



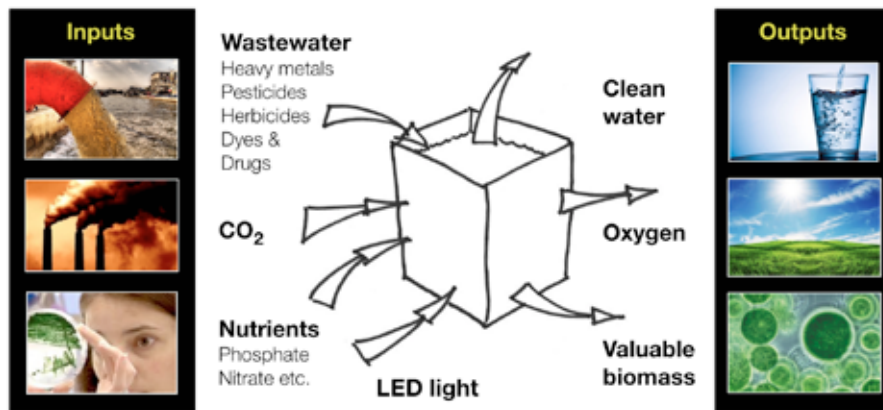
We have a simple goal:

Grow more micro-algal biomass in the smallest footprint, faster and cheaper than any other company

WHAT WE FACILITATE

Avespa has developed a technology platform for growing large volumes of micro-algae in a patent pending process that incorporates specially manufactured tanks and lights into a highly controllable and scalable system.

Designed from the start with strict levels of biological control the system ensures consistent, high quality biomass at each stage of the preparation, growth, harvesting and extraction process.



The Avespa process has been designed to be a turn-key technology platform that can enable a wide variety of companies and industries to rethink how they can better reduce the environmental impact of inputs such as wastewater, carbon emissions etc... while simultaneously develop the "Waste 2 Worth" capabilities needed to produce, grow and harvest a wide range of potential outputs such as:

- Difficult to source natural chemicals and ingredients for the Pharmaceutical, Nutraceutical and Cosmeceutical markets.
- Substituting marine sourced Omega 3 oils for the unlimited capacity to sustainably grow pure natural algal oils.
- Developing an algal palm oil substitute
- Using biomass as a more natural source of animal and fish feed, Etc.

We believe that much of the core industrial and academic research underpinning many of these potential opportunities has already been done and that all that's been missing is a volume manufacturing system that can achieve sufficient efficiencies and economies of scale, in a controlled growth environment to make each business case viable.

MOVING FORWARD

Following on from the Micro-algae to Aviation Bio-fuels, Birmingham event the Avespa team are interested in exploring in confidence any potential area where an attendee feels that the Avespa approach to growing micro-algae could facilitate social, environmental and commercial opportunity or impact.

Management team

Dr. Philippe Bois CHIEF SCIENCE OFFICER
An expert in biology, molecular biology, cell culture, microbiology, genomics and genetics with over 30 peer reviewed publications

A graduate of the Curie Institute, Paris; and Leicester University's laboratory of Professor Sir Alec Jeffreys (father of modern DNA fingerprinting), Philippe worked at St. Jude Children's Research Hospital and Pasteur Institute before running a research laboratory at the Scripps-Florida Research Institute.

Angela Cortina CHIEF BIOLOGIST
11 years experience growing algae including managing one of Europe's largest bio-fuels project (€38m) in Portugal together with a doctoral thesis on comparative analysis of major Open pond and Photo bio reactor systems (PBR's) make Angela one of Europe's most experienced algal practitioners.

David Punchard MBA CEO
C level manager & entrepreneur with 30+ years experience on four continents. Responsible for 2,500+ branding & 250+ strategy programs for companies as diverse as Amex, Barclays, SAB Miller, Cargill, Nestle, Lufthansa and P&G

Nina Wood MBA CFO
Extensive international experience as a financial analyst and family wealth office manager.

Science & business advisors

Dr. Francis Bealin-Kelly
Industrial Microbiologist, Chief Technology Officer at Strauss Coffee BV, previously global head of R&D, brewing technology and Innovation at SABMiller and 17 year veteran of global product development, science and Innovation at P&G.

Carlos de Pommès MBA
Senior consultant London, ex McKinsey, Managing partner Cambiio innovation advisors for clients such as QinetiQ, Vodafone, SABMiller, Kraft, Lux TSI, Nebula...

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