

## PEREGRINE-X BRINGS ASTROPHYSICS DOWN TO EARTH!

By Trevor Stott-Briggs and Steve Major

Peregrine-X, with its proprietary PACE24 technology, is at the forefront of revolutionising the analysis of a wide range of fluids - from the oil industry to the medical field, to mining and other industrial effluents. Instead of taking several days or weeks, our analysis test takes only about 4 hours, using a small 25ml sample, and hence, we can provide the results within 24 hours. By leveraging advanced techniques derived from particle and astrophysics, Peregrine-X offers near real-time, comprehensive fluid analysis that sets a new technological standard. In the oil industry, our PACE24 applications enable precise insights into the composition and behaviour of oil, allowing operators to make informed decisions swiftly and accurately. This results in enhanced production efficiency, minimised operational downtime, and a significant reduction in environmental impact, giving oil companies a decisive competitive edge in a rapidly evolving industry.

The PACE24 technique is particularly effective in managing complex production environments, such as co-mingled reservoirs, where traditional methods often fall short. By analysing wellhead samples in near real-time, PACE24 identifies the contribution of each reservoir without the need for costly and time-consuming well shut-ins. This innovative approach not only maximises production but also optimises the use of chemicals, preventing unnecessary environmental harm. We offer free consultancy to showcase our capabilities and to tailor the analysis to specific operational challenges, and provide a field trial to confirm the results. This ensures that Peregrine-X's clients receive the most efficient and cost-effective solutions available in the market.

In the medical field, following initial R & D, the early indications are that the analysis technology can aid in the diagnosis of kidney failure and diabetes at an earlier point in the development of those diseases, plus the test is quicker, cheaper and more accurate than current procedures. Likewise for the mining industry, tests are being developed for mine tailings for Rare Earth Metals that may have missed initial screenings. There are also many uses in a broad range of industries related to the analysis of production effluents and contaminants in many fluids.

Peregrine-X is set to become a leader in fluid analysis; we are a driving force behind a more efficient, cost-effective, and environmentally responsible future for the energy sector and other industries, plus a ground-breaking opportunity in the improvement in the early detection of kidney issues and diabetes.

For further information, contact Trevor Stott-Briggs, Commercial Advisor to Peregrine-X at [tsb@peregrine-x.com](mailto:tsb@peregrine-x.com) or call +971 50 615 6524