



# TRANSFORMATION

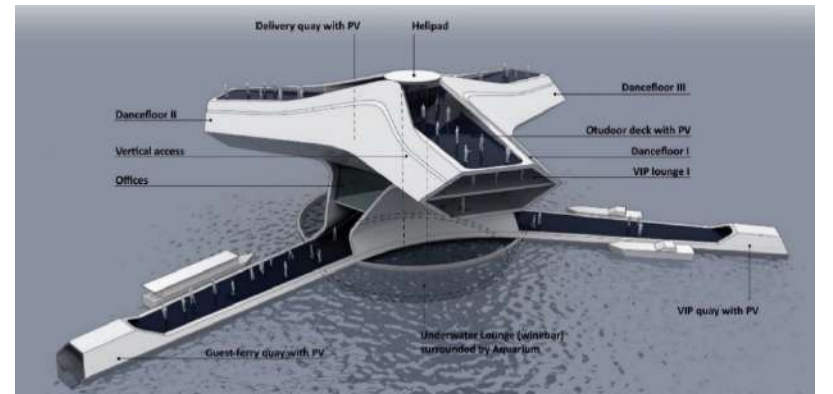
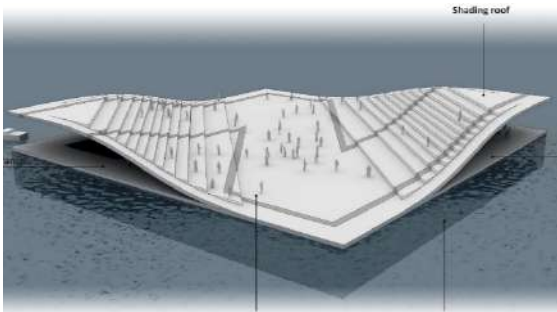
[ITALY, OCTOBER 29, 2018]

MINKE VAN WINGERDEN  
MINKE @ BELADON.COM



# Oceans of Opportunities

**MINKE VAN WINGERDEN**  
BELADON, PARTNER



# LAND CHALLENGES



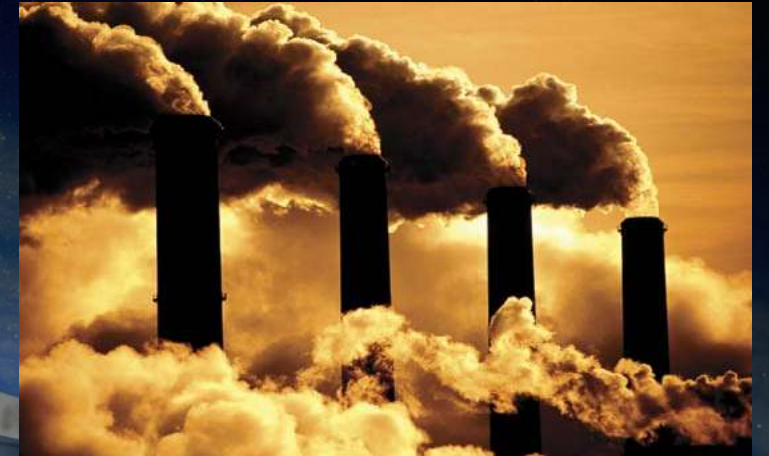
# NO LAND SPACE | URBANISATION | ENVIRONMENT



200.000 PER DAY, 70 MILLION / YEAR



LOGISTICS



CO2 LEVELS, TEMPERATURE RISE,



WASTE



SEALEVEL, FLOODINGS



# JAKARTA / INDONESIA





**“Sea level” August 14 and October 18, 2013**

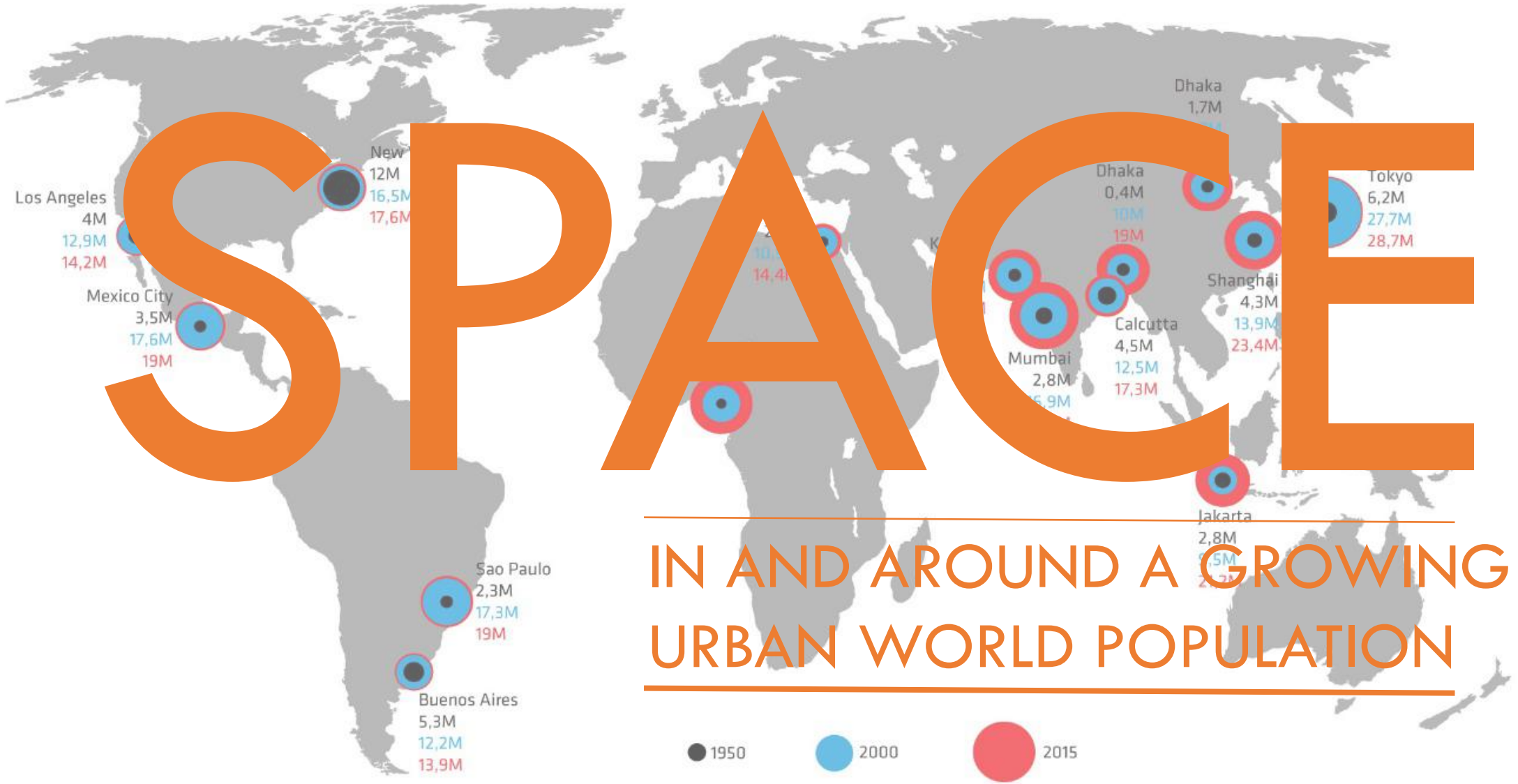
**Large flood of 2007**

# Main cause: subsidence



**Land subsidence: mainly due to groundwater extractions**





# LIVE ESSENTIALS



**ADAPTIVE URBAN DESIGN  
IN OCEANS OF POSSIBILITIES**



**FLOATING  
FARM**

MINKE VAN WINGERDEN  
MINKE@BELADON.COM



A wide-angle photograph of an industrial port at dusk. In the foreground, a large green lawn is partially covered by a white event tent with several arched windows. Behind the tent, a body of water reflects the lights of a large cargo ship and several cranes. The sky is filled with soft, grey clouds, and the sun is setting on the horizon, creating a warm glow. The overall scene suggests a juxtaposition of traditional agriculture and modern industrial food systems.

# Floating Farm

## Future Food Systems



**October 2012**

**Hurricane Sandy  
hits New York City**

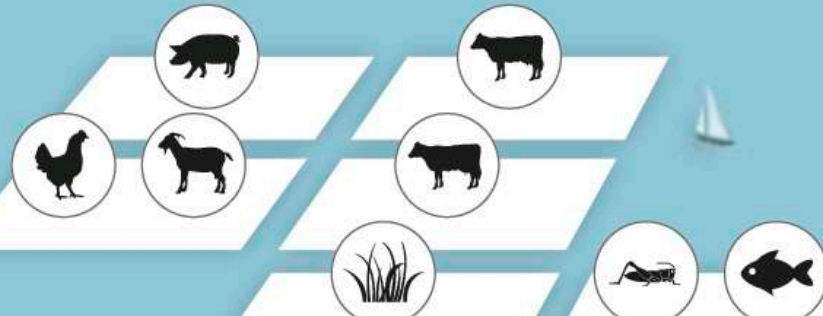
# FEEDING THE CITY

HUNTSPOINT



# TRANS FARMATION !

HEALTHY  
TRANSPARENT  
EDUCATIONAL  
NO LOGISTICS  
CIRCULAR



A black and white photograph of three men standing in a harbor. The man on the left is smiling and wearing a dark jacket over a light-colored button-down shirt. The man in the middle is also smiling, wearing a dark sweater over a collared shirt, with his arms crossed. The man on the right is smiling, wearing a dark jacket over a dark button-down shirt. In the background, there is a body of water, a building with a 'MAERSK' sign, and several cranes. The sky is overcast.

Carel de Vries,  
Courage

Johan Bosman,  
Uit Je Eigen Stad

Peter van Wingerden,  
Beladon

BIOMASS

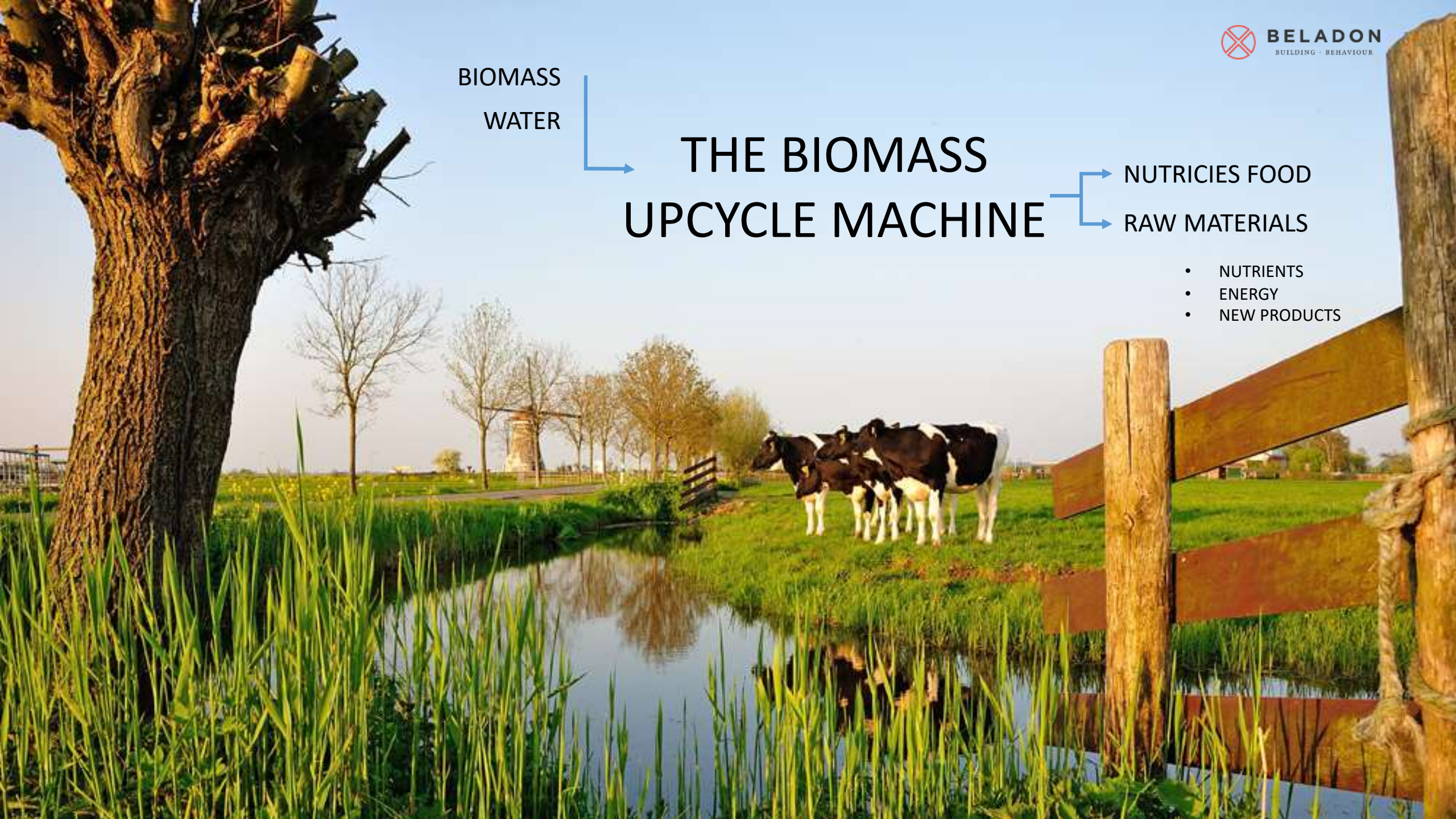
WATER

# THE BIOMASS UPCYCLE MACHINE

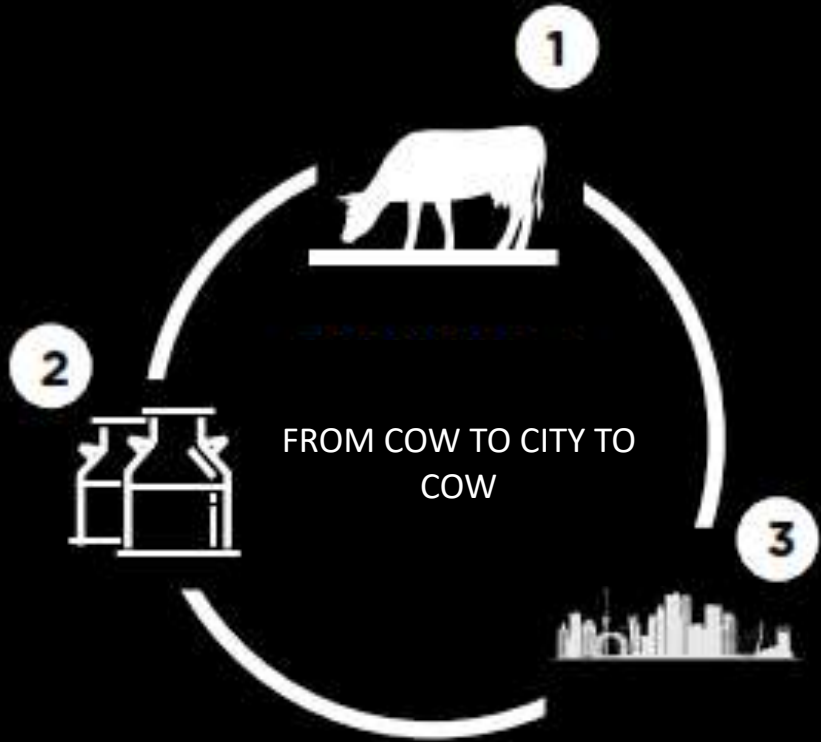
NUTRICIES FOOD

RAW MATERIALS

- NUTRIENTS
- ENERGY
- NEW PRODUCTS







FROM COW TO CITY TO COW

FLOATING FARM



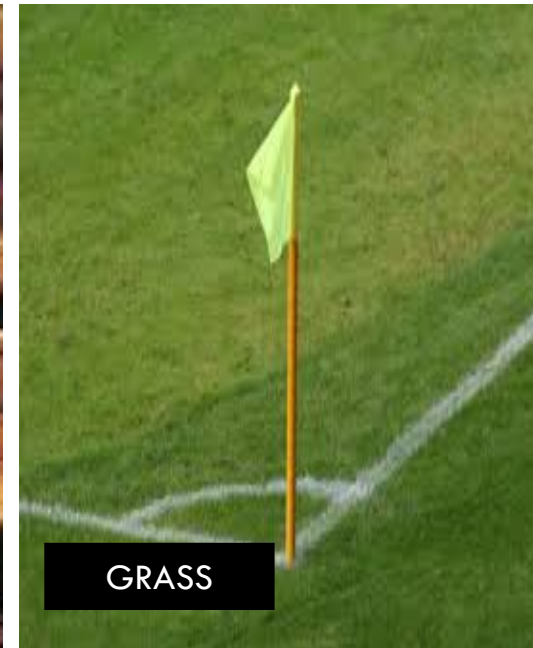
BEER BROTH



BRAN

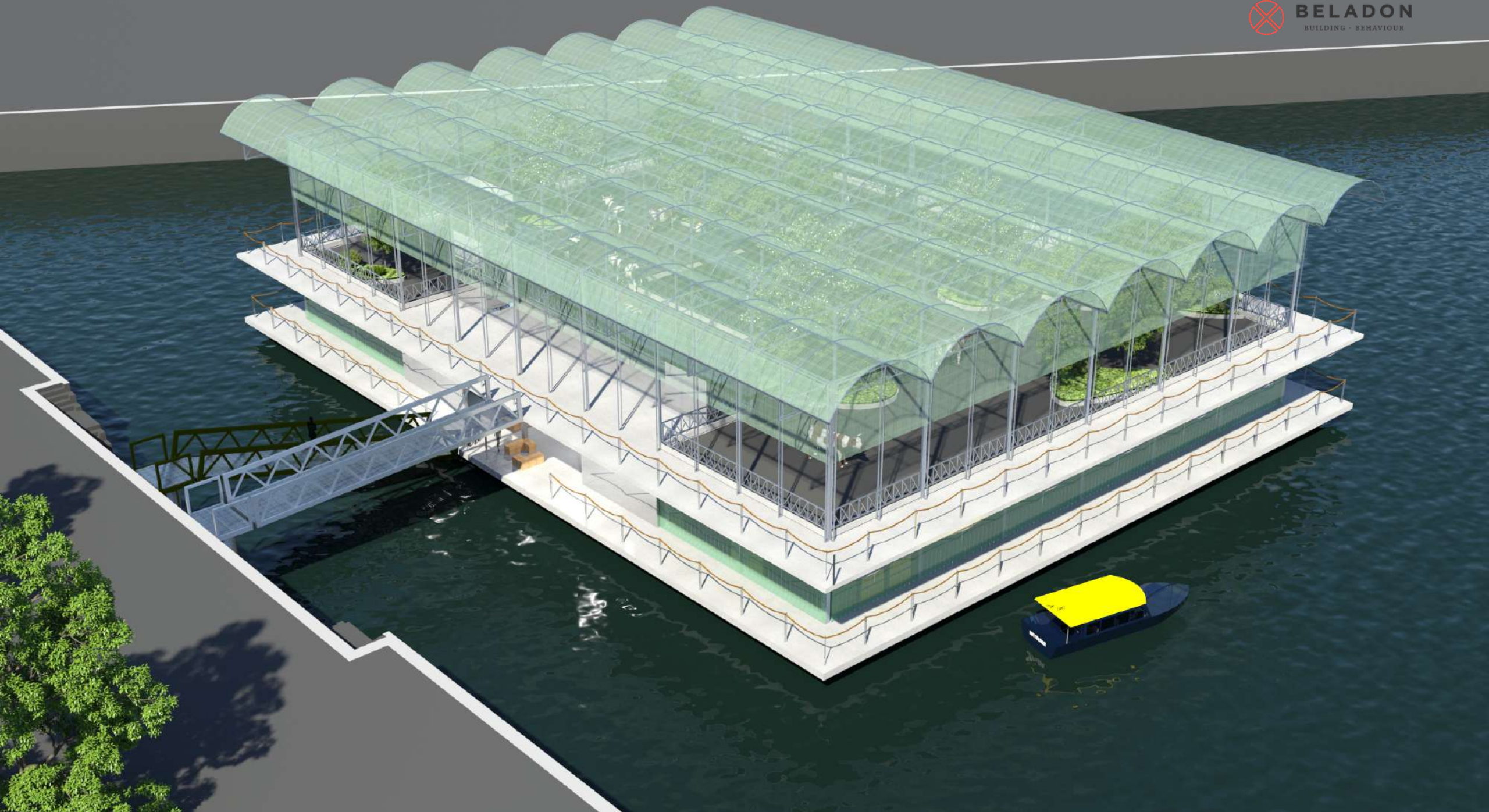


POTATO PEEL



GRASS







INNOVATION LAB



EDUCATION



ICONIC



TRANSPARENT



SCALABLE



CIRCULAR













THE DISCOVERY OF

URBAN  
TRANSFORMATION



# FLOATING FARM CHICKEN





# FLOATING FARM VEGETABLES



# LIVEABLE CITIES

## CIRCULAR FOODSTRIP



Thank you!  
[minke@beladon.com](mailto:minke@beladon.com)