



O₂

Environmental

delivering sustainable solutions

O₂ Environmental Inc

Accelerating technology commercialisation

O₂ Environmental provides a range of services to the Clean Tech industry to accelerate the successful commercialization of innovative environmental technologies



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Accelerating Successful Technology Commercialisation

- The steps in technology development and commercialization can be broken up into:
 1. Basic and Applied Research
 2. Proof of Concept
 3. Demonstration Scale
 4. Commercialisation
 5. Market Expansion
- The goal of any start-up company is to move through these steps as quickly and efficiently as possible.
- O₂ Environmental provides support services to enable companies to navigate their way through steps 1–5 in a timely and cost-effective manner.

Customer Profile

- Technology Development Companies
- Venture Capital and Angel Investors
- Established Companies acquiring new technologies
- University Technology Transfer Offices
- Government Agencies



Services Provided

- **Market Analysis**
- **Technical Assessment**
- **Business Development & Marketing Support**
- **Accessing R&D and Technology Grant Support Mechanisms**
- **Networking and strategic alliance introductions**

Reference Clients



O₂ Environmental Company Resources

- BlueTech Tracker
 - The group maintains the BlueTech Tracker database which tracks the progress of new water technology companies year on year. This allows the profitability and scalability of technology companies to be tracked and mapped.
- Extensive library of Current Market Analysis Reports for Water Sector
- Company Library of Technical Papers, Conference Proceedings & Books for Water Sector
- Access to IWA & WEF Member Resources
- Access to BCIT Research Resources





Paul O'Callaghan



- Paul is CEO of [O2 Environmental Inc.](#), a Director with Ionic Water Technologies, and an industry expert reviewer for both [Sustainable Development Canada](#) and the Innovative Clean Energy Fund.
- Paul recently completed a cutting edge analysis of BlueTech investment opportunities in the water sector for Global Water Intelligence, “
- Worked with technology start-ups including [Ostara Nutrient Recovery Technologies](#), [Microsludge](#), MicroDynamics UV and [Aquacritox](#) to take technologies from proof of concept through to commercialization.
- Carried out work to identify investment opportunities for funds such as the Renaissance Fund, Frog Capital & the Four Winds Aqua Fund.
- Carried out work for large water PLC's to help identify opportunities for acquisition and internal technology development.
- An invited speaker at water technology events such as the [Blue, Green & Gold](#), the [Saudi Water & Power Forum](#) & the [Water Innovations Alliance Conference](#).
- Masters Degree in Water Resource Management and lectures on sustainable energy at the BC Institute of Technology and was a technical expert for the Artemis Project 'Water Top 50'.
- Paul is an active member of the WEF Biosolids Technical Committee Literature Review, IWA Water Re-use Committee and is currently writing a Writing Green Party Policy Paper on Science & Technology

O₂ Environmental Technology Assessment Group (TAG)

- Dr. Tim Evans



Tim is an international expert in the field of biosolids and organic waste management. He has over 25 years experience of design, benchmarking and strategic assessment of emerging technologies. He has recently worked for the European Commission on developing regulations regarding the treatment and re-use of organic residuals and is regularly invited to present at international conferences on residuals management.

- Dr. Andreas Kolch



Andreas holds a Ph.D in Microbiology from the Institute of Hygiene and Public Health, University of Bonn, Germany. Prior to founding [Hytecon](#), Andreas served as Chief Technology Officer (CTO) with Wedeco (Wedeco GmbH, Wedeco AG, ITT -Wedeco), a global provider of UV and Ozone water treatments systems. Andreas was involved with the development and commercialization of a wide range of different treatment technologies within Wedeco, acted as representative for the company with the investment community in relation to all technical aspects and questions and supported the acquisition process for acquiring and /or selling technologies. .

- Dr. Hans Gethke



Hans is a water and wastewater treatment expert with over 24 years of international experience. Hans holds a Doctorate in wastewater treatment from the University RWTH Aachen Germany and held the position of Scientific Director at the University for eight years. He has carried out on the preliminary design, detailed design, commissioning and project management for major projects on five continents in municipal and industrial water and wastewater treatment.

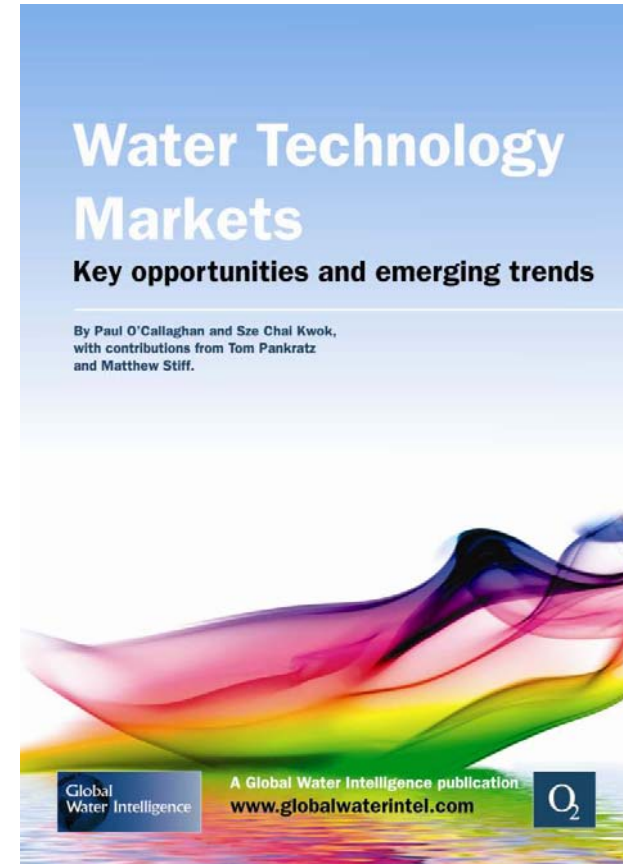
- Dr. Bill De Waal

Bill is a water industry expert focused on finding new applications for UV technologies and investigating innovative water and wastewater treatment technologies. He has investigated many start-up companies to evaluate their technical and commercial viability. Bill received his Ph.D. in organic chemistry from the University of British Columbia and is also Director for Innovation Management at Trojan Technologies.



Recent Achievements

- Ostaro Nutrient Recovery Technologies
 - Helped company raise \$10.5M
 - Business development and strategic marketing leading to sales
- Four Winds Aqua Fund
 - Advisor to Private Equity Fund in Water Space looking at Build Own Operate
- Global Water Intelligence
 - Completion of Book on water technologies
- Large Water PLC
 - Review of existing technology portfolio & advice on technology growth and acquisition strategy



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