



EMC Audit for your drive system

A step-by-step approach to reduce electromagnetic compatibility disturbances

Proactive audits to improve communication and operation

Electromagnetic Compatibility (EMC) is the ability of electrical equipment to operate seamlessly in their electromagnetic environment. Electromagnetic interference (EMI) occurs when this compatibility is affected. As a proactive measure to reduce EMI and prevent drive trips, GE Power Conversion has developed a systematic approach to assess the electromagnetic compatibility of your drive system. This helps ensure proper communication and operation of your critical drives and connected equipment.

How do we do it? Here's an overview!



1 GE expert visits your site and checks earthing, shielding, routing and clamping of all control and communication cables of drives and connected devices as per standard protocols.



2 Identifies the hotspots which are having EMC issues.



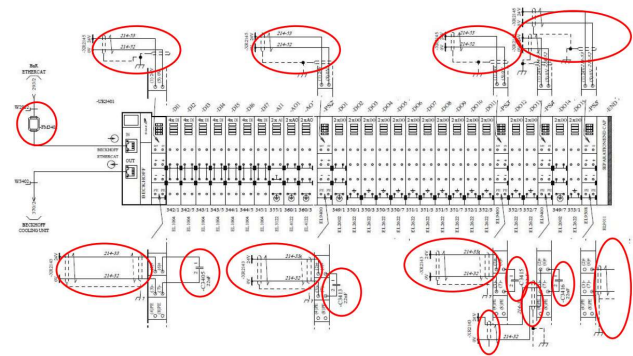
3 At the end of the audit, you will receive a detailed assessment report with specific recommendations for trouble-free operation of your equipment.

Key benefits

- Compliance with latest EMC regulations.
- Seamless communication.
- Reduced failure of components due to proactive checks.
- Segment/Application specific checklists.

Typical example of hotspots

Hotspots at earthing, shielding, routing and clamping of drive system and connected devices



Key to note

How does it differ from a regular physical check up?

Unlike a regular physical check, a dedicated and step-by-step approach will be conducted to identify “Improper” earthing, shielding, cable routing, DIP switch settings, non-metallic cable covers, clearance among various cables, loose connections due to vibrations.

How does it benefit a customer in the long run?

The outcome of the audit will enable you to proactively carry out maintenance and checks on hotspots and take precautionary measures to avoid EMI issues. It will also serve as a baseline reference for future plant expansions or modernizations.

GE's services for a lifetime

GE offers bespoke service support in the form of spares and replacement parts, onsite and remote technical support, maintenance services, upgrades, customized trainings and service agreements aimed at supporting customers based on their unique needs.

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