



# Crisis in Power Engineering Education: A National Security Concern Minneapolis, MN October 21-22, 2022



## Ulteig Engineers, Inc.

### ULTEIG LIFELINE SECTORS:

Power

Renewables

Transportation

Water

### Ulteig Background

- In 1944 Melvin Ulteig started lighting things up through his vision to bring electricity to the Upper Midwest
- 4 Lifeline Sectors® – Power, Renewables, Transportation & Water
- 6 service disciplines: land services, environmental, planning and studies, design and engineering, project delivery services & asset management.
- 13 locations
- Over 900 employee-owners (about 250 remote and everyone has option to work at home or a nearby office)
- 1,800 projects per year
- Numerous employer awards: Star Tribune Top Workplace (8<sup>th</sup> consecutive year)



### Power and Energy Focus

Ulteig operates on the cutting edge of grid operation. We understand the complexities involved to deliver power reliably to utility customers today and have the strategic foresight to know what will be required tomorrow. Power infrastructure improvements and network expansion include:

- Utility substations
- Transmission upgrades/expansion
- Electrical interconnection studies
- Solar farm design
- Battery energy storage system design
- Wind energy development engineering/planning



### Power and Energy Talent Base

We seek diverse backgrounds, empower all voices, and value all perspectives.

- 115+ civil employees
- 245+ substation employees
- 145+ T&D employees
- 75+ automation, integration & system protection employees
- 155+ project management & field service employees
- 300 licensed PEs
- Approximately 10 PhDs

### Salary and Benefits for EE\*

- Solar Engineering Supervisor: \$112k
- Lead Interconnection Electrical Engineer: \$135k
- Energy Market Modeling Engineer: \$135k
- Solar-Electrical Project Engineer: \$112k
- Substation Design EE: \$80.5k
- Graduate Electrical Engineer - Relay Settings/SCADA: \$72-80k
- Summer 2023 Grid Modernization Electrical Engineer Intern: \$23/hour  
\*mid-range salaries
- Employee Stock Ownership Option
- 401K match
- PTO
- Life Insurance
- Mental Health, Dental & Vision Coverage
- Parental Leave
- Pet Insurance

### Growth and Hiring

**Growth Opportunity**-Through a variety of development pathways, processes and tools, our integrated approach to learning and development helps our people reach their full career potential and drive high performance business results. Ulteig also supports a healthy work-life balance and **supports remote work** whenever possible.

**Diverse Development**-Whether it's on-the-job learning, formal training, team projects, professional associations, regular performance feedback, coaching and mentoring, or stretch assignments, **your development with Ulteig is covered!**