

Algae Microfarm News

Help Reset the Algae Industry

November 2015

Quick Links...

SmartMicrofarms.com

Like us on Facebook 

Visit the Algae Microfarms Facebook Page for updates.

Join Our Mailing List!



[Slide Shows at SmartMicrofarms.com](#)

- * Smart Microfarm near Olympia Washington.
- * Home, Community and Small Algae Microfarms.
- * Algae Evolution from Large Farms to Micro Farms.
- * Algae Products for Global Markets.
- * Myanmar Spirulina Production and Products.



Scalable Algae Microfarms

Robert Henrikson writes this 6 part series in [Algae Industry Magazine.com](#).

Parallel to large algae production systems by well-funded algae ventures, is the emerging interest in smaller, scalable algae farms and business models. Evolving from projects in developing world villages, algaepreneurs have

Aloha Robert,

"Eat Algae, Don't Burn it"

Yes, push that red reset button to get the algae industry back on track, by nominating players who are making a real and positive contribution in the world of algae. Over this past decade, the Algae Industry has been dominated by big money chasing the mirage of commercial algae biofuels.



[Algae Industry Magazine 2015 International Readers Poll](#)

[Shakeout in Algae Biofuels](#) (March 2011)

described shakeout scenarios about to unfold. This great biofuel boom and bust raked in billions of dollars in government, corporate and private investment over the past decade, attracting charlatans and collaborators (some who knew better) who sucked up the public bandwidth about algae, burned investors, and discouraged many from funding algae ventures for food, feed and high-value products.

Failed biofuel companies may try to excuse themselves because the price of oil fell. A decade ago, experts with real algae experience could not identify a pathway to make algae biofuel cost competitive with conventional fuel even at higher fuel prices. Where is the path forward today?

A few years ago corporate suits were dismissing non-fuel products from algae as "co-products" for "niche" markets. Now they are gone. Their replacements at algae biofuel ventures have desperately tried to pivot to those niche markets and algae co-products like food, feed, nutraceuticals, high value oils and fine chemicals, to show a real income stream for their sponsors.

During this time, we have also learned about the barriers to the massive scale required for biofuel commercialization. This undermines the claim that bigger is better, and renews appreciation of small is beautiful.

Algae industry conferences use to open with a plenary panel of algae CEO "all-stars," touting their big successes developing biofuels. One-by-one they have dropped away. The largest algae industry organization in the USA engaged in ongoing lobbying for government grants, subsidies and entitlements to maintain the faltering algae biofuel R&D industry.

If 10% of the funding for algae biofuels had been redirected into R&D for animal nutrition studies and cost reduction for algae aquaculture and animal feeds and human food, we would already be well along on this path. Growing algae for feed and food will have a far greater impact on reducing negative effects of climate change than biofuels ever would, and in doing so, we will support all sentient beings on this Earth.

Let's reset our algae narrative. There is plenty of good news to share. Opportunities abound. Refocus on the real algae industry that offers real

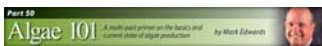
been growing spirulina algae in small outdoor greenhouses and photobioreactors. Automated smart technology combined with modular growing systems may soon make it feasible to deploy algae microfarms anywhere in the world.



Why Spirulina?

6 major health benefits from just 3 grams a day
(beyond super nutrition)

1. stimulates immune system
2. improves beneficial flora
3. enhances healing response
4. promotes anti-aging
5. detoxifies pollutants
6. protects with antioxidants



ALGAE 101

For several years, Mark Edwards has authored the popular Algae 101 blog for Algae Industry Magazine on the basics, the breakthroughs and the current state of global algae production and foods today.



Algae Videos at SmartMicrofarms.com

- * Spirulina Viva Mexico.
- * Spirulina in Myanmar.
- * Algae Microfarms Book.
- * Spirulina Algae Microfarm Olympia Washington.
- * Algae Growing Systems for

products and services from algae. Let's nominate individuals and organizations that understand how to change the world. "Eat Algae, Don't Burn It."

Olympia Washington Microfarm 2015 Expansion



Our testbed continues to test pond configurations, materials, nutrient protocols, circulation and harvesting equipment and technologies. Producing fresh frozen spirulina in individual serving portions and low-temperature dried ("raw") spirulina in various noodle, granule, flake and powder food forms. Experimenting with food combinations ranging from spirulina-lemonade popsicles to fresh spirulina dips, spreads and snacks.



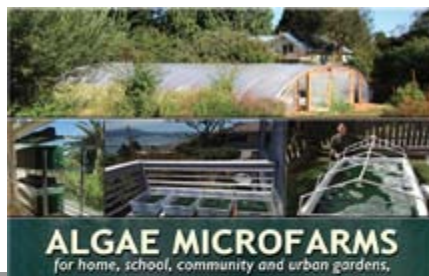
Enjoying spirulina lemonade popsicles on a hot summer afternoon.

Antenna Technologies Celebrates 25th Anniversary

Antenna Technologies (AT) was founded in 1989 by Denis von der Weid and a association of scientists to develop technologies to address essential needs. Today, based in Geneva Switzerland, AT runs over 60 projects in over thirty countries, focusing on the field of life sciences: water and hygiene, nutrition, energy and lighting, agriculture, medicine as well as micro-credits to finance these same technologies.



Spirulina programs run by AT and Antenna France are in Burkina Faso, Burundi, Cambodia, Central African Republic, India, Laos, Madascar, Mali, Mauritania, Niger and Togo.



ALGAE MICROFARMS

for home, school, community and urban gardens, rooftop, mobile, vertical farms and living buildings

Over the past 30 years, large farms have grown algae for food, feed and fuels for thousands of products. Now An era of microfarms is emerging.

Home and Backyard.

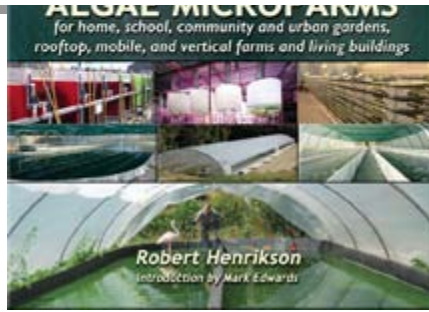
* Future of Algae: The Algae Competition.

* Integrated Spirulina Microfarm in France.

* Commercial Algae Farm in Thailand.



Presentation at the National Algae Association Workshop April 23, 2015 in Richmond California: "Opportunities in Scalable Algae Microfarms - emerging production, supply chains, products, marketing."



The author founded one of the world's first and largest algae farms 35 years ago. The time has come to introduce algae microfarms and the algaepreneurs who are building them and selling and distributing healthy foods in their local communities.

Available at Amazon.com

148 pages * full color * 8"x10" ISBN 148396826X * \$29.95

Algae Microfarms Chapters:

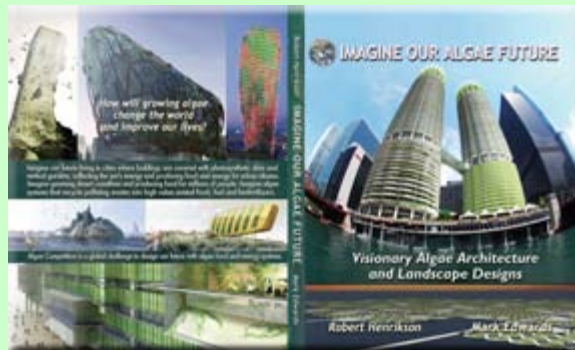
1. Why algae microfarms are emerging
2. Small farms in developing world
3. Algaepreneurs, microfarms in France
4. Growing at home and in community
5. Microfarms and bioreactors
6. Future visions of living algae systems
7. Production, products and potential
8. Imagine our algae future
9. Grow your own spirulina
10. Smart algae microfarms slideshow
11. Personal journey
12. References and author biographies



Algae Microfarms Book 1:49 minutes

Best Green Wishes from Robert Henrikson

Algae Resource Books



IMAGINE OUR ALGAE FUTURE

Visionary Algae Architecture and Landscape Designs

International Algae Competition
by Robert Henrikson and Mark Edwards

Available at Amazon.com

[Forward email](#)



This email was sent to roberthe@sonic.net by roberthe@sonic.net | [Update Profile/Email Address](#) | Rapid removal with [SafeUnsubscribe™](#) | [About our service provider.](#)



Algae Competition | PO Box 71024 | Richmond | CA | 94801