

# Student Researcher with LINQ – Summer 2022-2023

## Help to create a low carbon planet!

# 1 Your Opportunity to Contribute to a Lower Carbon Planet!

Supported by a Callaghan Innovation Student Experience Grant, LINQ has an exciting position for a research student over the summer break. You can help to save the planet!

LINQ is used by organisations to determine the impact of change or transformation before investment is made in implementing the change. Using the Digital Twin of the Organisation, LINQ models an organisations current and future state operating models and delivers data-driven, evidence-based insights to support decision making.

Organisations using LINQ head into change and transformation projects and programmes of work with the confidence that the outcome will deliver increased business value.

We are always looking to develop new capabilities which make the change process even easier for business leaders. Our latest investigations have shown that adding Carbon Footprint and Energy Utilisation as an insight into LINQ will help businesses move carbon analysis into every change decision that is made.

We need to undertake more research as part of our on-going development work.

The student role in LINQ is to assist in research and proof of concept development for this carbon emission insight which will be developed into the LINQ platform. The work is primarily research based; assisting in finding and authenticating emissions data, helping to develop a methodology for its inclusion into the platform, understanding industry and regulatory requirements and assisting in the on-going development for a Proof of Concept.

## 2 Research Outcomes

We have 4 outcomes that we are interested in achieving:

### 2.1 Priority 1 - Emission Data Research

- What Scope 3 data is available? Identify and validate authoritative sources of content
- What Scope 2 data is available? Identify and validate authoritative sources of content
- What are the options and requirements for creating our own catalogue of relevant data
- What are the options and requirements for connecting to existing catalogues of data
- Help to define a methodology which accounts for Scope 3 emissions in an activity-based costing model
  - Liaise with industry experts to validate this methodology

### 2.2 Priority 2 - Contribute to a LINQ Proof of Concept

- Assist in the on-going development of an Excel based Proof of Concept
- Export data from LINQ and drop into an Excel based POC
  - Ensure this is repeatable using current state and future state data
- Define what data needs to be captured in LINQ to power this insight
  - Define any changes needed to attributes on LINQ nodes to support a platform based insight
  - Define any changes needed to the LINQ Language to support a platform-based insight

Undertake testing of the platform based on current and new capabilities being developed to support the Carbon Insight

## 2.3 Priority 3 - Emission Reporting

- Define the requirements to meet current emissions reporting standards
- Define any industry-specific requirements for reporting
  - Finance
  - Healthcare
  - Insurance
  - Transportation
  - Defence
  - Government
- Investigate options for providing access to LINQ captured data for use in external reports through a LINQ developed API

## 2.4 Priority 4 - Regulatory Assessment

- What are the expectations for regulation in this area moving forward?
- Any industry specific requirements
  - Finance
  - Healthcare
  - Insurance
  - Transportation
  - Defence
  - Government
- Identify any introductions or changes to laws which are coming that we must account for, Domestic and International

# 3 About You

To be considered for this role, you must meet the criteria set by Callaghan Innovation. You, the student:

- a) is studying Science, Technology, Engineering, Design or Business at a New Zealand tertiary education institution
- b) is studying at NZQA level 7-10; Doctoral Degree; Master's Degree; Bachelor's Degree; Bachelor Honours Degree; Graduate Diploma; Graduate Certificate; Postgraduate Certificate, Postgraduate Diploma
- c) or if study has been completed, then the student must have been studying towards one of the qualification types listed in clause (b) above, and the closing date of the last semester must be less than 12 months ago
- d) has the appropriate immigration status to work in New Zealand
- e) has not been previously employed by LINQ in a full-time position, and
- f) has not undertaken more than two Experience Grant internships with LINQ.

In addition, we are looking for these characteristics:

- a) *Have a curious and confident personality.* You will be a competent communicator, happy to talk with people internal to LINQ and external from LINQ including LINQ clients and subject matter experts. Your outwards appearance will be appropriate to be considered business casual. Climate change, the impact it is having and a desire to contribute to a solution should be a passion of yours.

- b) *Be diligent in your approach.* The outcomes we are looking for will require good notetaking and presentation of findings so that the knowledge gained can be shared and used by the team as the platform is developed. You will have good written and spoken word skills.
- c) *Be technically competent.* You will be able to use the Office 365 suite of products, in particular Outlook, Word, Excel and PowerPoint. You will be comfortable meeting on Teams or Zoom. You will be happy to look into the LINQ platform so that you can understand how carbon and energy data will be incorporated into our insights.

## 4 Other Information

LINQ is a home-based organisation so you will be expected to be able to work from home and meet on-line regularly. Depending upon your location, face-to-face meetings will be held. For example, if in Wellington, we will meet in the BNZ Partner Centre at 1 Victoria Street for updates.

We will provide you with a laptop and all software required to undertake this work.

The employment is full time for 10 weeks, 40 hours per week.

Your gross salary will be \$25 per hour, paid fortnightly through the LINQ payroll system.

## 5 About LINQ

LINQ is a SaaS platform developer and consultancy business operating in New Zealand, Australia, and the United States. LINQ is located in Wellington, New Zealand and has been in business since November 2011.

LINQs software is used by organisations in Healthcare, the Utilities sector, Defence and Government to support decision making where the impact of change needs to be understood before any implementation work is committed to. There are case studies highlighting the impact this approach has on our website here: <https://www.linq.it/our-customers/#customer-case-studies>

## 6 The Application Process

We'd like to hear why you want this role. Tell us about yourself, your study, how this experience will help you and what you will get from it. We aren't prescriptive about a format so send in whatever makes sense to you!

Email [neil.calvert@linq.it](mailto:neil.calvert@linq.it) with your application or to request more information.