

<b>Position Title:</b>	Senior Design Engineer
<b>Reports To:</b>	Lead Design Engineer
<b>Direct Reports:</b>	Nil
<b>Key Relationships:</b>	Design & Engineering Manager, Lead Design Engineer, Power Design Team, Customer Solutions team and Service delivery team, internal and external relationships such as Network contacts/industry partners
<b>Primary Location:</b>	Christchurch
<b>Status:</b>	Permanent, Full time
<b>Version Date:</b>	Sept 2022

## 1.0 Our Organisational Profile

Connetics is a multi-disciplined, multi-regional electrical distribution construction, and maintenance business. We maintain and develop electrical and utilities infrastructure assets for power networks, councils and private entities operating in a highly competitive contracting market. Connetics is a wholly owned subsidiary of Orion NZ Ltd (a Christchurch City Holdings Limited company) which operates within an Orion group ecosystem as the electricity distribution services unit, with an Integrated Leadership Team representing the wider Group context.

Connetics has a current turnover of approximately \$100 million, employing approximately 400 people across branches in Wellington, Central Otago, Westport, Paraparaumu as well as our head office and depots in Christchurch.

## 2.0 Our Strategic Context

Our Orion Group Purpose of **Powering a cleaner and brighter future** captures the contribution we want to make to the wellbeing and prosperity of our communities. Recognising we are in the midst of radical disruption in the energy sector and due to the climate change crisis, we challenged ourselves to consider how we need to adapt, remain relevant and proactively harness opportunities in the fast-evolving energy landscape. We developed our new Group Strategy to respond to the challenges facing our industry and New Zealand, and to position the Orion Group for a new, purpose-led future.

As Orion's contracting subsidiary, Connetics' core business is the design, construction and maintenance of overhead and underground power lines and associated equipment. Specialists in electrical distribution, we support Orion with the design and build expertise to maintain and develop their network. We also provide these services to other electricity distribution businesses around New Zealand and are focused on innovating, designing and delivering energy products and services for our customers. Our Purpose **Delivering energy solutions that enable others to power a cleaner and brighter future for Aotearoa** encapsulates our role within the Orion Group Strategy.

## Connetics' strategic focus areas:

**Growth:** To focus on growth through new customers or new products and services to current customers

**Optimisation:** To deliver smart and efficient processes to make us faster and improve our Operating Model

**Digital:** Deliver the digital services to our stakeholders (customers/employees) that they need to be successful

**Culture:** Deliver an engaged, welcoming, supportive, inclusive high-performance culture

## 3.0 Your Position Purpose

Reporting directly to the Lead Design Engineer, the position of Senior Design Engineer provides experienced design, project management and consulting services to Connetics customers in the field of electrical distribution network design. This role also provides technical support to the Power design team and Service Delivery team in individual's area of expertise.

## 4.0 Key Accountabilities

<p>Engineering Design Work</p>	<p>Prepare power engineering designs that provide quality customer outcomes and meet project specifications.</p> <p>Key tasks:</p> <ul style="list-style-type: none"> <li>• Complete assigned design works to customer requirements, at all times aiming for the best outcomes for the customer.</li> <li>• Complete design projects in accordance with project specifications, statutory, regulatory requirements and Connetics policies, standards and procedures.</li> <li>• Consult with customers, local authorities, utility providers and other third parties to ensure that design proposals do not conflict with their interests.</li> <li>• Provide advice to customers to enhance or provide alternative solutions.</li> <li>• Prepare contract documentation for customers.</li> <li>• Provide cost estimates / price jobs for projects as required.</li> <li>• Invoice upon milestones.</li> <li>• Ensure all variations are well documented and claimed.</li> <li>• Ensuring all communications are well documented in job folder.</li> <li>• Ensuring completion documents are accurate and are signed off in a timely manner.</li> <li>• Ensure the delivery of safety in design.</li> </ul>
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<p><b>Project Support Management / Consultancy</b></p>	<p>Project manage customer projects</p> <p>Key tasks:</p> <ul style="list-style-type: none"> <li>• Plan, coordinate customer projects in terms of timing, staging, budget requirements and future developments</li> <li>• Ensure that the delivery of the project is on time, in line with the agreed budget and quality standards, and to customer specifications</li> <li>• Provide a consultancy service to customers offering recommendations and direction where needed.</li> <li>• Liaise with customers and other relevant parties to provide timely support for design estimations, pricing and variations.</li> <li>• Price projects as required.</li> <li>• Invoice work upon milestones.</li> <li>• Ensure all variations are well documented and claimed.</li> <li>• Ensuring all communications are well documented in job folder.</li> <li>• Ensuring completion documents are accurate and are signed off in a timely manner.</li> </ul> <p>Keep abreast of relevant technical developments.</p>
<p><b>Health &amp; Safety</b></p>	<ul style="list-style-type: none"> <li>▪ Model the expected Health, Safety and Environment behaviours for Connetics.</li> <li>▪ Ensure compliance with Health and Safety legislation at all times for self and your team.</li> <li>▪ Proactively identify and eliminate hazards and contribute to the work environment to ensure safety measures are in place, compliant and operational.</li> <li>▪ Keep yourself safe and follow all processes in the Connetics H&amp;S system, providing feedback on any improvements that can be made.</li> <li>▪ Support Connetics to provide an emergency response in emergencies and adverse events including weather events. In most situations this will be normal work but may include secondment to different teams and/or different tasks and potentially different locations suited to the individual's ability and circumstances to enable the provision of comprehensive support to customers and communities.</li> </ul>
<p><b>Customer Service</b></p>	<p>Take ownership of all customer interactions, providing an excellent customer service experience for all interactions.</p> <p>Key tasks:</p> <ul style="list-style-type: none"> <li>• Keep customers well informed of progress and issues with projects.</li> <li>• Negotiate timeframes with customer for completion of work.</li> <li>• Maintaining a high level of customer satisfaction as well as developing and maintaining a quality respectable reputation.</li> </ul>

	<p>Ensure customer information is appropriately shared with relevant Connetics staff.</p>
<b>Technical Advice</b>	<ul style="list-style-type: none"> <li>▪ Provide technical expertise to Power Design and Service Delivery teams in relevant areas of expertise.</li> </ul>
<b>Emergency Response in Adverse Events</b>	<ul style="list-style-type: none"> <li>▪ Support Connetics to provide an emergency response in emergencies and adverse events including weather events. In most situations this will be normal work but may include secondment to different teams and / or different tasks and potentially different locations suited to the individual's ability and circumstances to enable the provision of comprehensive support to customers and communities.</li> </ul>
<b>Compliance</b>	<ul style="list-style-type: none"> <li>▪ Ensure all technical equipment is compliant and replaced when required</li> <li>▪ Complete all documentation to compliance standards</li> <li>▪ Follow correct specifications and work and safety procedures</li> <li>▪ Ensure all job documentation is completed</li> <li>▪ Comply with all Connetics and Government legislative policies, procedures, regulations and Acts at all times including when travelling outside the region for the purpose of conducting or completing work</li> </ul>
<b>Continuous improvement</b>	<ul style="list-style-type: none"> <li>▪ Strong focus on identifying and suggesting ways to improve practices and processes that are hampering the smooth operation of the day to day running of the business.</li> </ul>
<b>Team Work and Support</b>	<ul style="list-style-type: none"> <li>▪ Demonstrate collaborative and inclusive personal leadership, leading as a host and empowering others to perform by providing advice, support and assistance as needed.</li> <li>▪ Role model expected behaviours and lead by example, proactively championing our values, mission and company/business unit initiatives</li> <li>▪ Always act for the good of Connetics and in full support of the Connetics goals.</li> <li>▪ Foster and develop effective relationships with team members and all other internal and external customers.</li> <li>▪ Foster and support a learning environment within the immediate team and wider Connetics team by: <ul style="list-style-type: none"> <li>▪ sharing technical knowledge and expertise.</li> <li>▪ providing training to staff as required.</li> <li>▪ sharing relevant customer knowledge to enhance customer service</li> </ul> </li> </ul>

## 5.0 Your Qualification and Experience

Qualifications / Experience	Essential	Desirable
Diploma or NZCE Electrical (or equivalent)	✓	
Relevant professional qualification or professional level membership (e.g., IPENZ, CpENG, ME, REA, MIENZ)	✓	
Bachelor of Engineering (electrical)		✓
Extensive experience as a design engineer with specialised knowledge in substation and protection	✓	
Experience in Safety in Design	✓	
Sound knowledge of SEL, Micom and other relay brands	✓	
Substation protection commissioning experience		✓
Relevant network operating certificates and competencies	✓	
Current drivers' licence	✓	
Computer and technology literate, advance user of Microsoft Office Suite, CAD	✓	
Extensive experience in project management and contract negotiation, including tenders, quotations and compliance	✓	
Experience in peer reviewing	✓	
Diploma or NZCE Electrical (or equivalent)	✓	

## Appendix 1 – Orion Group Strategy



## Appendix 2

