



Dar Agua



Dar Aqua Project

مشروع دار اكوا

GREENHOUSE

AREA PRODUCTION

PHASE 1

40,000 SQ. MT

8,000 SQ. MT



27,000

135,000



95,000

475,000

RAISES YIELDS UP TO

200%

CLOSED LOOP
REGENERATIVE
SYSTEM



USES UP TO

LESS WATER

95%

FISHHOUSE

AREA PRODUCTION

3360 SQ. MT



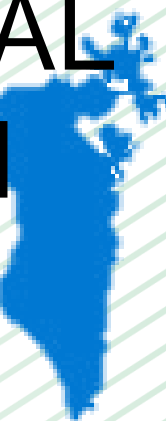
PHASE 1

70,560 kg

PHASE 5

353,500 kg

FIRST COMMERCIAL
RAS IN BAHRAIN



99.9%

RECIRCULATION
WATER

170,000

LITER OF WATER

Chances

Contribution in local market
and participating in increasing
food security.



Chances

Utilization of new technologies in agriculture & aquaculture.



Chances

Dependency in technology and not relying on traditional farming methods.



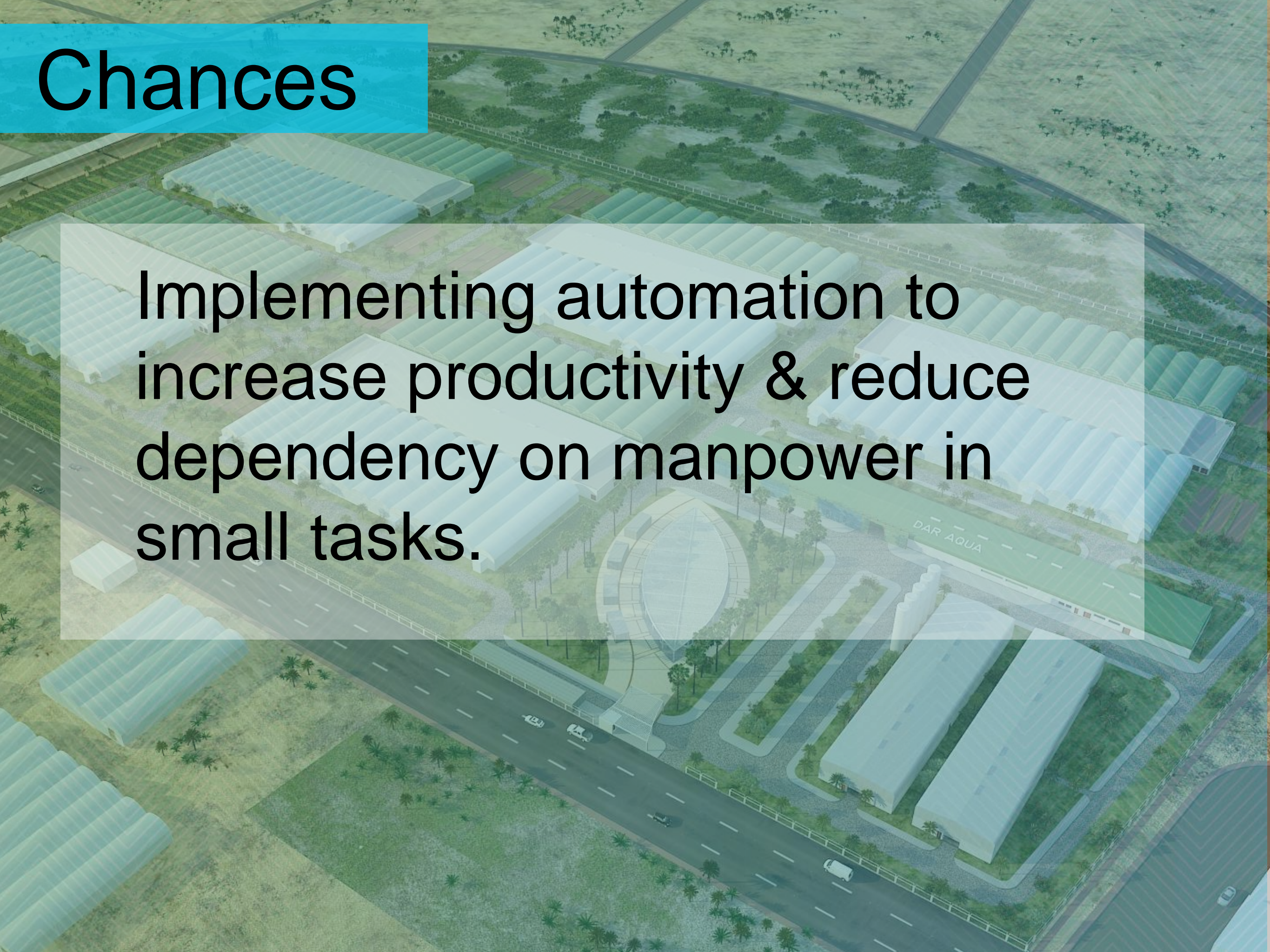
Chances

Less water consumptions supports saving water consumption comparing to traditional farming.



Chances

Implementing automation to increase productivity & reduce dependency on manpower in small tasks.



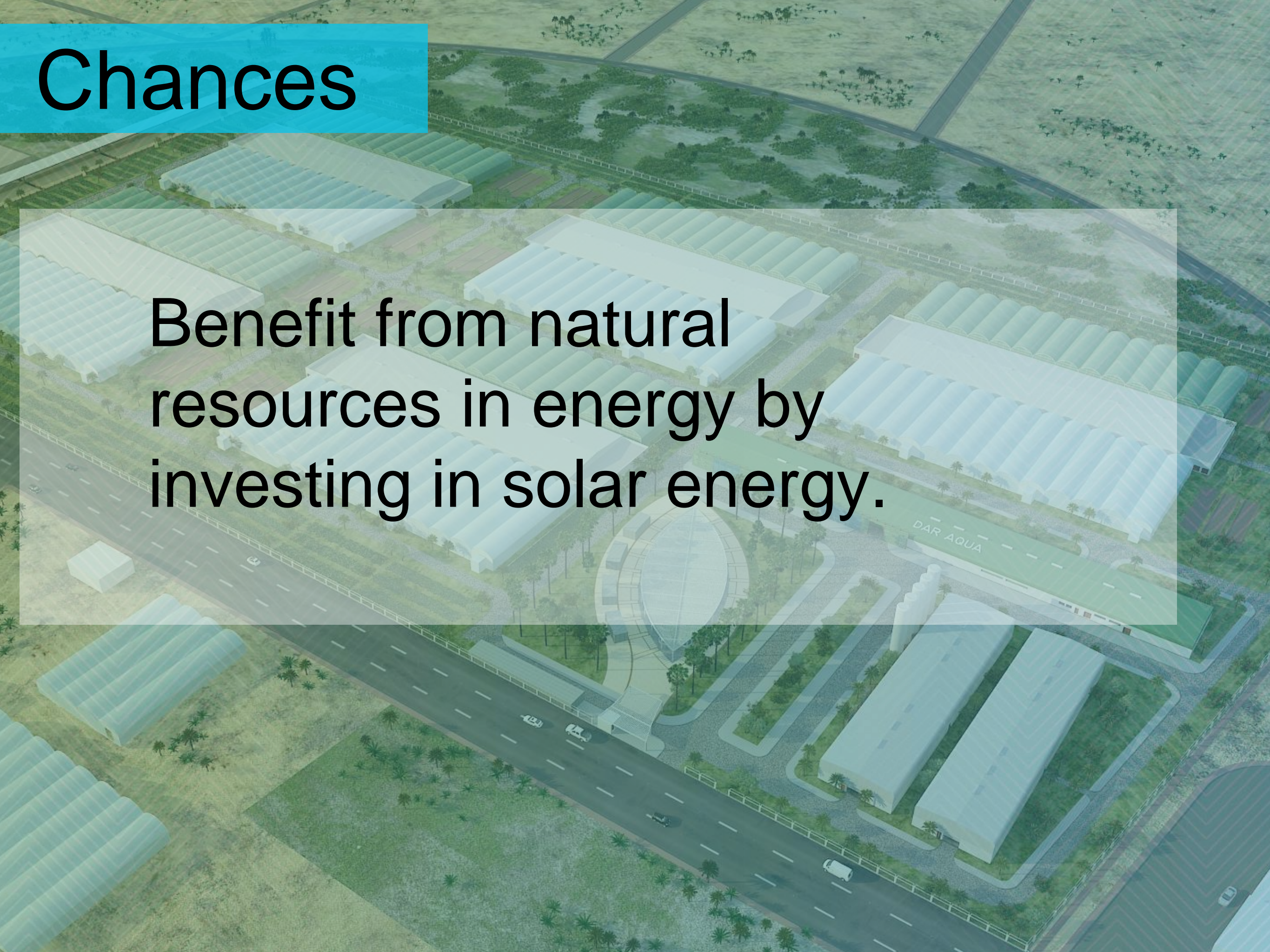
Chances

Satisfying local market needs and opening new horizons to support and increase Bahrain's exports to the region.



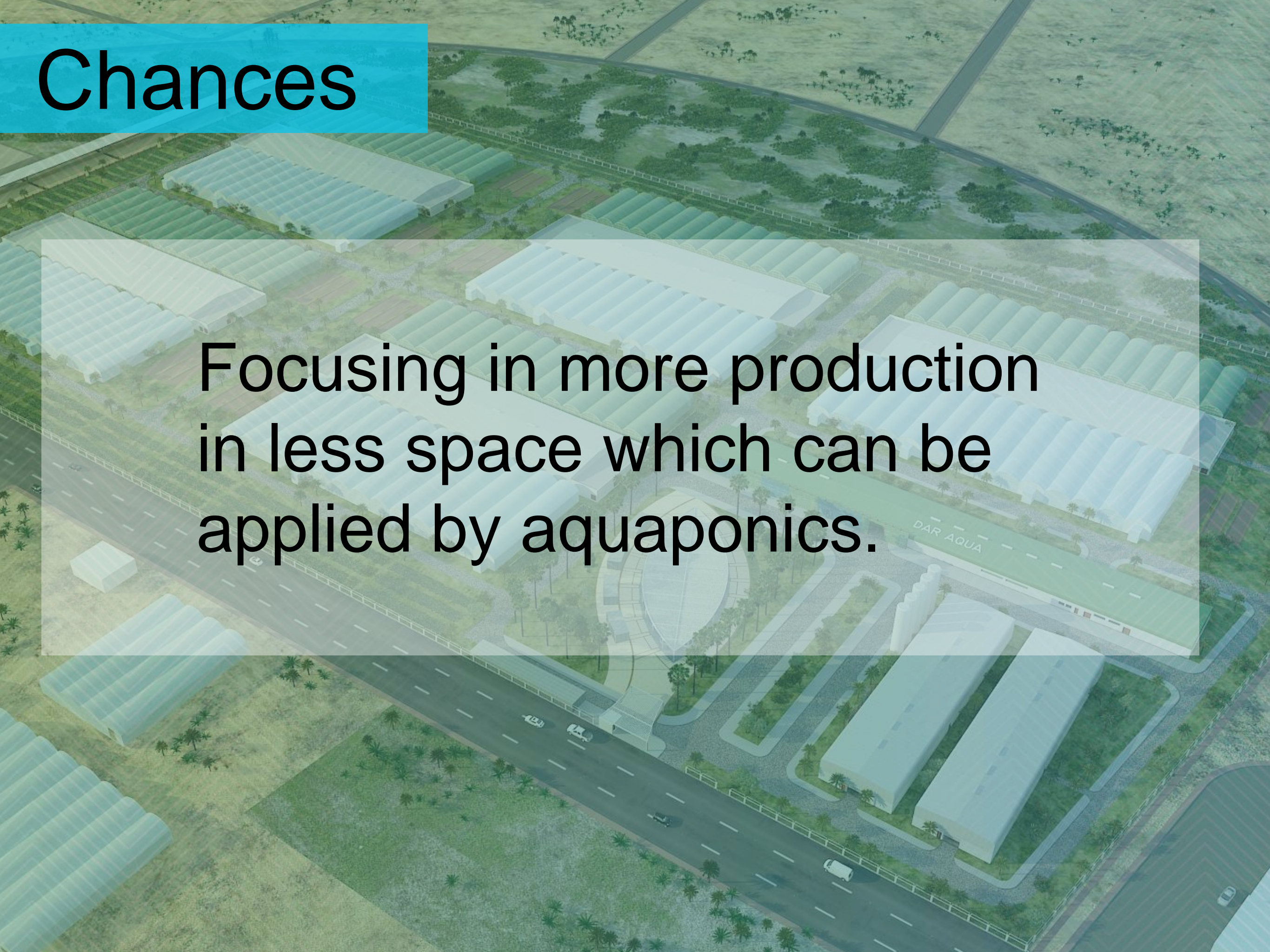
Chances

Benefit from natural resources in energy by investing in solar energy.



Chances

Focusing in more production in less space which can be applied by aquaponics.



Chances

An aerial photograph of a large-scale agricultural or research facility. The facility is composed of numerous long, rectangular greenhouses with translucent roofs, arranged in rows. In the center of the complex is a prominent circular building with a glass facade. A multi-lane road runs horizontally across the lower portion of the image, with several vehicles visible. The surrounding landscape includes patches of greenery and palm trees. A semi-transparent white box containing text is overlaid on the center of the image.

Creating job opportunities (agriculture lab specialist, irrigation engineer, plant protection specialist, agronomist, soil specialist).

Chances

An aerial photograph of a large-scale aquaculture facility. The facility consists of numerous long, rectangular greenhouses with translucent roofs, arranged in rows. A central circular structure, possibly a pond or a specialized greenhouse, is visible. The facility is surrounded by roads, parking areas, and some vegetation. The overall scene depicts a modern, organized agricultural operation.

Covering the high demand on fish, by investing in aquaculture.

Challenges

Lack of specialized manpower in agriculture and aquaculture.



Challenges

Environment and climate change.



Challenges

Limitation in agriculture land.



Challenges

Insufficient ground water.



Challenges

Dependency on imports,
no regulations to support
local products against
imported products.



Challenges

Lack of cooperation and coordination between farmers, and non-existence of agriculture and aquaculture union or association to maintain prices.







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