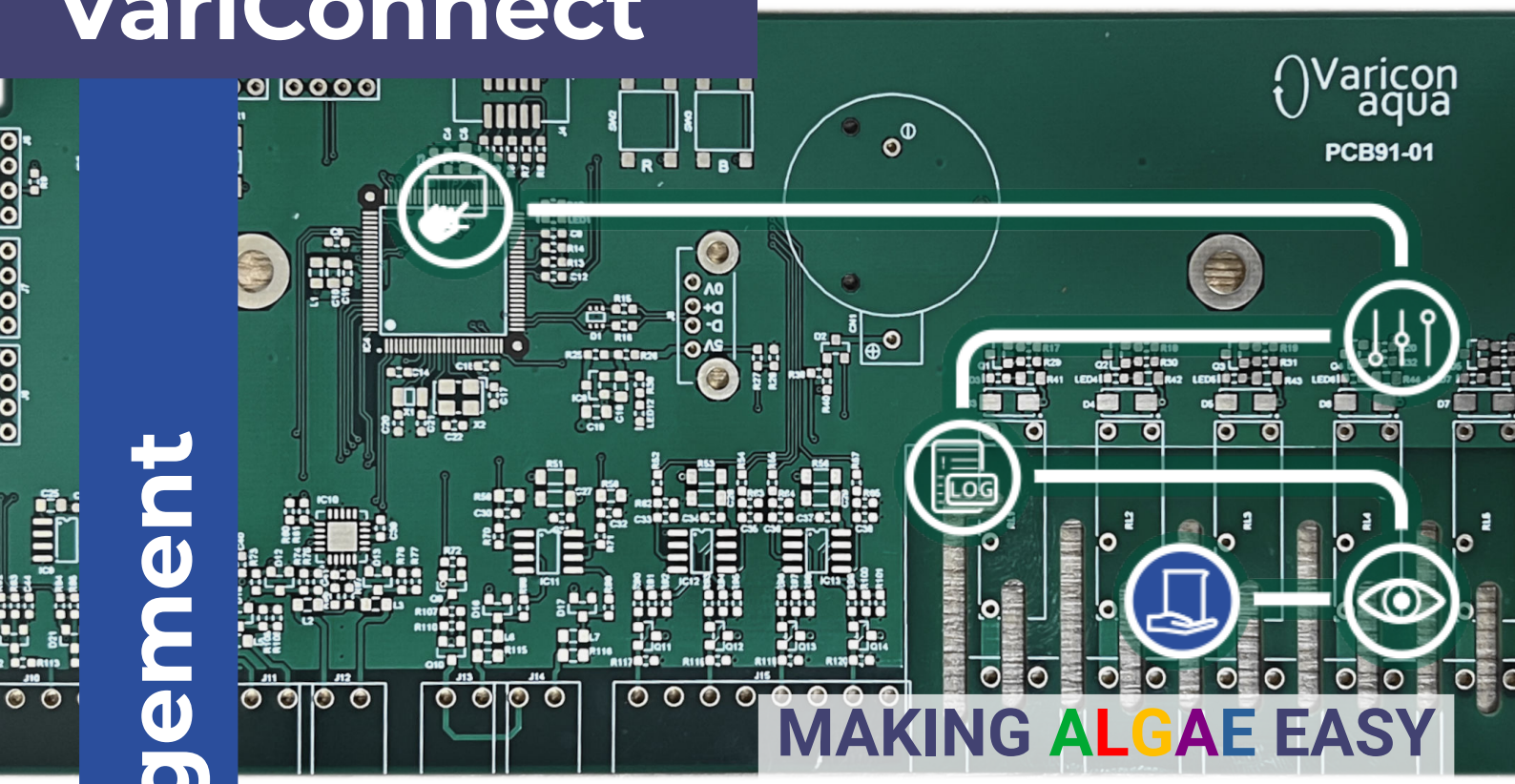
VariConnect

PBR and Pond Management



MAKING ALGAE EASY

Varicon Aqua are specialists in the design, construction and deployment of algal growth platforms. With over **30 years of experience** and **over 350 photobioreactor systems deployed** across the globe. We are recognised as global leaders in the sector. Our close client engagement and supply chain relationships allow us to provide bespoke photobioreactor and cultivation systems for a broad range of applications; we have provided systems ranging in scale from **5 litres to 400,000 Litres**.

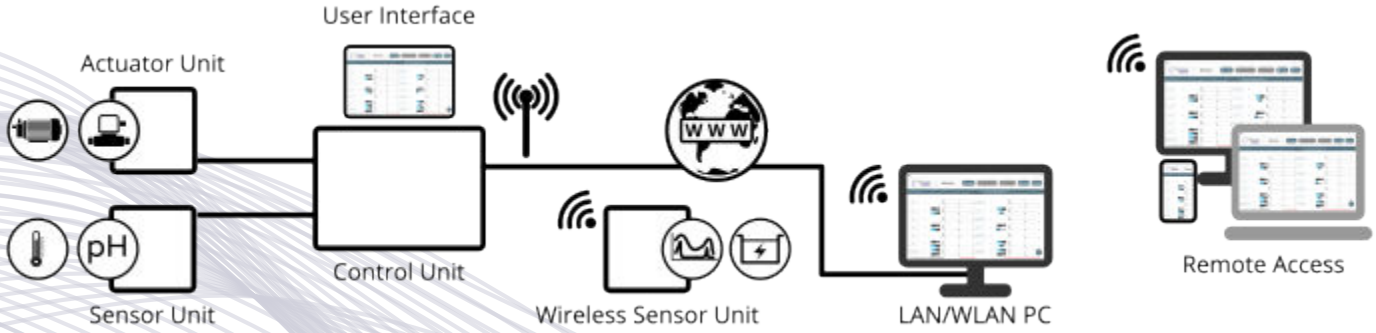
Our key algal growth platforms are represented within the **Phyco-™** line including the **Phyco-Flow™**, **Phyco-Pond** systems, **Phyco-Lift**, and **Phyco-Bubble**, each designed to meet specific needs and deliver optimal results in algal cultivation.

Now we are taking the management of algae production systems to the next level.

With **VariConnect**, Varicon Aqua Solutions Ltd. introduces a transformative and flexible approach to managing the entire **Phyco-™** line photobioreactor and pond systems of any size and configuration. This wireless controller and data-logger incorporates cutting-edge technology with a user-friendly design, offering precise and robust control and monitoring capabilities through a network of sensors and digital Human-Machine Interface (HMI). Access it on the touch screen, from a computer or from anywhere over the internet.

VariConnect and **Varicon Aqua** is making the management of algae production systems easy.

VariConnect Management and Control System



Features



- Wireless network
- Monitoring
- Data-logging
- System control
- Remote access
- Intuitive graphical user interface
- On-Screen keyboard
- Waterproof design IPxx
- Automatic control
- Multiple PBR control

Specifications



- Sensors
  - pH
  - Temperature
  - Optical Density
  - Conductivity
  - Dissolved Oxygen
  - Photosynthetically Active Radiation
  - and more
- Power
  - 24 voltage
- Communications
  - 4 x Digital inputs
  - 2 x Analogue inputs
  - 2 x 4-20 mA inputs
  - 2 x K-type inputs
  - Up to 28 x wireless in- and outputs
- Relays
  - Up to 8
- Serial interfaces
  - 2 x CAN
  - 1 x RS485
- Network
  - 1 x WiFi module

MAKING ALGAE EASY

Our Guarantee.

As with all Varicon Aqua systems we pride ourselves on the high level of after sales support we provide to our clients whether it's a systems issue or a technical production question. We are highly approachable. Come talk to us about your needs!

Contact: variconaqua@variconaqua.com - www.variconaqua.com

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