







Why Container Farms?

Benefits

- Easy to ship
- Quick to setup
- Rugged, weather and pest proof
- Reliable production
- Stackable for even higher density

Limitations

- Constrained elbow room
 - Storage area not included
 - Changing area not included
 - Work area conjoined with growing area







Hydra's PFM

Hydra Biotech utilized mature Containerized Housing industry solutions and integrated the best Indoor Farming technologies.

Providing both standardized and custom builds for customers all over the world.

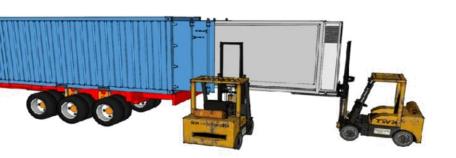
In addition to veggie farming, customers use different ICC modules for mushrooming, vining plants, microgreens, storage, off-grid power, water capture, even housing. The possibilities are endless.





How We Roll...

- 1. Ship one 40' Shipping Container to site
- 2. Extract, Connect and Expand Containers
- Assemble sub-assemblies













Achieve True Modularity





The Minimalist Half 40' Container Load

Total of 60 sqm

1 Independent Climate Controlled Farm Module

Optional: Ship insulation panels for 40' in unused space for onsite installation







Achieve True Modularity







Total of 90 sqm

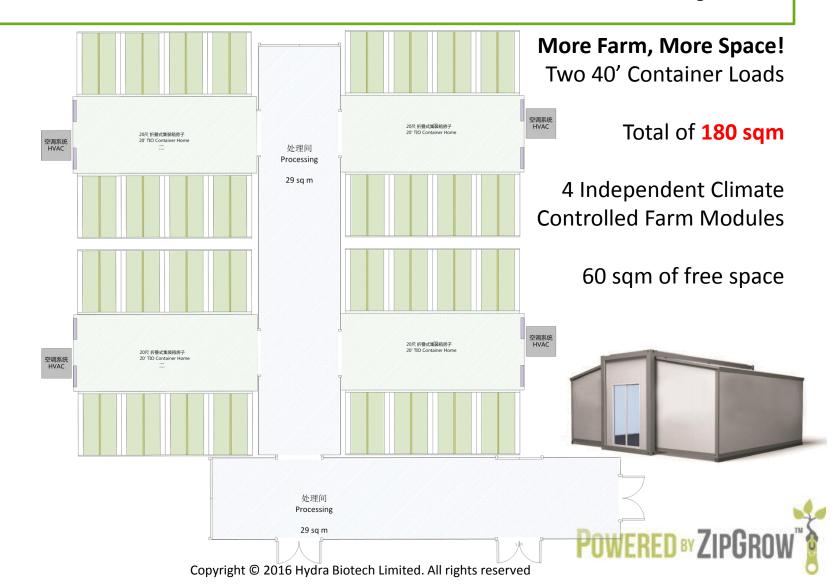
2 Independent Climate Controlled Farm Modules







Achieve True Modularity







ICC Module (Independent Climate Controlled)



26 x 220VAC 10A Wall Plugs (International)



32 sqm internal space

Independently wired for maximum control:

- Nutrient Reservoir Pump
- Sump Pumps
- HVAC/Dehumidifier
- Grow Lights
- CO2 Enhancement
- Room Lighting
- Security Cameras





3 Phase Input 380VAC

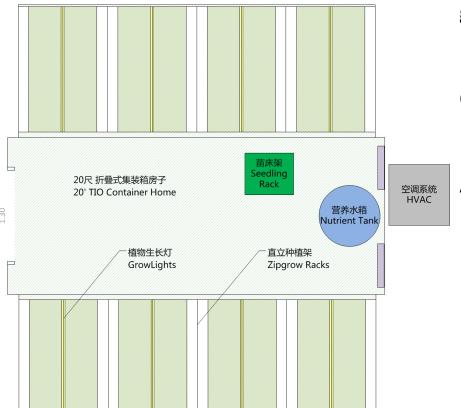




ICC Module (Independent Climate Controlled)



We recommend using 24 x 350W water-cooled Coolbartm for maximum light without the heat!



Copyright © 2016 Hydra Biotech Lir

32 sqm internal space

Up to **240** Zipgrow towers for maximum growing area; **2640-3120** plant spaces

Easily converted for other crops; Cucumbers and Tomatoes vines in Dutch Buckets, Mushrooms, Microgreens, etc.

Automated Mobile Seedling Rack Stack







Advantages of Hydra PFM

- Quick Setup
 - 1-2 days
- Efficient Shipping
 - Use and Recycle everything, including the 40 foot "Packaging"
- More Space
 - 90 sqm delivered with one ISO Standard 40' shipping container
- Weather Proof and Durable
 - Lasts for more than 10 years
 - Designed from ground up for field maintenance

- True Modularity
 - Repurpose Farm Modules for custom needs; Veggies, Microgreens, Tomatoes and Cucumbers
 - Tailor your growing environments (and nutrients) to your different crops!
- Everything you need in one container
 - Farming hardware, tools, spares and even comes with storage space!





Loading PFM for Shipping







E-X-P-A-N-D

YOUR SPACE!





Hydra PFM FAQ

Inputs

 Seeds, Water, Power, CO₂ and a little effort from you

Power

- 380VAC Three Phase input for max. efficiency
- Veggie configuration uses about 100 KWh per day (light and HVAC)
- R16 insulation for more energy savings and hostile environments
 * Can be upgraded to R22

OPEX

 65-85% percent of running costs come from energy bills

Order Lead Time

4-6 weeks for standard ICC modules

What can be grown?

 Veggies, Herbs, Microgreens, Tomatoes, Cucumbers, Mushrooms

What other Modules are there?

 Other than the standard GP, ICC and BTS (Basic 3-in-One Shell) modules, any combination can be made. We provide custom build services too.



E-X-P-A-N-D

YOUR SPACE!



About Us



Tristan Lim
Co-Founder

15 yrs in IT
Google East Asia Corp IT Manager
CEIBS MBA Class of 2006



Jim Hsieh
Co-Founder
15 yrs in Food Processing
Goldencrops China CEO
CEIBS MBA Class of 2006





Steven Khoo
Co-Founder

12 yrs in Industrial Automation
NOL-Tec China GM
CEIBS MBA Class of 2007

2000: Dr. Nate Storey started developing Zipgrow technology

2007: Bright Agrotech was started by Dr. Storey

2013: Tristan Lim started manufacturing Zipgrow

products for Asian markets

2014: Formalized Sales and Distribution with Bright Agrotech

2015: Founded Hydra Biotech Co,. Ltd to build custom PFMs







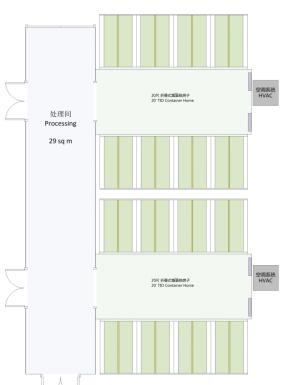


Contact Us

info@hydrabiotech.com **Enquiries:**

sales@hydrabiotech.com





E-X-P-A-N-D

YOUR SPACE!





Hydra Biotech

China (Shanghai)

Hydra Biotech Co., Ltd (91310000MA1J8YRE9J)

Shanghai, Jinshan Industrial Park, 1809 Jinteng Road, Level 1 China 201505

Hong Kong

Hydra Biotech Limited (66143519-000-05-16-9)

Room 2702-03 CC Wu Building 302-8, Hennessy Road, WanChai, Hong Kong

Singapore

Hydra Biotech Pte Ltd (201619546Z)

Blk 808, French Road, Kitchener Complex, #06-163 Singapore 200808



