ADVANCED NANO TECHNOLOGIES WORK WITH CAPPA TO DEVELOP PORTABLE RAMAN SPECTROSCOPE

BACKGROUND

Advanced Nano Technologies is an early-stage company developing a new portable solution for Raman spectroscopic measurements, which are commonly used in chemistry to provide a structural fingerprint by which molecules can be identified.

THE NEED

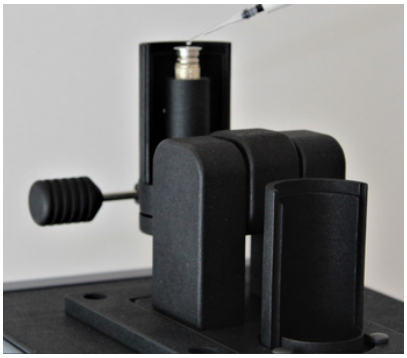
The company is developing a new tool called the 'Flipper', which is designed to be a lightweight portable Raman spectroscope. Advanced Nano Technologies wanted to test its capability and accuracy against a higher-end machine and also across a variety of materials that it could measure.

THE SOLUTION

An Innovation Voucher from Enterprise Ireland afforded the company access to experienced R&D personnel at CIT's Centre for Advanced Photonics & Process Analysis (CAPPA). It also provided the company with a detailed analysis of the operation of the unit and performance goals, the ability to use facilities in other sites as appropriate, and structured testing and benchmarking.

BENEFITS OF THE ENGAGEMENT

Being highly active in this area, the CAPPA was able to provide a detailed and extensive comparative study of the performance of the instrument. Advanced Nano Technologies also had access to a range of materials that were used to look at measurement variation and consistency. CAPPA was able to advise on particular improvements that could be made and hopes to continue to work with the company in developing a new version of the tool.



"CAPPA has demonstrated professionalism, efficiency, initiative, and expertise in addressing the industrial requirements of ANT Ltd through the Innovation Voucher. Our company has absolutely no hesitation in working with CAPPA in the future and will be recommending their services to others. We hope to collaborate with CAPPA in delivering a new generation of spectroscopic application technologies"

- Dr Norman McMillan, Managing Director, Advanced Nano Technologies (ANT).

Contact us to connect your Enterprise with MTU. Email us at extended.campusCork@mtu.ie to discuss a collaboration to suit your needs!