


<p>Company Name and Contact Details:</p>	 <p>Auckland UniServices Limited</p>
<p>Auckland UniServices Limited Keith Jones - Business Manager http://www.uniservices.co.nz k.jones@auckland.ac.nz +64 (9) 373 7522</p>	<p>Core Skill(s):</p>
<p>Auckland UniServices Limited is the commercialization company of the University of Auckland. It was formed in 1988 to satisfy the needs of the University for an organization to manage the increasing amount of research and consulting being undertaken by University staff for industry and also to commercialize inventions by academic staff.</p>	<ul style="list-style-type: none"> • Production technology • Engine testing and design
<p>UniServices currently manages around 2500 projects at any one time, and undertook over 500 new projects for the Engineering sector in 2008. Total revenues in 2008 exceeded \$100 million.</p>	<p>Biofuel Focus:</p> <ul style="list-style-type: none"> • 1st, 2nd and 3rd generation focus • bioethanol and biodiesel
<p>The University's /UniServices main activities in the biofuels area have been on biodiesel production techniques and in the testing of biofuelled engines, both ethanol and biodiesel.</p>	<p>Core Product/Activity:</p> <ul style="list-style-type: none"> • Biodiesel production techniques (1st generation) • Biofuel performance (engine) testing
<p>As part of a student PhD project in the Department of Chemical and Materials Engineering project a novel process for biodiesel production from tallow has been developed and patented. This process is continuous and much faster and more efficient than conventional batch processes. It is applicable to any fat or oil feedstock.</p>	<p>Key Project Activities:</p>
<p>The University has the most comprehensive testing and research facilities in NZ for measuring engine performance and exhaust emissions and studying combustion characteristics. It was responsible for the recent study by the Ministry of Transport leading to the introduction of the Land Transport Rule on vehicle exhaust emissions.</p>	<p>Leading Edge:</p> <p><i>In keeping with University goals the intent of activity in the biofuels area is to be at the forefront of research.</i></p> <p><i>Developed technology and other capabilities will be made available to NZ industry to maximize the efficient use of biofuels in NZ.</i></p>
<p>Extensive studies have also been undertaken for both central and local government agencies on the effects of biofuel blends on exhaust emissions. Subject to funding being obtained, research is planned on particulates from biodiesel, studying sizes, composition and health effects.</p>	<p>Investment Base:</p> <p>n/aA</p>
<p>A newly established group in the biotechnology area, the Centre for Microbial Innovation, is planning to undertake research into 2nd and 3rd generation biofuels.</p>	<p>Employees:</p> <ul style="list-style-type: none"> • 750, mostly degree level and above.
	<p>Production Capacity</p> <p>n/a</p>