



Leading the  
slaughter-free  
meat revolution  
**for a healthier  
world & beyond**

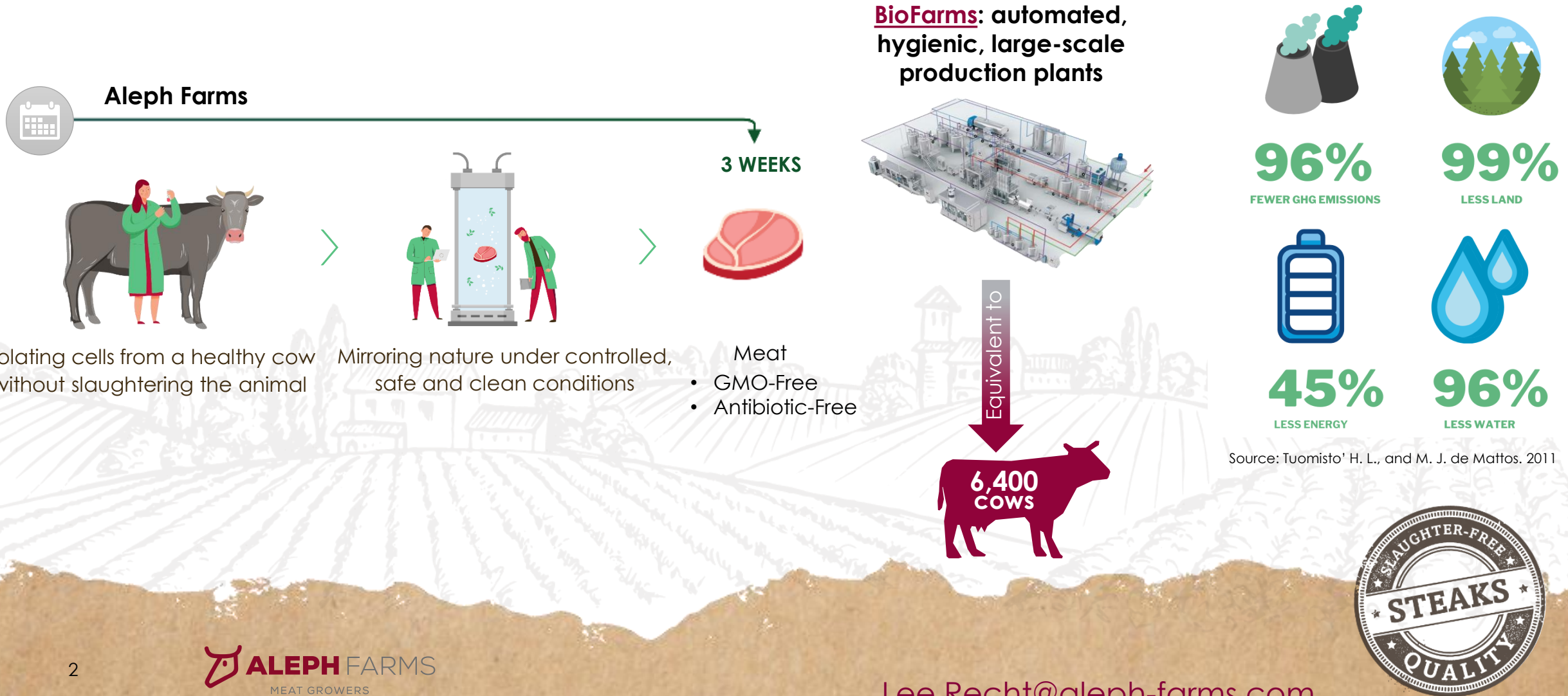
Lee Recht, PhD  
Sep. 2020



**The world's first beef steak cultivated outside of an animal's body**  
Aleph Farms/December 2018



# Establishing a carbon-neutral supply chain and cultivated meat production process in closed-loop

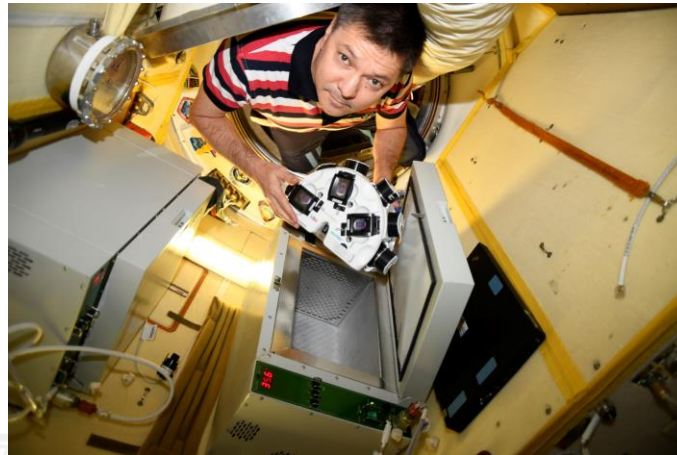


# The world's first experiment: producing meat on the International Space Station in closed-loop Sep. 2019

Access to healthy nutrition to **ANYONE, ANYTIME and ANYWHERE**

## Development of closed-loop food systems:

- ✓ Zero contaminants
- ✓ Circular approach
- ✓ Nutritious and Delicious



Cosmonaut Oleg Kononenko with the Organaut  
Producing meat 339km above any  
natural resource

Experiment led  
by **3dbio**

