١٠٥٤٤٣٦

١٤٢٩/٠٩/٠٩ هـ

الرقم:

التاريخ:

شهادة تسجيل شركة

الاسم التجاري للشركة: شركة بحر القلزم الدولية المحدودة

نوعها: ذات مسؤولية محدودة

جنسيتها: سعودي

مدة الشركة: ٢٠ سنة

تبدأ من: ١٤٢٩/٠٩/٠٩ هـ

وتنتهي في: ١٤٤٩/٠٩/٠٨ هـ

مركزها الرئيسي: مكة المكرمة/العزيفية - الشارع العام ٠ مركز الميرة التجاري

ص ب: ١٩٦٩

الرمز البريدي:

هاتف: ٥٥٨٩٩٩٩

فاكس: ٥٥٧٠٩٧٣

النشاط: اقامة و ادارة و تشغيل وصيانة و نظافة المشاريع الصناعية و الزراعية و الترفيحية و السياحية و السمكية و الدواجن و الموانئ و مراكز التدريب و محطات الوقود و توليد الطاقة و خدمات الاستيراد و لتصدير و التسويق للغير و تجارة الجملة و التجزئة في المواد الغذائية و الاعلاف و اجهزة الاتصالات السلكية و اللاسلكية و المراكب و السفن و المعدات البحرية و الثقيل.....

رأس المال: ٥٠٠٠٠٠٠ ريال سعودي

المديرون: ١ صالح بن سالم بن مسلم باهويني

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سلطات المدير/المديرون: حسب ما نص عليه عقد الشركة

يشهد مكتب السجل التجاري بمدينة: مكة المكرمة

بأنه تم تسجيل الشركة المذكورة أعلاه بمدينة: مكة المكرمة

وتنتهي صلاحية الشهادة في: ١٤٤٤/٠٩/٠٩ هـ

بتاريخ: ١٤٣٩/٠٩/١٥ هـ



بموجب الإصدار رقم
الختم

مدير السجل التجاري الشركات: عبد الحسين بن إبراهيم الحماد

التوقيع:



Qalzam company license



59

بسم الله الرحمن الرحيم
(ترخيص)
المملكة العربية السعودية
وزارة البيئة والمياه والزراعة
الإدارة العامة للثروة السمكية

رقم الترخيص: ١٤٤٣/١٠٥٤١٣٦٤٤٥٦
التاريخ: ١٤٤٣/١٠/٠٦
لمرفقات بدون

نوع المشروع: استزراع أحياء مائية في المياه البحرية بنظام الأكوابونيك
رأس المال للمشروع: (٤٠,٠٠٠,٠٠٠) ريال
اسم المالك: شركة بحر القلزم الدولية المحدودة
السجل التجاري: ٤٠٣١٠٥٤٤٣٦
نوع حيازة الأرض: عقد اجار رقم ١٤٣٩/١٠٦٢/٢٠٤٢ بتاريخ ١٤٣٩/١١/٦ هـ
إحداثيات الموقع:
E= 23.246452° N= 38.764035°
E= 23.246117° N= 38.763429°
E= 23.218822° N= 38.759451°
E= 23.225516° N= 38.771695°
E= 23.220182° N= 38.775096°
E= 23.225960° N= 38.785955°
E= 23.236451° N= 38.775274°

المنطقة: مكة المكرمة الموقع: رابع
طاقة المشروع: (٢٠٠٠٠) طن/سنة
مساحة الأرض: (١٨٠٢) دونم

وكيل الوزارة للزراعة
م. أحمد بن صالح عياده الخمسي

الختم الرسمي

ملاحظة:
• مدة الترخيص (سنة أشهر) تبدأ من تاريخ الحصول على الترخيص النهائية للبدء في المشروع من قبل الهيئة العامة للأرصاء وحماية البيئة.
• على المستثمر مراجعة الإدارة العامة للثروة السمكية بالتنسيق مع الهيئة العامة للأرصاء وحماية البيئة لتسهيل وتسريع استخراج التراخيص البيئية النهائية لسرعة البدء في تنفيذ المشروع.
شروط سريان هذا الترخيص:
١. أن يلتزم صاحب المشروع بتنفيذه وتشغيله وفقاً للدراسة الفنية والاقتصادية المعدة لذلك.
٢. لا يجوز لصاحب المشروع بيعه أو التنازل عنه أو إدخال شركاء معه إلا بعد الحصول على موافقة الوزارة خطياً.
٣. تزويد المختصين بالوزارة بصورة دورية (كل ثلاثة أشهر) بالبيانات والمعلومات عن سير العمل بالمشروع.
٤. التقيد بأحكام نظام الصيد واستثمار الثروات المائية الحية الصادر بالمرسوم الملكي رقم ١٤٠٨/٣٧/٢٧ هـ والنواحي والأنظمة والتوجيهات التي تصدرها هذه الوزارة والجهات ذات العلاقة.

بسم الله الرحمن الرحيم
(ترخيص)
المملكة العربية السعودية
وزارة البيئة والمياه والزراعة
الإدارة العامة للثروة السمكية

رقم الترخيص: ١٤٤٣/١٠٥٤١٣٦٤٤٥٦
التاريخ: ١٤٤٣/١٠/٠٦
لمرفقات بدون

نوع المشروع: تربية أحياء مائية في المياه البحرية (طحلب بحرية) بالأنظمة المغلقة
رأس المال للمشروع: (٥٠,٠٠٠,٠٠٠) ريال
اسم المالك: شركة بحر القلزم الدولية المحدودة
السجل التجاري: ٤٠٣١٠٥٤٤٣٦
نوع حيازة الأرض: عقد اجار رقم ١٤٣٩/١٠٦٢/٢٠٤٢ بتاريخ ١٤٣٩/١١/٦ هـ
إحداثيات الموقع:
E=23.218804° N=38.759412°
E=23.208358° N=38.740295°
E= 23.203087° N=38.742993°
E= 23.213606° N= 38.762734°

المنطقة: مكة المكرمة الموقع: رابع
طاقة المشروع: (٤٠٠٠) طن / سنة
مساحة الأرض: (١٠٠٠) دونم

وكيل الوزارة للزراعة
م. أحمد بن صالح عياده الخمسي

الختم الرسمي

ملاحظة:
• مدة الترخيص (سنة أشهر) تبدأ من تاريخ الحصول على الترخيص النهائية للبدء في المشروع من قبل الهيئة العامة للأرصاء وحماية البيئة.
• على المستثمر مراجعة الإدارة العامة للثروة السمكية بالتنسيق مع الهيئة العامة للأرصاء وحماية البيئة لتسهيل وتسريع استخراج التراخيص البيئية النهائية لسرعة البدء في تنفيذ المشروع.
شروط سريان هذا الترخيص:
١. أن يلتزم صاحب المشروع بتنفيذه وتشغيله وفقاً للدراسة الفنية والاقتصادية المعدة لذلك.
٢. لا يجوز لصاحب المشروع بيعه أو التنازل عنه أو إدخال شركاء معه إلا بعد الحصول على موافقة الوزارة خطياً.
٣. تزويد المختصين بالوزارة بصورة دورية (كل ثلاثة أشهر) بالبيانات والمعلومات عن سير العمل بالمشروع.
٤. التقيد بأحكام نظام الصيد واستثمار الثروات المائية الحية الصادر بالمرسوم الملكي رقم ١٤٠٨/٣٧/٢٧ هـ والنواحي والأنظمة والتوجيهات التي تصدرها هذه الوزارة والجهات ذات العلاقة.



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