REASON 2

TO MEET US AT ELECRAMA

JEF

STALL # H12 B3

EARTHING FOR RELIABILITY

IS LOW RESISTANCE ENOUGH?

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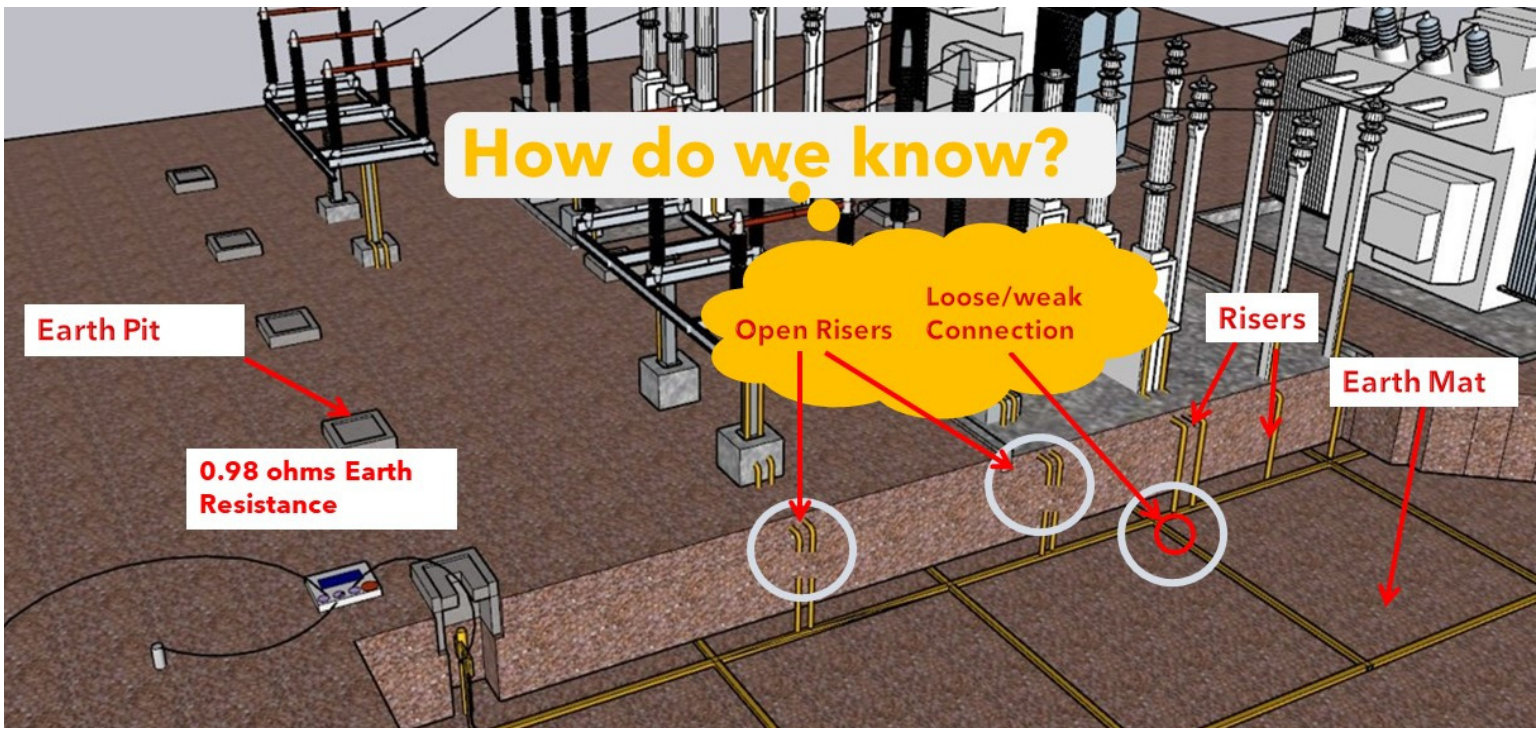
People often assume that any grounded object can be safely touched. A low substation ground resistance is not, in itself, a guarantee of safety. There is no simple relation between the resistance of the ground system as a whole and the maximum shock current to which a person might be exposed. Therefore, a substation of relatively low ground resistance may be dangerous, while another substation with very high resistance may be safe or can be made safe by careful design. For instance, if a substation is supplied from an overhead line with no shield or neutral wire, a low grid resistance is important. Most or all of the total ground fault current enters the earth causing an often steep rise of the local ground potential [see Figure 2(a)]. If a shield wire,

- Weak/Open joints in the buried/above-ground earth loop impede the flow of fault current.
- High voltages due to weak/open connections between equipment & grid endanger safety.

WHAT'S WRONG IN YOUR GROUND-TAKE A SNEAK PEEK



REDUCE EQUIPMENT FAILURE BY 40% + IMPROVE SAFETY

JEF's patented method of pinpointing weak/open connections both above and below ground helps identify & rectify the defects, greatly enhancing reliability by reducing equipment failure besides improving the safety.

Meet Our Experts at ELECRAMA 2023

Ravishankar AS

40 years of Experience

Prakash Kumar P

15 years of Experience