# effects of improper Earthing System





### SAFETY RISKS

\* Personal injury from electric shock caused by improper grounding can cause immeasurable human suffering and significant expense.

 Potential fire hazards exist when heat is generated from electrical surges that find a high resistance path to ground.

## What **covis** can assist?

**Covis Sdn Bhd** is a Specialist in Power Quality Engineering and we are a specialist engineering group providing expertise in all area relating to safe earthing systems and mission critical facilities.

Covis provides comprehensive service for:

- \* Designing New Eathing System
- \* Assessing Existing Earthing System Performance
- \* Lightning Protection Design and Audit
- \* Earthing System Testing and Commissioning

\* According to insurance industry data, improper grounding of communication systems leads to \$500 million per year of damage to property and/or equipment due to lightning.

\* Industry experts estimate that 27%-33% of damaged equipment in a user's facility is caused by electrostatic discharge. The component cost of repairing damaged equipment substantial for complex circuit boards,

\*According to the IEEE, the typical AC third prong ground is almost never sufficient to prevent damage to network equipment.

SECONDARY EQUIPMENT

\* Damage or operational interference (lightning & fault conditions)



Call Us For More Information-



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