

## Guidelines for Abstract Submission:

### **“Pumped for Performance with Precision Under Pressure”**

In the South African energy landscape that demands flexibility and peak performance, we are the pulse, driving innovation with every beat. "Pumped for Performance" and "Precision Under Pressure" are mindsets that define us. We embrace the challenge of variability, master the art of rapid response, and optimise systems to provide power when the country needs us most. When the pressure's on and the stakes are high, precision is our superpower. This mindset celebrates the determination, intelligence, and composure that define us when the grid strains and performance cannot falter.

The Peaking Technologies Seminar serves as a premier platform to foster collaboration among leading power plant operators, technical professionals, academic scientists, researchers, and scholars, providing an opportunity to exchange ideas, share research results, and engage in meaningful discussions on advancements in hydro, gas and renewable technologies.

### ***Topics for submission***

Submissions are welcome from all engineering disciplines highlighting innovative approaches, research findings, and practical applications across the various energy technologies, with a strong emphasis on creating opportunities for learning and collaboration.

"We encourage submissions that look at, but are not limited to, the following topics:

#### **Power Plant Asset Management:**

- Technical Management
- Maintenance and Repair
- Risk Management
- Predictive Maintenance
- Data Management
- Lifecycle Management
- Retrofitting and Renovation
- Optimization

#### **Technological Advancements:**

- Digitalisation in the energy sector
- Smart Grids and Grid Management
- Renewable Energy Integration

## 2025 Eskom Peaking Technologies Seminar

21 - 22 October 2025

- Efficiency and Optimisation
- Cybersecurity
- Network and Grid expansion/integration
- Incorporation of AI technologies

### **Sustainability and Clean Energy Technologies:**

- Renewable Energy Transition
- Environmental Sustainability and Social Equity
- Renewable Energy Sources
- Energy Storage
- Emerging Technologies
- Benefits of Clean Energy Technologies and possible future challenges

### **Submitting your Abstract:**

Submit your abstract to - **refer to the abstract template for detailed Abstract's General Formatting Guidelines:**

Eskom: [MogaleMo@eskom.co.za](mailto:MogaleMo@eskom.co.za) (Morongwa Mogale)

*Remember, the readability, overall quality and presentation of your technical work are in your hands. Please take care to prepare a high-quality manuscript that will be an excellent contribution to the 2025 Eskom Peaking Technologies Seminar Proceedings.*