

# Position Description

<b>Position title:</b>	Senior DSO Planning & Systems Engineer
<b>Reports to:</b>	DSO Planning and Systems Manager
<b>Business unit:</b>	Electricity Networks
<b>Employment category:</b>	Contract (Employment Agreement)

## About United Energy

As an electricity distribution company we provide safe, reliable and affordable power to 700,000 Victorians in Melbourne's east and south eastern suburbs and the Mornington Peninsula.

We use our network of poles, wires and infrastructure to bring power to homes and businesses across almost 65% of Victoria — that's more than 120,000 kilometres of wires and 850,000 poles.

But we do so much more than manage poles and wires. We're also the gateway to a clean energy future, dedicated to finding solutions and harnessing new technology to benefit our customers, communities and the environment. This includes industry leading projects in community batteries, demand management, smart charging for electric vehicles (EVs) and microgrids.

And as more customers choose solar, batteries, EVs and smart appliances — the electricity system is becoming increasingly complex, and so too is the level of innovation required to manage it. That's where you come in.

## About the Electricity Networks team you'll be part of

The Electricity Networks team is responsible for the efficient and effective management of our electricity distribution networks and assets. They do this through developing engineering standards, asset strategies and long-term views of the network, network planning, investing in future network technology, asset maintenance planning, network safety and compliance management and bushfire mitigation strategies.

## Our core values



**Live safely**



**Improve our business**



**Be customer and community minded**



**Be the best you can be**



**Succeed together**

## Purpose of the position

The Senior DSO Planning & Systems Engineer is responsible for the development of capabilities and optimisation of DER integration and our DER Management Systems (DERMS) needed to deliver our Distribution System Operator (DSO) responsibilities and commitments for CitiPower, Powercor and United Energy. This shall include but are not limited to the development of a DER integration and DSO systems roadmaps needed to deliver cost effective solutions, the development of pilot initiatives and trials designed to transition to BAU, collaborating internally to develop business positions and capability on DSO responsibilities, developing responses to rule changes and participating in technical forums to positively influence industry developments related to DSO Planning and Systems.

## Your key responsibilities

### **Define and facilitate the DER integration and DSO functionality required on our distribution networks.**

- The development of our Distributed Energy Resource (DER) integration roadmap.
- Contribute to the development of internal business positions and responses to regulatory policy changes, national alignment or other activities relating to DER integration.
- Engage with internal stakeholders and provide inputs into new DER Integration and DSO requirements and responsibilities.
- Define DSO and related capability requirements for our business.
- Formulate and implement trials to support our DER integration roadmap, like solar flexible exports and imports.
- Engage with industry participants and shape policies, regulations and technical standards (i.e. CSIP-AUS) on DER integration that are beneficial to our business and customers.
- Develop and update as needed our policies, strategies and procedures for our DER Integration and DSO functions, working with teams across our business to define roles and responsibilities.
- Contribute to the EDPR submission to secure funding for our DER integration and DSO related systems and functions.

### **Develop our DSO and DERMS systems capability.**

- Develop our DSO and DERMS systems and capabilities, working closely with IT and OT teams, to ensure the safe, secure and compliant operation of our distribution systems.
- Phase the development of our DSO and DERMS systems to meet our obligations and commitments, introducing additional functionality and complexity as needed, and delivering cost effective solutions.
- Participate in industry forums and working groups to positively influence industry standards and approaches for DSO and DERMS systems, for the benefit of our customers, stakeholders and our business.
- Facilitate enhancements to DSO and DERMS systems as required by stakeholders.
- Provide DSO and DERMS technical support and direction to our internal and external stakeholders.

### **Develop Integrated Network Management System (INMS) documentation relating to DER integration and DSO capabilities.**

- Establish and maintain strategies and framework related to our DER integration and DSO capabilities including but not limited to minimum demand security requirements, Home Energy Management Systems (HEMS) and EV integration.
- Assist in the development of strategies and procedures for managing system security events, including for minimum system demand, generation shortfall, localised network constraints and power quality issues.
- Provide inputs into a DSO and DERMS projects pipeline.

**Collaborate internally and externally on developments occurring across the vendor, technology and peer network landscape for DER Integration and DERMS systems.**

- Stay abreast of vendor solution and capability developments related to DER Integration and DERMS systems in Australia and overseas.
- Stay abreast of DER Integration and DERMS trials and developments in Australia and overseas.
- Prepare high quality presentations and reports for internal stakeholders. Present and share insights with relevant internal technical, regulatory, and strategic forums.
- Support the Manager of DSO Planning and Systems on business imperatives and collaboration.

**Take on leadership responsibilities.**

- Supervise and train other Engineer(s) in the DSO Planning and Systems team.
- Supervise, mentor and train other engineers, graduate engineers and vacation students in the DSO and DER Integration team from time to time.
- Act in role of head of DSO Planning and Systems team from time to time.

## What you'll bring to the business

### Education / Qualifications:

- Tertiary qualifications in an engineering discipline or other relevant discipline.
- National Engineering Register (NER) certification (registered in Victoria).

### Knowledge:

- Detailed knowledge of the electricity industry, specifically regulated electricity networks, with an understanding of the related DER and DER Integration standards, codes, practices, and regulations.
- Sound knowledge of the electrical industry, including technical and economic regulation.
- Understanding of DER Integration & DERMS systems building blocks and requirements.
- Analytical skills to assess strategy, tactics and plans to achieve performance outcomes.
- Sound knowledge of network planning, power systems analysis, power quality, economic analysis, investment decision making, and comparative assessment of capital with operating cost solutions.
- Analytical and problem-solving skills to assess and address complex technical, strategic, or regulatory issues.
- Technical engineering knowledge in power distribution electrical plant and equipment.
- Highly developed presentation skills, interpersonal and communication skills, including demonstrated change management skills.
- Problem-solving and decision-making abilities with an analytic mindset to make data-driven decisions.

### Experience:

- Proven experience developing innovative solutions in an energy or technology environment.
- Experience in an electricity industry business.
- Experience in DER integration standards (i.e. CSIP-AUS), cyber security requirements and DERMS system architecture (Desirable).
- Experience in network planning for electricity distribution or transmission systems (Desirable).
- Experience in managing complex data sets, analysing and distilling key trends, identifying root causes and identify areas for improvement.
- Proven ability to build and maintain positive relationships with staff, peers and senior management.
- Demonstrated experience in the field of DER with an understanding of the issues, technology and developments within the field for electricity networks.
- Experience in strategic thinking and communicating concepts or ideas clearly at a senior level.
- Skill as a strategic thinker with demonstrated experience in analysing and assessing strategy, tactics and plans to achieve outcomes.
- Experience in cross-functional collaboration including across finance, operations and engineering disciplines.
- Experience in responding to electrical industry reviews and rule changes (Desirable).
- Well-developed industry collaboration, influencing and advocacy skills.
- Demonstrated advanced engineering experience in asset management of power utility distribution electrical plant and equipment (Desirable).
- Experience in the management of power system tools (Desirable).

## The skills and competencies you'll have

### 'Thought' competencies (select 1-3 most important)

1. Business insight: Applying knowledge of business and the marketplace to advance the organisation's goals
2. Manages complexity: Making sense of complex, high quantity, and sometimes contradictory information to effectively solve problems
3. Strategic mindset: Seeing ahead to future possibilities and translating them into breakthrough strategies

### 'Result' competencies (select 1-3 most important)

1. Action oriented: Taking on new opportunities and tough challenges with a sense of urgency, high energy, and enthusiasm
2. Optimises work processes: Knowing the most effective and efficient processes to get things done, with a focus on continuous improvement
3. Ensures accountability: Holding self and others accountable to meet commitments

### 'People' competencies (select 1-3 most important)

1. Builds networks: Effectively building formal and informal relationship networks inside and outside the organisation
2. Communicates effectively: Developing and delivering multi-mode communications that convey a clear understanding of the unique needs of different audiences
3. Collaborates: Building partnerships and working collaboratively with others to meet shared objectives

### 'Self' competencies (select 1-3 most important)

1. Manages ambiguity: Operating effectively, even when things are not certain or the way forward is not clear
2. Self-development: Actively seeking new ways to grow and be challenged using both formal and informal development channels
3. Situational adaptability: Adapting approach and demeanour in real time to match the shifting demands of different situations

## Key Stakeholders:

- Internal: Electricity Networks, IT, Regulatory and Customer and Strategy business units.
- External: Industry working groups, SMEs within relevant partner organisations (e.g. technology vendors, peer networks and regulatory bodies), Government bodies.

## Other relevant information

- Travel to other work locations / sites may be required.