

VERTICAL FARMING

Feeding the World in the 21st Century



Association for
Vertical Farming

Stephane Razzon
AVFpress & Communications
Association for Vertical Farming

Why Change in Our Current Food System is Necessary?



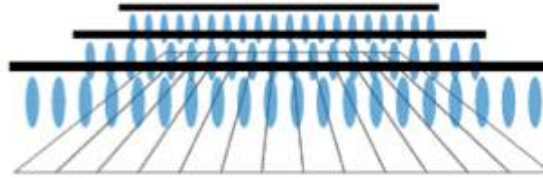
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#1 Pesticide use



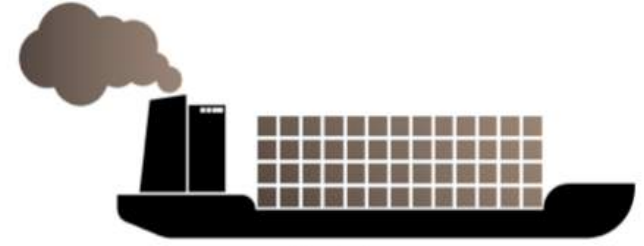
leading to:
Agricultural runoff
Ocean Acidification

#2 Fresh water use



80 % of all freshwater
is used in agriculture

#3 Food transport



leads to:
Significant food waste
Greenhouse gas emissions

#4 Rapid urbanization

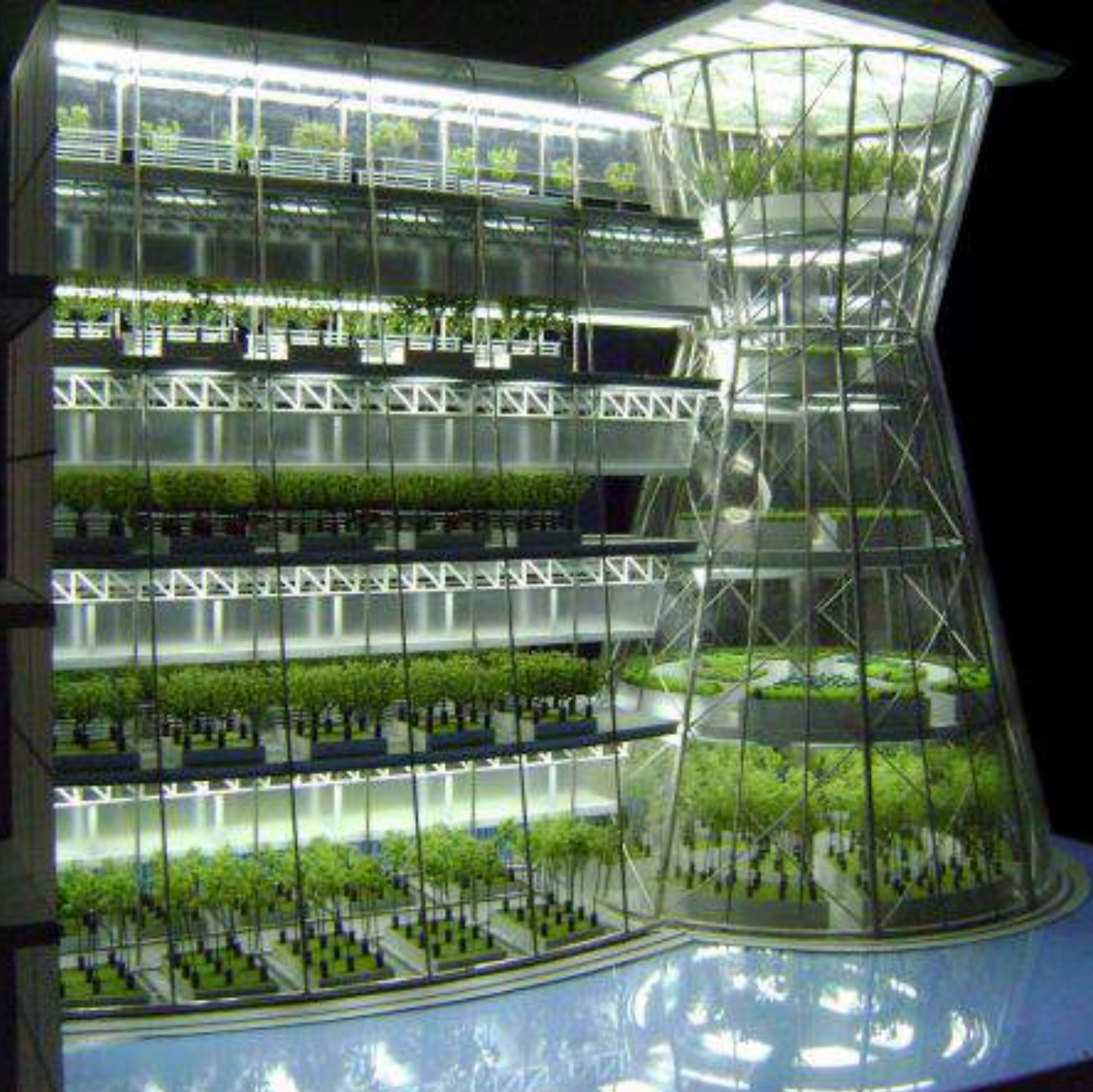


Expected 10 billion people globally by 2050
80% urban population by 2050
Increasing demand for food in cities



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What Practical Solutions Can We Use to Address these Challenges?



NFT – Nutrient Film Technique



tokobagus.com 



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DWC - Deep Water Culture

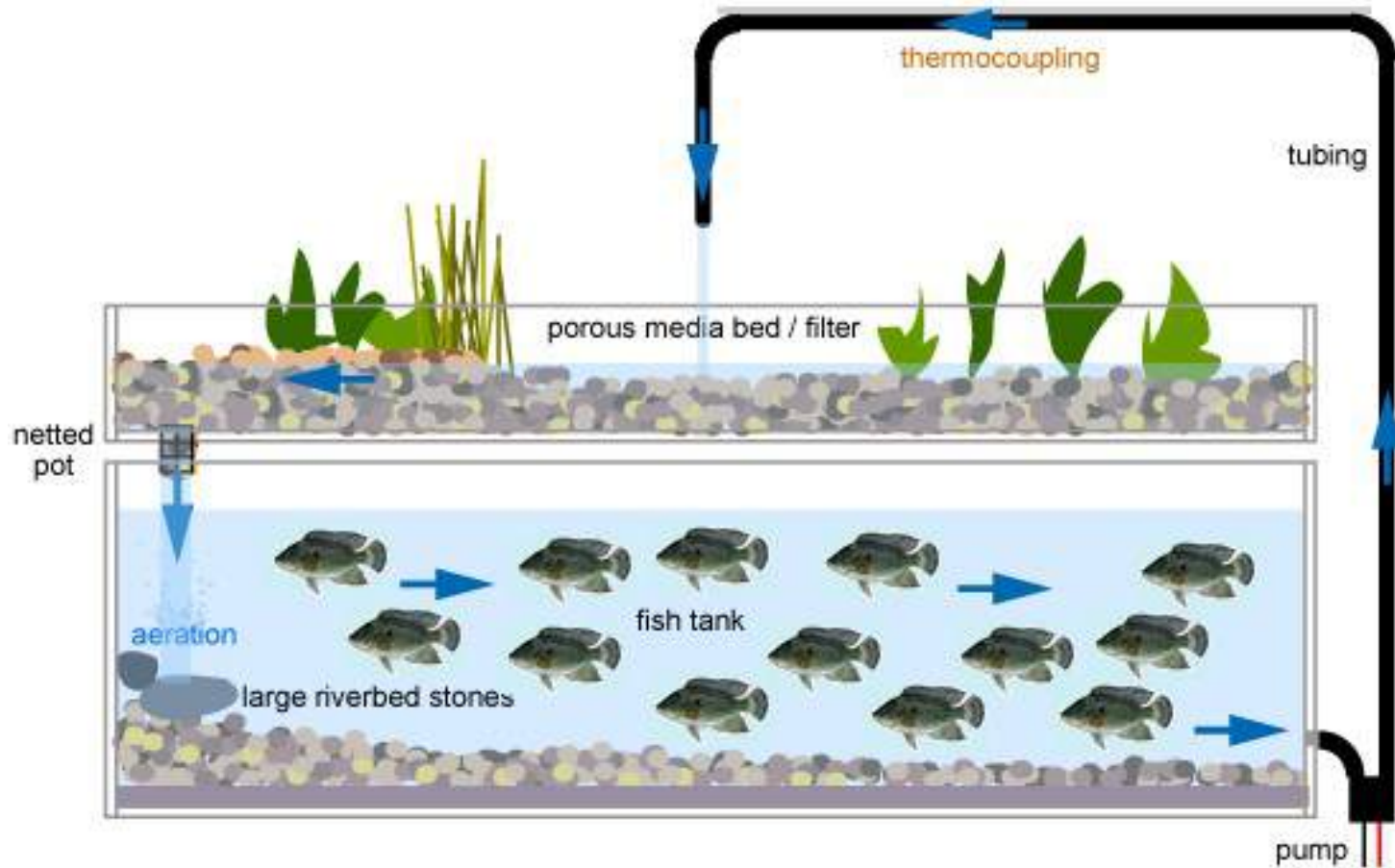


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Aeroponics



Aquaponics



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- 98% Less Water
- 50% Less fertilizers
- Higher Yield
- Less Land Use
- Less Carbon Emissions
- Not dependent on:
 - Climate
 - Weather
 - Region
- Zero Pesticides
- Zero Herbicides
- No Runoff
- Less Food Waste



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So What's Going On in the Industry?

AVF Vision

Leading the Vertical Farming movement to facilitate healthy food, green jobs, environmental protection and climate change resilience – globally.

AVF Mission

Foster the sustainable growth and development of the Vertical Farming movement through education and collaboration.



Vertical Farming Activity



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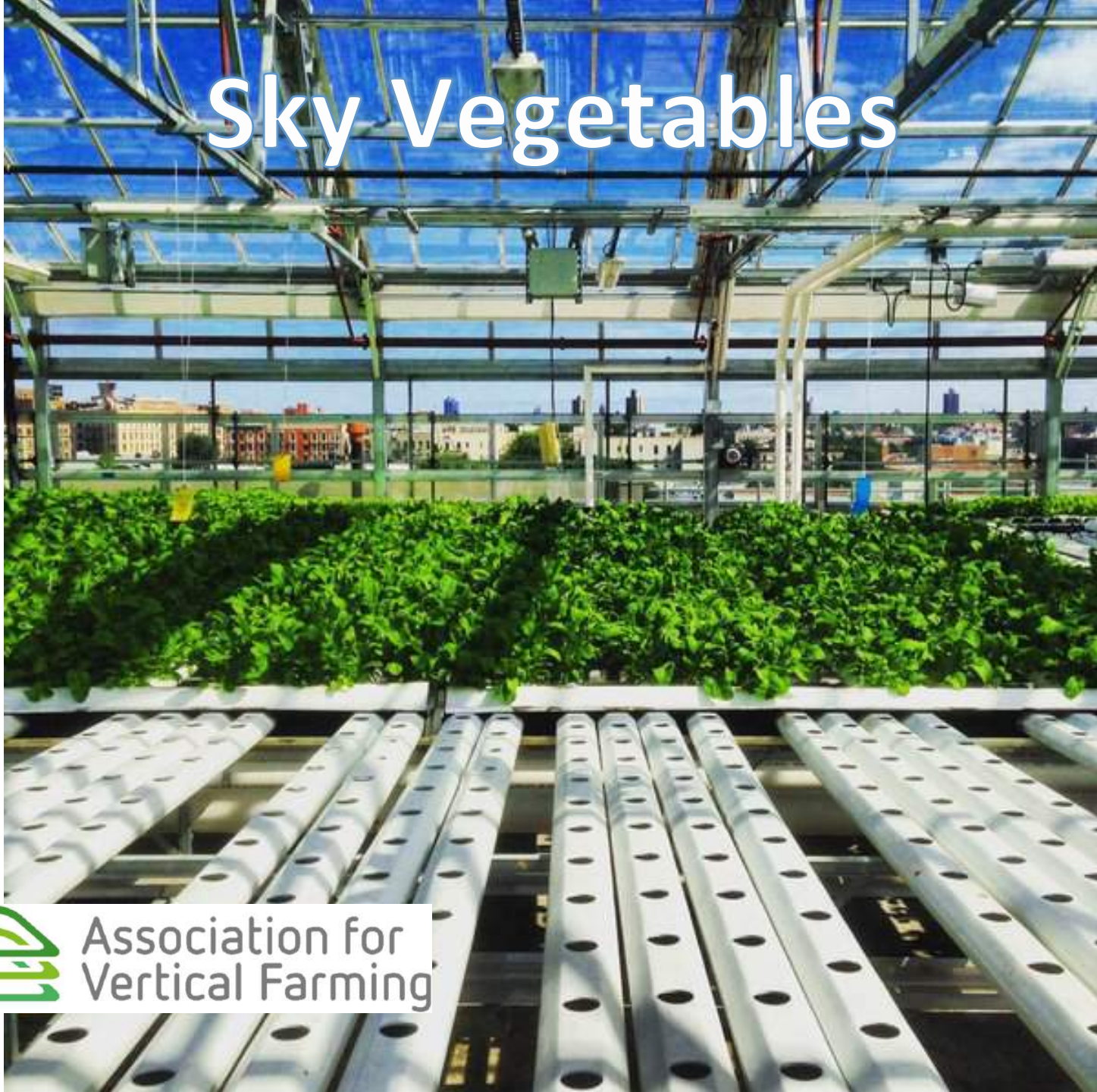
Aerofarms



AeroFarms®

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Sky Vegetables



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Infarm



Vertical Harvest



Vertical Field

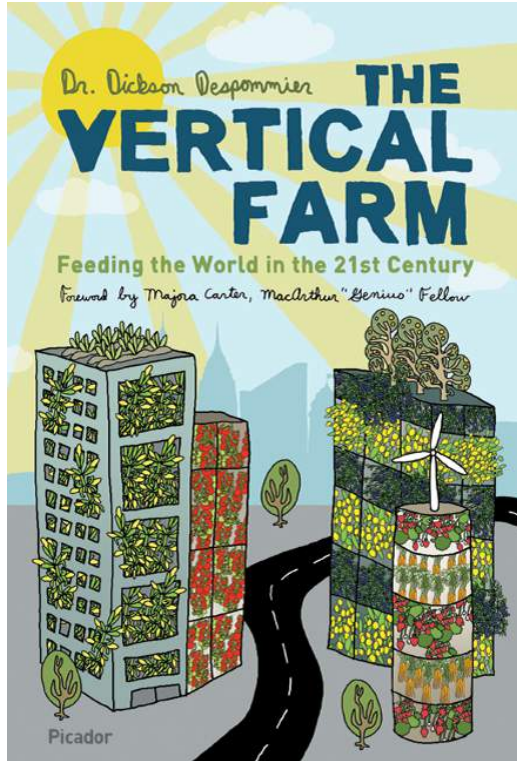




What We Offer?

- News on Vertical Farming industry & initiatives
- Vertical Farming resources & tools
- Design competitions & workshops
- Annual AVF Summit
- Exchange of research, knowledge, technology
- Identify synergies and potential partnerships to shape a new industry
- Monthly newsletters

Want to Learn More?



vertical-farming.net

agritechture.com

Agile: iatic.biz

Email Us:

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THANK
YOU