



POWER QUALITY (PTY) LTD

ARCHITECTURAL LIGHTNING PROTECTION



SEMINAR

Gain a deeper understanding of lightning and its consequences

Improving safety in structures: The architectural challenge lies in the aesthetic achievement integrated with the safety and engineering achievement/ accomplishment.

Risk Management: Your structure will get struck by lightning, it is a question of statistics as to how often that will occur. The consequences of that event are what you need to accommodate in the provision of a safe structure.

A brief course outline:

Session 1:

General Principles

- What is lightning, what dangers does it pose
- Lightning parameters and findings
- People and animals, the mechanism of shock
- The sources of damage
- Types of damage due to lightning
- Types of loss due to lightning
- Discriminating structures and services

Session 2:

Risk Management

- Economics of Lightning Protection.
- Definition of the risks such as:
 - Loss of Life
 - Loss of Service
 - Loss of Cultural Heritage
 - Loss of Economic Value

Session 3:

- Technologies in use:
- Protection Measures
- Protection Measures Services
- Lightning Protection Zones
- Separation Distances



R3500 ex vat

Session 4:

- The 5 components of LP systems.
- LP systems efficiencies
- Importance of integration
- Corrosion and its risks
- How to ensure quality of installation
- Testing & Maintenance

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