



PURALYTICS
MEDIA KIT

Hello!

It is my pleasure to provide this brief Press Kit to introduce you to Puralytics®.

Puralytics has developed a core technology *nanomesh* that destroys contaminants with the light. LEDs kills pathogens, destroys chemicals and absorb heavy metals. This technology meets EPA and WHO standards for drinking water and it has 6 patents and 7 research grants.

Puralytics technology has been applied to several products like the SolarBag, a personal water purifier or the Shield 1500, a UV LED activated water treatment. Puralytics wants to share their technology with other strategic partners in the drinking water industry.

Please take a moment to review the valuable information included in this Press Kit.

If you would like a product sample or more information, please contact me.

Thank you for your time and your interest.

Best regards,

A handwritten signature in black ink, appearing to read 'Rick Lockett', with a long horizontal flourish extending to the right.

Rick Lockett

CEO

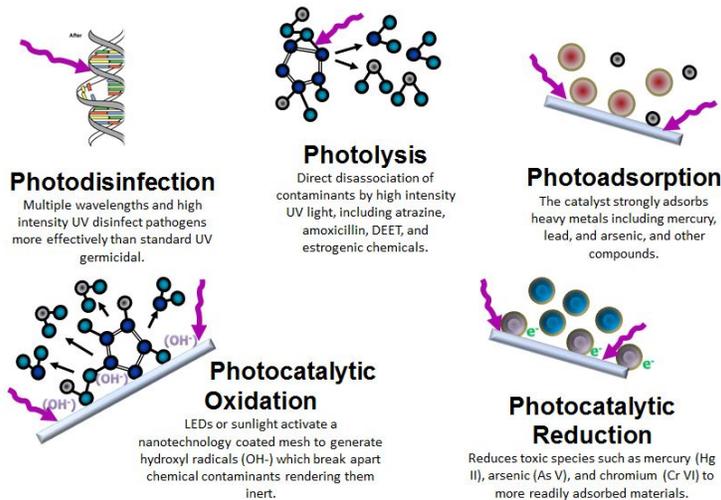
Who is Puralytics?

Puralytics® is a water purification equipment company located in Hillsboro, Oregon. Puralytics has developed a patented photochemical water purification process using only light energy either from LEDs or sunlight to activate an advanced nanotechnology coated mesh. Water is purified through five simultaneous photochemical reactions, breaking down chemical compounds (such as petrochemicals, pesticides and pharmaceuticals), and sterilizing bacteria, viruses, and other pathogens. Without use of chemical additives. Puralytics products set new standards for sustainability, ease of use and cost effectiveness.

What is Puralytics Technology?

Puralytics'® core technology is a proprietary catalyst material, an assembly of nanoparticles that purifies water without being degraded. It can be used multiple times minimizing waste and disposal problems associated with physical water treatment technologies which collect contaminants instead of breaking them down. It combines 5 photochemical processes delivering: disinfection, trapping of heavy metals through adsorption, breaking apart organic contaminants, self contained modules, stand-alone or system component and it is scalable to larger areas or flows.

5 Light Activated Processes



Photodisinfection

Multiple wavelengths and high intensity UV disinfect pathogens more effectively than standard UV germicidal.

Photolysis

Direct disassociation of contaminants by high intensity UV light, including atrazine, amoxicillin, DEET, and estrogenic chemicals.

Photoadsorption

The catalyst strongly adsorbs heavy metals including mercury, lead, and arsenic, and other compounds.

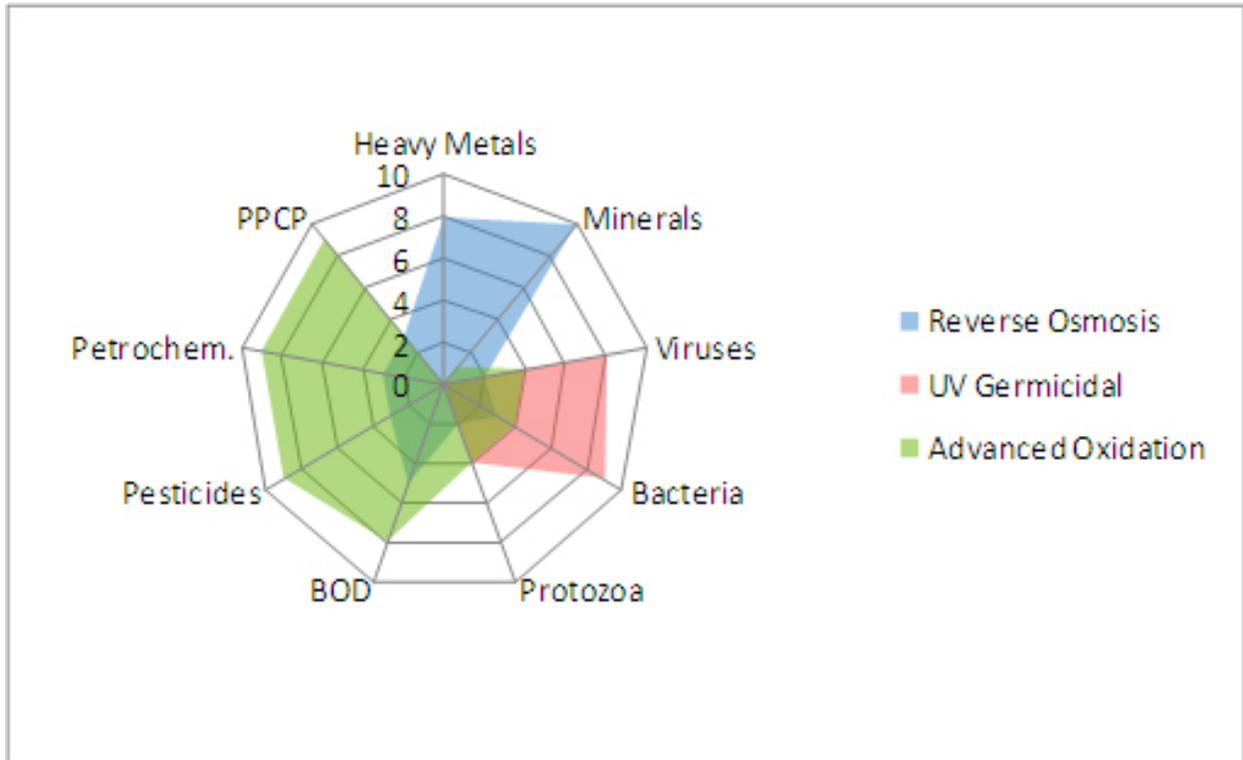
Photocatalytic Oxidation

LEDs or sunlight activate a nanotechnology coated mesh to generate hydroxyl radicals (OH·) which break apart chemical contaminants rendering them inert.

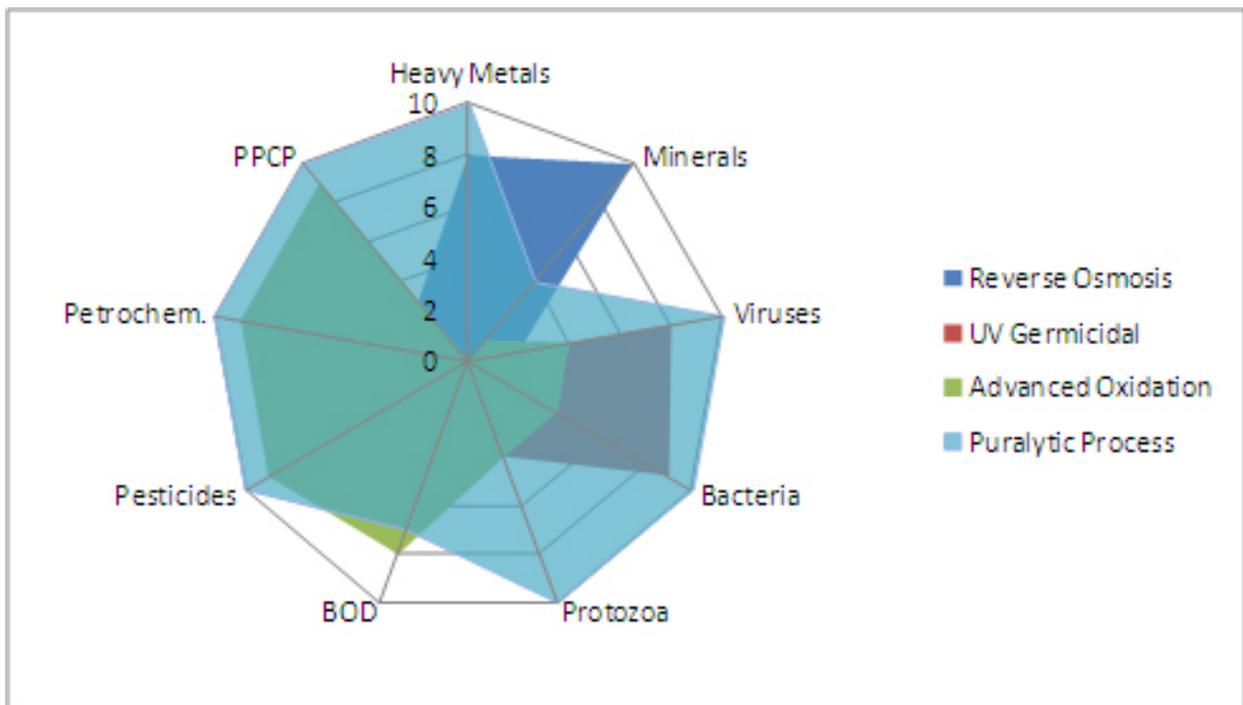
Photocatalytic Reduction

Reduces toxic species such as mercury (Hg II), arsenic (As V), and chromium (Cr VI) to more readily adsorbed materials.

Existing Available Technologies are limited, narrowly focused contaminant coverage.



Our technology takes out more than the other systems combined, without losing desirable minerals, that RO systems deplete



What services does Puralytics offer?

At Puralytics, we help to transform a market opportunity into a product available for sale. With more than ten years of experience, we have a complete vision of the competitive environment and the nature of the market and together with a good understanding of customer needs and the use of best practices, we have the key factors for the success of a new product. We offer technology integration and OEM services.

Puralytics technology has broad applications in the water and can be integrated into systems and devices of all sizes. Puralytics team can support technical development in core markets of drinking water, lab waste water and industrial water. Puralytics also license nanomesh or modules examples for storm water and swimming pools. We develop with partners in their products for their channels.

Puralytics Products

Portable personal sun-light activated water purifiers



The SolarBag is a sunlight-activated reusable water purifier that destroys or reduces the broadest range of contaminants without pumping, electricity, chemicals or replaceable components. Simply place the SolarBag in the sun for a few hours, and enjoy safe water. Through solar-activated nanotechnology, the SolarBag offers the broadest contaminant treatment of any portable water purifier.

LED Powered Water Purification



The Shield is a low cost treatment that delivers disinfection and contaminant removal. The Shield 1500 is the latest version, launched in July 2017. It has a new proprietary nanomesh, improved illumination, 50% improvement in capacity, 50% reduction in consumables cost and zero water waste. The patented Puralytics® process employs LEDs to excite our proprietary nanotechnology mesh which drives light-activated water purification processes. The Shield achieves advanced disinfection and detoxification with improved aesthetics. Pathogens (bacteria, virus, protozoa) are sterilized and many types of unwanted organic compounds are broken down. Examples include taste & odor compounds, emerging contaminants (personal care products & pharmaceuticals), fertilizers and pesticides, and industrial chemicals (petrochemicals, toxins).

Executive Bios

Rick Lockett

Prior to joining Puralytics®, Rick has been involved in water treatment and water technology for nearly 25 years, with experience in segments including drinking water, stormwater, waste and process water and swimming pool and spa treatment. Previously, Rick was President of Muntech Products, a consumer goods company which grew revenue by over 3 times during his nearly two year tenure. Rick also led global sales and business development at the water technology start up HaloSource for nearly nine years. As Senior Vice President, Global Water Business, he led the growth stage of the business from \$3 million in sales to a \$16 million annual run rate upon his departure in 2012. Rick was an active participant on the Senior Leadership team of the company raising several rounds of venture funding, including participation in the three man roadshow team for a successful \$85 million IPO on the AIM market in London in 2011 that was significantly oversubscribed. Mr. Lockett attended the University of Texas at Austin, studying business administration as a National Merit Scholar.

Bruce Leak

Bruce is a Co-Founder at Playground Global, LLC and serves as Managing Director of Playground Ventures, L.P. In more than three decades of tech industry experience, Bruce has made his mark as an engineer, entrepreneur, and investor. He is best known for his groundbreaking work in multimedia, as creator of QuickTime and co-founder of WebTV. As Chief Operating Officer at WebTV, Bruce was instrumental in the development and deployment of the world's first consumer Internet appliance and service and was responsible for the growth and management of the business in excess of one million customers and \$300 million in revenue. Prior to WebTV, Mr. Leak served senior management and engineering roles at Rocket Science Games and General Magic Inc. He began his career at Apple Computer, where he invented and brought to market QuickTime and 32-bit QuickDraw. He holds several technology patents. As an Angel investor, Mr. Leak has had five public exits from seed investments including: Danger (Microsoft), Android (Google), and Nest (Google). Mr. Leak is a graduate of Stanford University with Bachelor's and Master's degrees in electrical engineering.

Mark Owen

Prior to founding Puralytics, Mr. Owen was the founder and CEO of Phoseon Technology, the world leader in UV LED photo-curing systems to the inks, coatings, and adhesives industry, growing the company to market leadership and remaining involved as a Director for 11 years. Mark has also held business development, marketing, and engineering management roles at Agilent Technologies, Electro Scientific Industries, and Tektronix. He has over 50 patents issued or pending, has published over 50 technical articles, and more

than \$1B in revenues have been derived from products involving his patents. Mr. Owen holds a Masters in Advanced Manufacturing Technology from the University of Limerick, Ireland and a Bachelor of Science in Mechanical Engineering degree from Oregon State University. Mark was elected as a Pivotal Leader in the NW Cleantech community in 2012, and inducted to the OSU Engineering Hall of Fame in 2015.

Rob Anthony

With a background in engineering, entrepreneurship and pastoring, Rob is the CEO of Healing Waters and he sees his role as the perfect synergy of his widely varied experiences. Over the course of his career he has logged hundreds of thousands of air miles visiting the world's most water stressed regions to work with NGOs, mission teams and national governments on solutions to provide affordable, sustainable, and safe drinking water solutions. Rob feels blessed every day to be part of an amazing team that is passionately committed to seeing this crisis solved in our lifetime, so that children in every village have the opportunity to thrive, physically and spiritually, and live to pursue their God-given dreams and purpose. Rob maintains that his greatest "achievement" in life was convincing his wife Lorie to marry him almost 30 years ago, with a close second being his 3 beautiful children, Sarah, Marcus and Megan.

Carlos Perea

Carlos Perea is a serial entrepreneur with significant experience applying technology to opportunities in water. He acquired MIOX Corporation in 2006 and served as its CEO until 2014 and Chairman of the Board until the company was sold to a multinational corporation in 2016. MIOX developed a patented platform technology capable of improving water quality while eliminating the need for costly and hazardous chemicals. Prior to its sale MIOX was used over 500 EPA regulated drinking water systems in the U.S. and in over 30 countries worldwide. In addition to drinking water MIOX was deployed by large corporations such as Intel, Hyatt, Goldman Sacs, Google and others to control biological contaminants in cooling towers and other industrial applications. Besides MIOX, Carlos has served as CEO and President of several VC backed technology companies including Nuvita, a technology company focused on health care and Qynergy an alternative energy company. Carlos started his career at Intel Corporation and was manufacturing manager of the world's largest and most complex semiconductor fab for several years. In addition to a career in technology Carlos is an active member of YPO and serves on several community and social enterprise boards. Carlos has a BSME from UNM and an MBA from Stanford Graduate School of Business.

Awards

Puralytics is recognized as an industry leader in water purification technology.

- 2015 Backpackers Gear Test - Great Concept Award
- 2014 BlueTech Research Disrupt-o-meter Award, Most Innovative and Disruptive Water Technology
- 2014 USTechH2.O Exemplary US Water Technology
- 2013 International Water Association Global Honour Award for Drinking Water Supply
- 2013 Innovation in Sustainability Award
- 2013 BlueTech Innovation Tracker Award
- 2012 Inc Magazine Top 8 Best Water Investment
- 2012 5 Star GIIRS Rating from BLabs
- 2011 Cleantech National Investor Conference "Most Fundable"
- 2011 Global Cleantech 100
- 2011 Zino Green Fund, Best Cleantech Investment
- 2011 The Artemis Project, named a Top 50 Water Technology Company
- 2011 TechCrunch Award finalist in the Cleantech category
- 2010 ImagineH2O finalist twice for both water and energy efficiency
- 2010 National Grandprize in the Cleantech Open, Best Cleantech Business
- 2010 Global Water Intelligence, Water Investment Idol



Notable Clients





Visible  Grace

