



# Future Needs of the Energy Workforce



Electricity demand, extreme weather and new skill requirements are putting pressure on the power engineering workforce. Insights from IEEE Power & Energy Society (PES) reveal that action is needed now to design and deliver the electric grid of tomorrow.

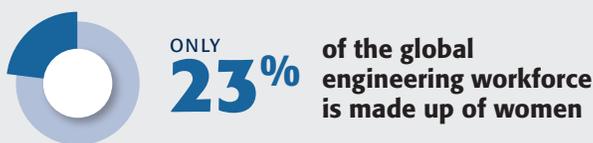
## Looming Shortage

By 2030, the world will need between

# 450K - 1.5M

more power engineers

## Pipeline Pressures



## Future Outlook Sector-Wide Solutions

- Upskill for future needs
- Harness emerging technologies
- Collaborate across sectors to expand pathways

## Top Emerging Skills



Artificial Intelligence



Cyber Security



Big Data Analytics

## Workplace Priorities



Engaging work



Compensation and benefits



Culture and relationships



Purpose and meaning



Work-life integration



Development opportunities