

# Maldives Matter Project

## WORLD'S FIRST SELF-SUFFICIENT GREENHOUSE PROJECT IN A TROPICAL LOWLAND CLIMATE

The Dutch horticulture sector is a frontrunner concerning technology and knowledge. This orchestrates the perfect solution: a greenhouse, where the environment can be controlled, and thus desired crops can grow. So even on the Maldives, where the climate is unsuitable and fertile soil is scarce, fresh crops can be produced locally.

### LOCAL FOOD PRODUCTION

Instead of exporting food, let's export technology! Local production has many benefits when it comes to resiliency. Keep on reading if you want to know what the gains are.

#### SHORTER SUPPLY CHAIN

Transportation emissions and packaging waste will be reduced substantially while tackling the problems of deteriorated crop-quality and consistency.

### COMMUNITY

#### RAISING INDEPENDENCE BY KNOWLEDGE TRANSFER AND CREATING EMPLOYMENT OPPORTUNITIES

The greenhouse does not compete with local farmers, but instead Resilient Island desires to help them broaden their knowledge by setting up an education program together with the Maldivian Ministry of Fisheries, Marine Resources and Agriculture and the local NGO Live & Learn. An independent community is what we perceive as resilient.

To make the greenhouse work self-sufficiently existing techniques are applied to generate sustainable electricity and water. However, the combination of these techniques in a remoted area makes the greenhouse project a first of its kind. When the greenhouse works fully self-sufficient, it will contribute highly on the resiliency of this project.



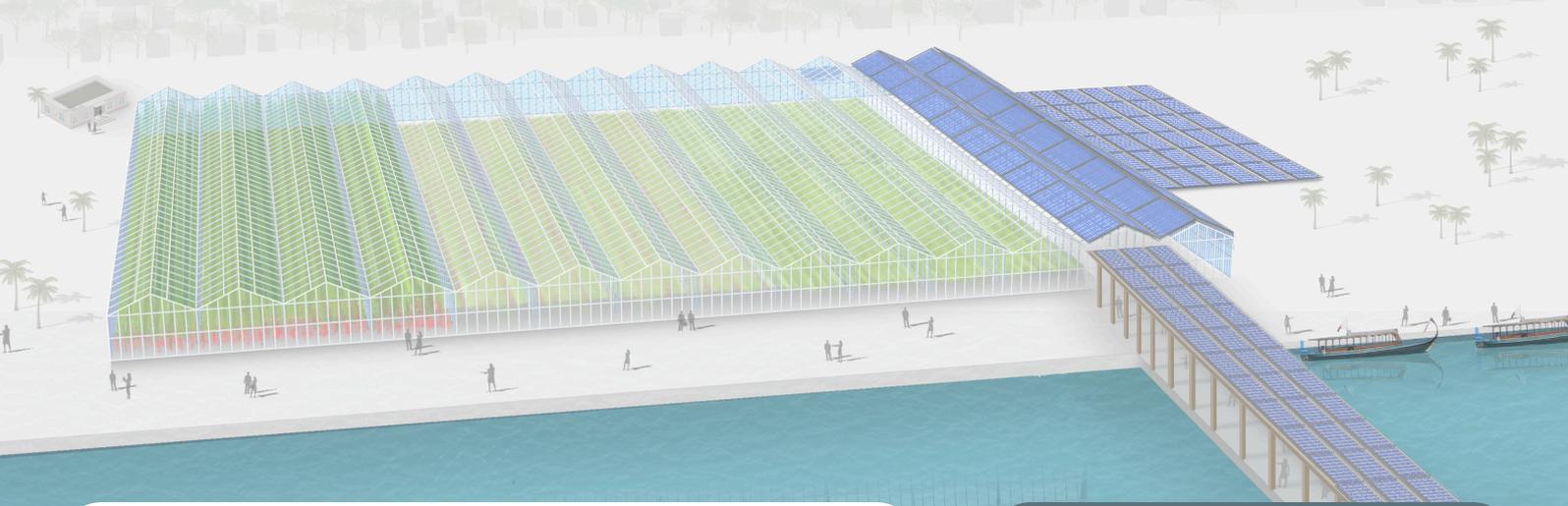
A containerized desalination plant has the potential to produce up to **100 m<sup>3</sup> fresh water per day** of which 82 m<sup>3</sup> is currently needed.



The energy needed for the greenhouse will be generated with **5500 m<sup>2</sup> solar panels** that will produce 3000 kWh per day.



A **pad-fan system** cools the greenhouse through sea water that gets pumped through a 'pad' and a fan that blows out the evaporative cooler air.



### GREENHOUSE OUTPUT



#### TOMATOES

several types  
140.000 kg/year.



#### LETTUCE

salatrio / lollo bianco  
400.000 kg/year.



The Maldives Matter Project will create sustainable and local food production methods tailored to the Maldivian tourism industry. This results in a reduced need for the import of these food products, thereby also reducing the strain on the fragile Maldivian environment.

# Maldives Matter Project

## GROWING A FRUITFUL FUTURE

ARE YOU INTERESTED IN THIS PROJECT? PLEASE FEEL FREE TO CONTACT [SEBASTIAAN.BROUWER@RESILIENTISLAND.COM](mailto:SEBASTIAAN.BROUWER@RESILIENTISLAND.COM) FOR OUR DETAILED INVESTMENT PROPOSAL

We believe that the Small Island Developing States should be fully self-sufficient, this way they are able to grow towards their own clean, fruitful and resilient future. The Maldives Matter Project is the only self-sufficient food production facility that produces crops of high quality and consistency, which currently cannot be grown locally in the isolated areas. » for our official partners see bottom of page

### TEAM



MALDIVIAN PARTIES



TECHNICAL PARTNERS



CHAIRMAN



LEGAL AND FINANCE



DESIGN AND MARKETING

### PROBLEM

95% of food is imported, which results in :

IMPORT DEPENDENCY

HIGH CO<sub>2</sub> EMISSION

LOSS OF FOOD QUALITY AND SPOilage



### UNIQUE SELLING POINTS

World's **first self-sufficient greenhouse** project in a tropical lowland climate.

**540.000 kilograms/year** fresh Maldivian vegetables and fruits suited for the tourism industry.

**Fresh:** delivered in two days from farm to fork.

**Consistent:** all year-round production

**High quality:** vital nutrients and aim for zero pesticides

The introduction of **agri- and horticulture education** in the Maldives, giving the local community new employment and education opportunities

A **shorter supply chain:** less waste, 90% shorter travel distances resulting in a great reduction of CO<sub>2</sub> emissions.

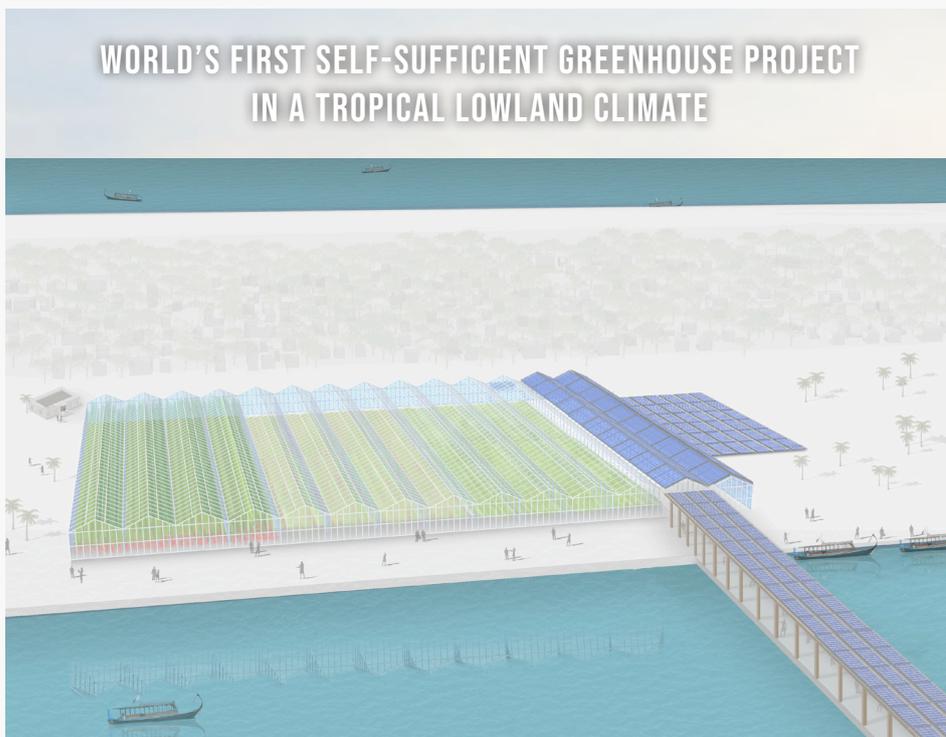
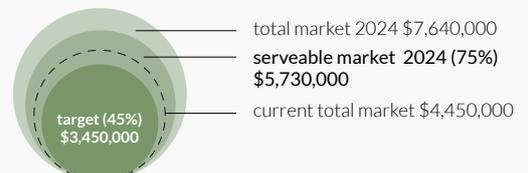
For more information see our next page.

### MARKET OPPORTUNITIES

#### TOMATO



#### LETTUCE



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### ROADMAP



### TOGETHER

We create jobs for the Maldivians, share knowledge on global scale, fight against climate change by reducing the ecological footprint and stimulate the growth of the local economy and innovative capacity.