

See more news releases in [Oil & Energy](#) | [Utilities](#) | [Water Utilities](#) | [Green Technology](#) | [Environmental Products & Services](#) | [Awards](#)

Frost & Sullivan Commends APATEQ's Pioneering Integrated Membrane System for the European Advanced Filtration Technology Market



-- *The technology's fine balance of parameters allows it to effectively handle the fluctuations in the characteristics and qualities of the produced water*

LONDON, Sept. 15, 2014 /PRNewswire/ -- Based on its recent analysis of the advanced filtration technology market, Frost & Sullivan is proud to present APATEQ with the 2014 European Technology Innovation Leadership Award.

The wastewater treatment market is dominated by contaminant removal systems that are largely dependent on chemicals or enormous amounts of energy and APATEQ's novel integrated membrane system presents a breaking new ground in water filtration. The technology is in line with the three Mega Trends of Innovating to Zero, Smart is the New Green, and Future Infrastructure Development.

Traditional membrane technologies often prove inadequate for produced water treatment due to their shortcomings of clogging and high operating costs. The complex nature of produced water, which often contains high levels of free or emulsified hydrocarbons and supersaturated with dissolved solids and suspended solids, clogs membranes as well as creates a need for integration of pre-treatment units.

Therefore, conventional systems not only raise costs if not optimally chosen, but also compel the intensive use of chemicals and energy. Furthermore, the treatment of leachate generated at the landfill, industrial wastewater or water produced during oil and gas drilling is usually taken offsite, which necessitates safe handling procedures and additional storage and transportation costs.

APATEQ's unique treatment system is an answer to all these challenges. Its special anti-clogging and anti-fouling properties prevent membrane clogging. APATEQ's 'OilPaq' system employs a proprietary pre-treatment prior to its oil-repellent hydrophilic membrane filtration, helping lower the operating cost of treatment to approximately one-eighth of conventional oil water separation systems. In addition, APATEQ's technology for produced water eliminates the need for extra chemicals.

"APATEQ's 'PrePaq' used for primary treatment of industrial effluent separates up to 99 percent of suspended solids from various industrial wastewaters," said Frost & Sullivan Research Analyst Lekshmy Ravi. "Like the effluent from APATEQ's oil water-separation system 'OilPaq', that can be used for re-injection into the borehole or the fracturing process, the treated industrial water can be reused in industrial processes and agriculture, when required after additional treatment that is also provided by APATEQ."

APATEQ's integrated system uses a graphic user interface, which facilitates system automation as well as remote monitoring and control. With mobile treatment units likely to be a fixture in the future, this technology has the potential to be part of the Future Infrastructure Development Mega Trend, as it is available as stationary plants or mobile, containerized systems.

APATEQ's membrane technology can be used in many diverse applications, and its small footprint and mobility makes it suitable for any location. It is especially ideal for produced water treatment in oil and gas production and exploration, as space is a constraint in offshore oil and gas platforms.

"APATEQ aspires to be a comprehensive provider of water and wastewater treatment solutions and strives to provide maximum efficiency by offering simple treatment at low investments," noted Lekshmy Ravi. "It currently addresses the European, US and Canadian markets and intends to expand to the Middle East, South America and Asia in the domains of produced water, industrial effluent treatment and leachate treatment."

Each year, Frost & Sullivan presents this award to the company that has developed an innovative element in a product by leverage leading-edge technologies. The award recognizes the value added features/benefits of the product and the increased ROI it offers customers, which in turn increases customer acquisition and overall market penetration potential.

Frost & Sullivan Best Practices awards recognize companies in a variety of regional and global markets for demonstrating outstanding achievement and superior performance in areas such as leadership, technological innovation, customer service and strategic product development. Industry analysts compare market participants and measure performance through in-depth interviews, analysis and extensive secondary research to identify best practices in the industry.

About APATEQ

APATEQ – PWT S.A. develops and manufactures turn-key, custom designed oil-water separation systems for oilfield operators, compact wastewater treatment plants for demanding applications, ultrafiltration / reverse osmosis (RO) systems for industrial wastewater and advanced, low energy and chemicals free pre-treatment systems. Our technical team gathers members with decades of experience in water treatment and global product industrialization and commercialization.

For more information, visit <http://www.apateq.com>

About Frost & Sullivan

Frost & Sullivan, the Growth Partnership Company, works in collaboration with clients to leverage visionary innovation that addresses the global challenges and related growth opportunities that will make or break today's market participants.

Our "Growth Partnership" supports clients by addressing these opportunities and incorporating two key elements driving visionary innovation: The Integrated Value Proposition and The Partnership Infrastructure.

- **The Integrated Value Proposition** provides support to our clients throughout all phases of their journey to visionary innovation including: research, analysis, strategy, vision, innovation and implementation.

More by this Source

APATEQ AWARDS Frost & Sullivan Applauds Advantech Wireless's Gallium Nitride Devices for Balancing Performance and Economy in a New Application Terrain
12 Sep, 2014, 02:00 BST

 Expansion of Major Chemical End-User Industries Boosts Global Pump Market, finds Frost & Sullivan
11 Sep, 2014, 12:55 BST

Business Analytics: The Key to Business Survival in the 21st Century
11 Sep, 2014, 20:32 BST

[View all news by Frost & Sullivan](#)

Journalists and Bloggers



Visit **PR Newswire for Journalists** for releases, photos and customised feeds just for Media.

View and download archived video content distributed by MultiVu on [The Digital Center](#).

- **The Partnership Infrastructure** is entirely unique as it constructs the foundation upon which visionary innovation becomes possible. This includes our 360 degree research, comprehensive industry coverage, career best practices as well as our global footprint of more than 40 offices.

For more than 50 years, we have been developing growth strategies for the global 1000, emerging businesses, the public sector and the investment community. Is your organization prepared for the next profound wave of industry convergence, disruptive technologies, increasing competitive intensity, Mega Trends, breakthrough best practices, changing customer dynamics and emerging economies?

Contact Us: [Start the discussion](#)

Join Us: [Join our community](#)

Subscribe: [Newsletter on "the next big thing"](#)

Register: [Gain access to visionary innovation](#)

Contact:

Birgit Prochnow
Marketing & Communication
APATEQ - PWT S.A.
b.prochnow@apateq.com
P: +352 20 21 16 80 70

Kristina Menzefricke
Best Practices
Frost & Sullivan
kristina.menzefricke@frost.com
P: +44 (0)20 7915 7869

SOURCE Frost & Sullivan

RELATED LINKS

<http://www.frost.com>

Share   

[Next in Oil & Energy News](#)

Get content for your website

Enhance your website's or blog's content with PR Newswire's customised real-time news feeds.
[Start today.](#)

Contact PR Newswire

Send us an email at
MarketingUK@prnewswire.co.uk or call us at +44
(0)20 7454 5382

Become a PR Newswire client

[Request more information](#) about PR Newswire products & services or call us at +44 (0)20 7454 5382