



## POSITION DESCRIPTION

POSITION DETAILS			
<b>Position Title:</b>	Summer Intern – Research & Innovation (Static Equipment)	<b>Date:</b>	July 2025
<b>Division (Country):</b>	New Zealand	<b>Approved By (Title):</b>	VP-Reliability & Asset integrity
<b>Primary Location (Site):</b>	Motunui	<b>Reports To (Title):</b>	Global Consultant, Static Equipment
<b>Department:</b>	Global Manufacturing	<b>Direct Reports:</b>	Not Applicable

METHANEX NEW ZEALAND
<p>Methanex New Zealand Limited is the country's only methanol manufacturer in Taranaki and is a wholly owned subsidiary of Canadian-based Methanex Corporation. About 95 per cent of our product is exported to the Asia Pacific region, making the company a leading exporter for New Zealand.</p> <p>Methanol manufacturing is a three-stage process – Reforming, Compression/Conversion and Distillation. Methanol is everywhere – the paint on the walls, the polyester and nylon in carpets and furniture, plastics, silicone sealants all of these and more are derived from methanol.</p>

POSITION PURPOSE
<p>To advance front-end research and development in heat exchanger technologies, with a focus on optimising cleaning methods, inspection techniques, and strategies for repair and replacement to enhance operational efficiency and asset longevity.</p>

DUTIES AND RESPONSIBILITIES		
KEY ACCOUNTABILITIES AND RESULTS /DELIVERABLES		
<ul style="list-style-type: none"> <li>• Review and research existing Methanex practices for cleaning and inspection of heat exchanger tubes</li> <li>• Identify opportunities for rationalisation at sites</li> <li>• Research current state of the art methodologies on heat exchanger inspection and cleaning to ensure Methanex is leveraging best available technology</li> <li>• Establish effectiveness of existing Methanex practice and opportunities for improvements</li> <li>• Develop matrix of suitable inspection technologies for different tube metallurgies and ranking of preference/effectiveness (leverage existing guidance)</li> <li>• Develop tube bundle replacement strategy for heat exchangers</li> </ul>		

LEADERSHIP		
(The shaded box indicates which Leadership apply to the position)		
Coordinates	Supervises	Manages
Guides work of others who perform essentially the same work. May organize, set priorities, schedule and review work, but has little to no responsibility to hire, terminate, review performance or make pay decisions.	Supervises work of others, including planning, assigning and scheduling work, reviewing work and ensuring quality standards, training staff and overseeing their productivity. May offer recommendations for hiring, termination and pay adjustments, but does not have responsibility for making these decisions.	Supervises work of others, including planning, assigning, scheduling and reviewing work, ensuring quality standards. Is responsible for hiring, terminating, training and developing, reviewing performance and administering corrective action for staff.

METHANEX CORE COMPETENCIES		
(The shaded box indicates which Methanex Core Competencies apply to the position)		
Individual Contributor	Managers, Supervisors, or Senior Individual Contributors	Senior Manager or Leader
Decision Quality Peer Relationships Drive for Results Self-Development Customer Focus Cross-Cultural Sensitivity	Dealing with Ambiguity Organisational Agility Developing Direct Reports and Others Managerial Courage Planning Cross-Cultural Agility	Strategic Agility Building Effective Teams Managing Vision and Purpose Motivating Others Sizing up People Global Business Knowledge

VISION AND VALUES	
<b>Methanex Vision and Values</b>	<p>Contributes to the organisational vision of Global Methanol Leadership and as a team member demonstrates the core values of integrity, trust, respect, professionalism and teamwork</p> <p>Undertakes all aspects of the role through living the Methanex values</p> <p>Demonstrated through feedback from team and leaders</p>
<b>Responsible Care</b>	Conducts all business in a manner which supports the Responsible Care® ethic

HEALTH AND SAFETY BEHAVIOURS			
(The shaded box indicates which Health and Safety Behaviours apply to the position)			
Topic	Everyone	Supervisors	Managers
<b>Standards</b>	Follow rules	Deliver health and safety excellence	Set high standards
<b>Communication</b>	Speak up	Encourage the team	Communicate openly
<b>Risk Management</b>	Be mindful	Promote risk awareness	Confront risk
<b>Involvement</b>	Get involved	Involve the team	Involve the workforce

POSITION SPECIFIC COMPETENCIES
<ul style="list-style-type: none"> <li>• Decision Making</li> <li>• Strong software and coding skills</li> <li>• Analytical and research experience</li> <li>• Results driven, and goal orientated</li> <li>• Well organised</li> <li>• Communicates well within own group and other departments</li> <li>• Excellent written and verbal communication skills</li> <li>• Attention to detail</li> <li>• Ability to pick up and learn new programming languages</li> </ul>

KEY WORKING RELATIONSHIPS (Internal and External)
<ul style="list-style-type: none"> <li>• Global Static Equipment Team</li> <li>• Operations Department</li> </ul>

KNOWLEDGE, SKILLS AND EXPERIENCE
<ul style="list-style-type: none"><li>Completed 2<sup>nd</sup> or 3<sup>rd</sup> Year of Mechanical Engineering Degree</li></ul>



OTHER BACKGROUND INFORMATION
<ul style="list-style-type: none"><li>Available transport to Methanex site in Motunui required (public transport is not available)</li></ul>