

Maintain a Healthy Workplace Environment

The Importance of EMF Testing

Protecting the health of your employees is of the utmost importance. In addition to the many visible hazards, the industrial work environment is often filled with equipment that has the potential of emitting Electric and Magnetic Fields (EMF) which could interfere with pacemakers or implanted defibrillators, and ultimately cause harm to the device or your employees.

What can you do to become EMF Workplace Ready™?

Employees with pacemakers or ICDs should maintain a safe distance away from welding equipment, high-voltage transformers or motor-generator systems. Unfortunately, many of the 400,000* individuals who have implants do not tell their employers before returning to work.

You can reduce the risk to these individuals by having EMF Testing conducted to determine if Electromagnetic Interference is present.

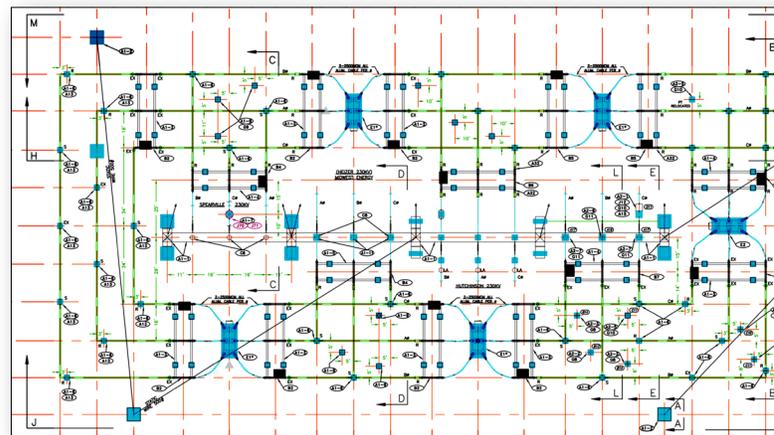
What is EMF Testing?

EMF testing is the process of assessing the Electromagnetic Fields being emitted from facility equipment. This non-invasive assessment involves a systematic measurement of electric, magnetic and electromagnetic exposure created by machinery. EMF testing assesses the environment for any interference that can cause electronic malfunction.

Our testing includes:

- Conducted Electric Fields
- Power Frequency and Modulated Magnetic Fields
- Magnetic Induction Field
- High-Frequency Fields (Radio Waves)
- Static or DC Currents
- Power Frequency

* Summa Health, Heart Device Clinic 2019.



Our report will include an assessment map of your facility.

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Industrial EMF Experts
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What We Do

Our trained technicians will perform a site survey of your entire facility or a specifically targeted area. This methodology provides flexibility in managing time and expense.

We will provide a comprehensive, easy-to-understand written report of the workplace assessment results that can be shared with medical professionals to determine the best course of action for you and your employees. The report will provide all information necessary to make informed decisions to maintain a safe and healthy workplace. Your report will include:

- Standards in performing and analyzing data,
- A list of potential EMF areas of concern,
- Photographs of areas/equipment of concern,
- EMF survey data tables and interpretation of data
- Recommended corrective actions for areas of concern that allow for reasonable and cost-effective resolution, including modified traffic patterns that avoid areas of concern

Our instrumentation will measure EMF fields emitted from all types of machinery, including:

- Motors
- Switch Gear / MCCs
- Welders
- Industrial Magnets
- Machining Centers
- Plant / In-Car Shortwave Radio Systems
- Electric Charging Systems

Terminology

We make use of the terms EMF and EMI. Unfortunately, in common use, these terms are used interchangeably; but it is important to understand that they are not identical. We offer the following clarification, in common terminology.

EMF is used to designate either "Electromagnetic Field" or "Electric and Magnetic Fields".

EMI is "Electromagnetic Interference".

ICD – an "Implantable Cardioverter-Defibrillator"

Pacemaker – A pacemaker helps control abnormal heart rhythms

Experience

We have over 30 years experience providing equipment and services to the utility, manufacturing, oil & gas, chemical and other sectors. Our technicians are trained to evaluate your equipment with our state-of-the-art meters which allow us to provide sound data analysis which you can trust.

We've learned important lessons over the years in the power industry that have brought us to this point.

Today, our drive and passion is to leverage that experience to create solutions for customers like you. Customers who would like an extension of themselves, a resourceful go-to and a knowledgeable partner to fill immediate needs as well as have the foresight to preventatively recommend solutions for the future.

Our background is rooted in the industrial power and manufacturing sectors with large and small businesses that include GE Supply, GE Power Generation, Laird Plastics, Alphagraphics, the Elliott Group, Shell, Pemex, Mitsubishi and Exxon Mobil.



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CONTACT US TODAY

For more about Powersmith Group's industrial EMF Testing and Assessment, send us a short email describing your facility today:

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