

**JOB DESCRIPTION**

**Vacancy Ref: A1896-R**

<b>Job Title:</b> KTP Associate - Electrochemical Sensors	<b>Present Grade:</b> 6
<b>Department/College:</b> Department of Chemistry	
<b>Directly responsible to:</b> Professor Peter Fielden / Dr Nick Evans	
<b>Supervisory responsibility for:</b> n/a	
<b>Other contacts</b>	
<p><b>Internal:</b>  <i>University:</i> Staff and postgraduate students of the Department, Research &amp; Enterprise Services staff concerning KTP and relations between the University and Process Instruments.  <i>Process Instruments:</i> Staff and senior management team</p> <p><b>External:</b>            Compact Instruments Ltd: Key stakeholders, customers; Regional KTP Adviser</p>	
<p><b>Major Duties:</b>            The Associate for the Knowledge Transfer Partnership will drive and lead a three-year project which aims to develop a new range of commercial measurement systems to monitor and control the water quality in both domestic and commercial aquariums. This will be achieved through prototype evaluation, design optimization, and development of a manufacturing scheme to deliver systems that will appeal to the customer base of CI.</p> <p><b>Key Responsibilities</b>            Under the supervision of academics from the Department of Chemistry and the senior management team at CI, the Associate will:</p> <ul style="list-style-type: none"> <li>• Evaluate the commercial potential of the proposed aquarium sensor probes.</li> <li>• Design and maintain a test rig to evaluate prototype sensor designs.</li> <li>• Develop and evaluate sensor electrode designs.</li> <li>• Complete training in measurement and diagnostic techniques.</li> <li>• Develop a manufacturing facility for testing prototypes.</li> <li>• Develop pre-production prototypes to direct feasible manufacturing routes.</li> <li>• Manage a field evaluation programme to test the new technology in a real sample environment.</li> <li>• Support the product launch through preparation of technical and marketing literature.</li> <li>• Disseminate the project through patents, journals and presentations.</li> <li>• Ensure that the new capacity is embedded within the company, overseeing training for CI employees and development of marketing information for discussions with commercial partners.</li> <li>• Actively manage a personal development plan and commit to any training required for the project.</li> <li>• Manage the KTP project including maintenance of project plans, and organization of project-related meetings.</li> <li>• Liaise between CI and the academic team.</li> <li>• Occasionally at the request of supervisors, perform other duties which are not included above, but which will be consistent with the role.</li> </ul>	