



URBAN CROP
SOLUTIONS

Vertical Farming - Opportunities for existing and new growers

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Knowledge is key, we support our customer from feasibility onwards



Pre-sales

- Feasibility study
- Biological trials



Engineering, Procurement & Construction

Of patented turnkey vertical farming installations



After sales

- Training
- Biological consultancy
- Maintenance contracts
- Spare parts
- Consumables
- Plant growth licences
- Data collection



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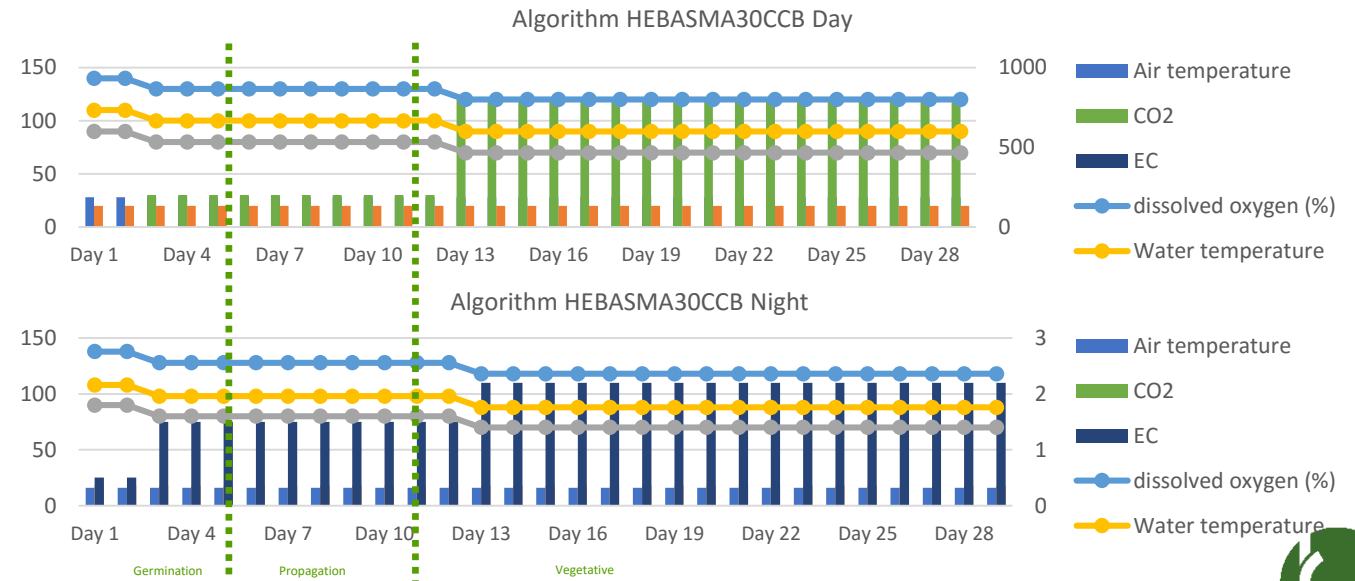
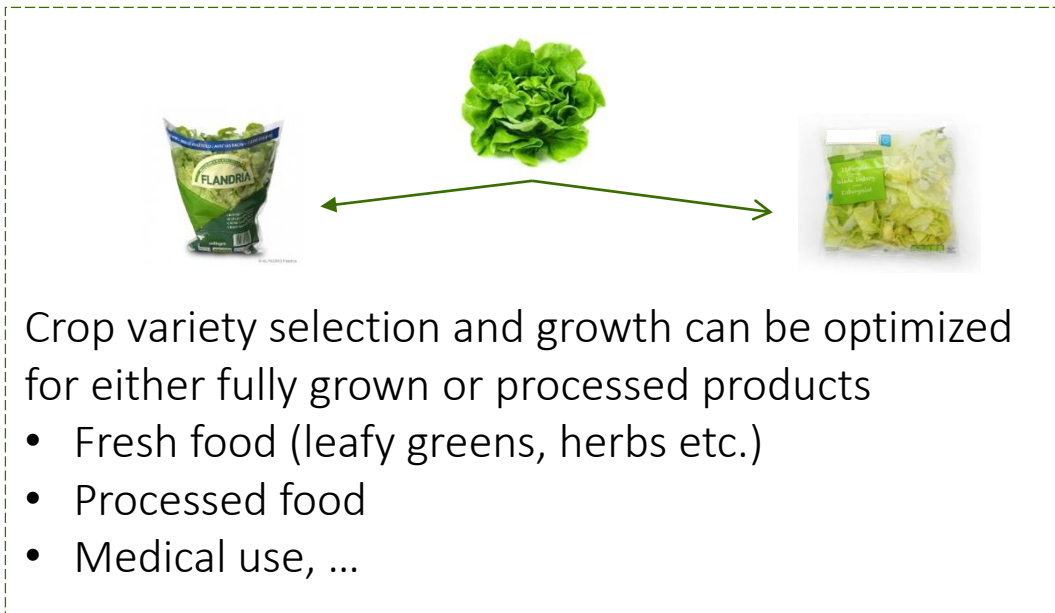




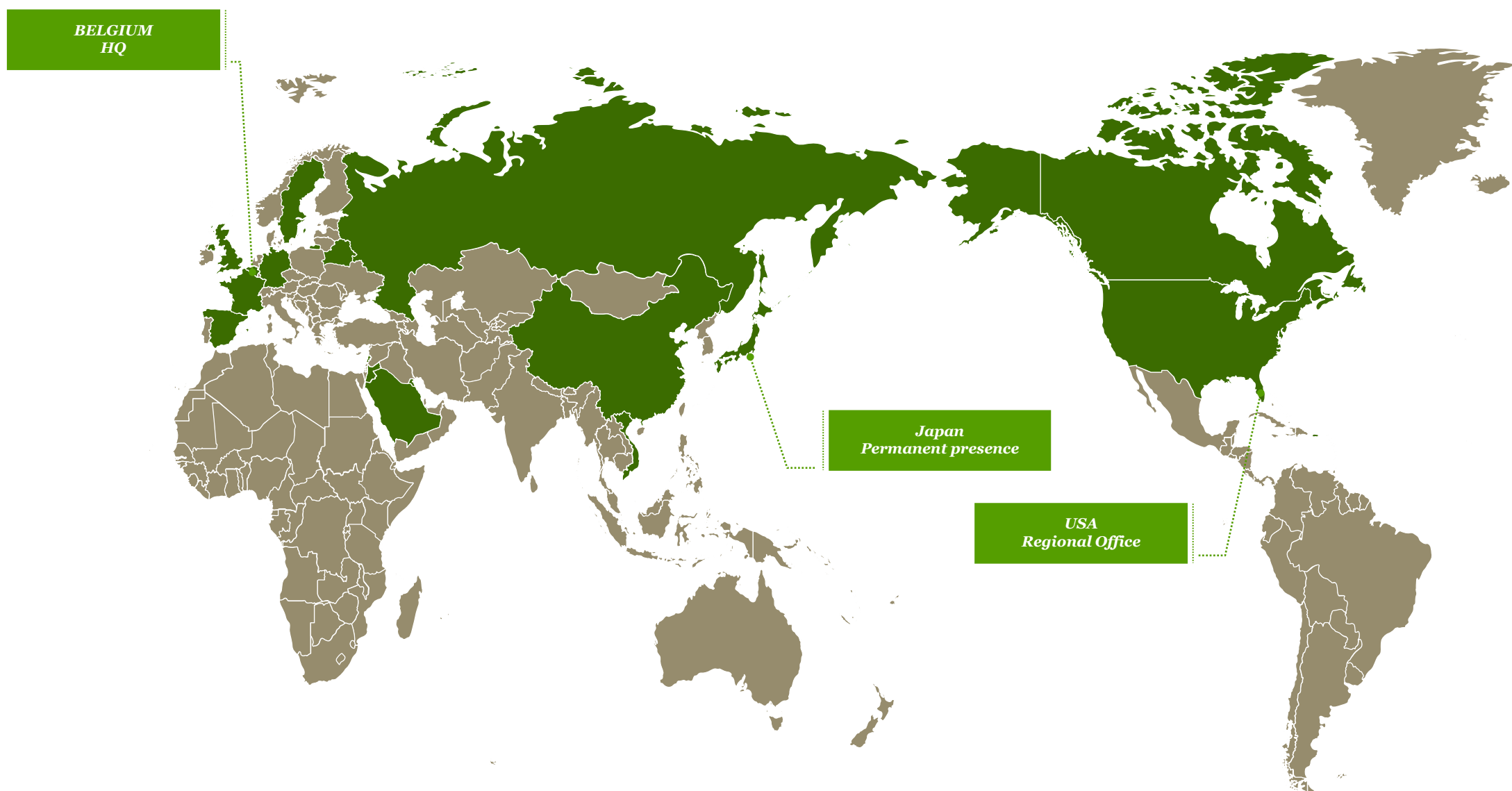


YOU NAME IT, WE GROW IT

Our team of plant biologists have already grown a wide variety of crops and we still haven't seen the limits



Founded in 2014, Urban Crop Solutions is currently active across the globe





WHY?

Our planet is faced with a global challenge

+2.5b

The population will grow with 2.5 billion to over 9.8 billion in 2050, leading to a need to produce 70% more food ¹

70%

By 2050, more than 70% of all people will live in cities ²

80%

In 2012, 80% of the land suitable for agriculture is already in use ³

Ever growing large urban areas will increase distribution challenges

Losses of 30% incurred during global distribution

Global transportation impacts costs, our environment and plant quality

In order to face this challenge, we need to grow more locally and more efficiently

¹ U.S. Census Bureau, International Data Base, August 2016 Update

² United Nations. (2014). World Urbanization Prospects. New York: United Nations.

³ Tilman, D., Fargione, J., Wolff, B., D'Antonio, C., Dobson, A., Howarth, R., . . . Swackhamer, D. (2001). Forecasting Agriculturally Driven Global Environmental Change. *Science*, 292, 281-284.



With a customer base in several segments



FOCUS: EXPAND LOCAL

You can build/expand your brand by operating strategically located vertical farms

There is a marketing story to tell: Fresh; herbicide-, pesticide-, fungicide-free; local.

If you choose your market well there is potential economic success (geographically; supply chain; etc.)

The vertical farming industry in the United States is new and the existing vertical farmers have flawed business model

Around 5 “big” vertical farming companies that have raised between 10-200 million dollar (relative).

They use that money to do R&D (engineering and biological) and to build/operate vertical farms = flawed

Future: Growers will be growers, technology suppliers will be technology suppliers.



OPPORTUNITIES

Expand local

Overnight farm-to-fork; herbicide-, pesticide-, fungicide-free; local.

Expand into newly created markets

E-commerce (Amazon Fresh); meal delivery services (Sunbasket, Hello Fresh).

Improve your/the growing process

Young plant production (herbs, lettuce, vine crops, ornamentals); year round consistent production

Look beyond food agriculture

Nutraceuticals; aromatics; pharmaceuticals; crop science





Lettuce stay in touch!

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