

Innovation Voucher Case Study

ADC BioScientific

The business need

ADC BioScientific design, manufacture and sell scientific instruments for plant science research. Rising demands for sustainable food and fuel for the future are putting increasing pressure on scientists and breeders; this prompted ADC to develop a novel leaf chamber for plant phenotyping in partnership with Essex, to keep pace with the advances made in genomics.

The expertise

Through the Innovation Voucher ADC BioScientific accessed the expertise of Professor Tracy Lawson, Research Group Convenor of the Plant Productivity Group who provided supervision sessions and workshops on how to develop the leaf chamber.

The voucher helped to design and develop a prototype leaf gas exchange chamber for use on plants that aims to provide a cost-effective method for conducting gas exchange measurements on multiple plants.

Follow on collaboration

ADC BioScientific and the University of Essex were successful in obtaining funding for an Innovate UK funded Knowledge Transfer Partnership (KTP). In collaboration with academics from the department of Biological Sciences, the two year project hopes to develop an automated multi-channel gas exchange system capable of measuring plant photosynthesis.

Ready cash to stimulate growth

You can use Innovation Vouchers to fund any innovative project that involves accessing our expertise. All projects must be delivered by the University of Essex and should result in innovation that will help stimulate business growth or unlock new opportunities. Our Innovation Voucher scheme does not support existing business activities, functions, or capital items, but consumables may be included.