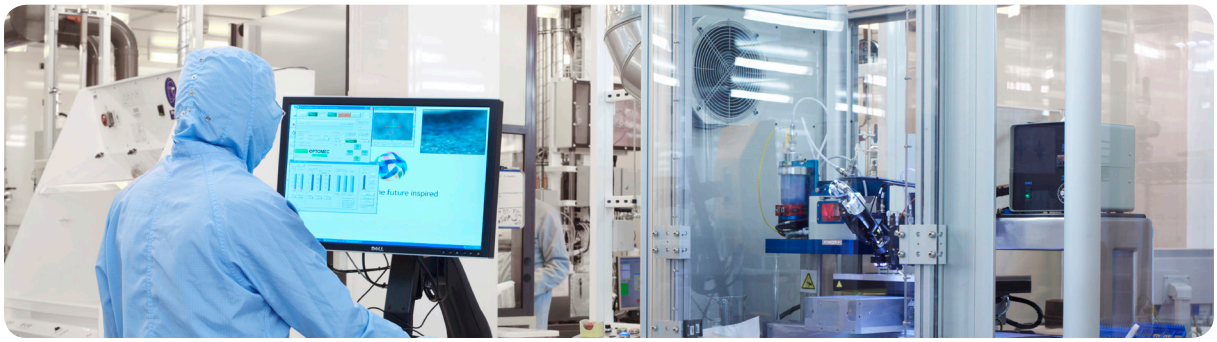
Printable Electronics
Case Study

cpi ...the future inspired

APPLES Project



A consortium of CPI, GlaxoSmithKline, Green Biologics, and Stratophase, The APPLES project is developing a cost-effective, multi-parametric sensor system for increasing the efficiency of high-value liquid based production processes. The project sets out to maximise yield and minimise waste within high value manufacturing processes.

Achievements

CPI is working within a consortium of GlaxoSmithKline (GSK) and Green Biologics, led by Stratophase (VC-funded spin-out from the University of Southampton), which is developing a cost-effective, multi-parametric sensor system for increasing the efficiency of high-value liquid based production processes. The £1.2m APPLES (Advanced Process and Production Light Enabled Sensors) project is funded with assistance from the UK government-sponsored Technology Strategy Board.

The project sets out to maximise yield and minimise waste within high value manufacturing processes. This is achieved through a better understanding of real-time processes, thus enabling GSK, Green Biologics and CPI to enhance their ability to develop, and scale up, both existing and novel biofuel and active pharmaceutical ingredient production processes. The consortium is producing and validating a sensor system capable of monitoring multiple parameters in liquids both non-disruptively and in-line throughout the production cycle to provide superior economical benefit and clear environmental dividends.

> "The CPI team are expert in the field of advanced processes, functional materials, low carbon energy and printable electronics – and they were more than willing to share that expertise with us as a client. The professionals at CPI have been extremely knowledgeable but also practical. They've worked in a flexible manner, with a positive attitude, and a customer orientation that is much talked about - but not commonly found - in today's commerce and industry."
>
> - Tata Steel Colors' Business Development Director, **Kevin Bygate**