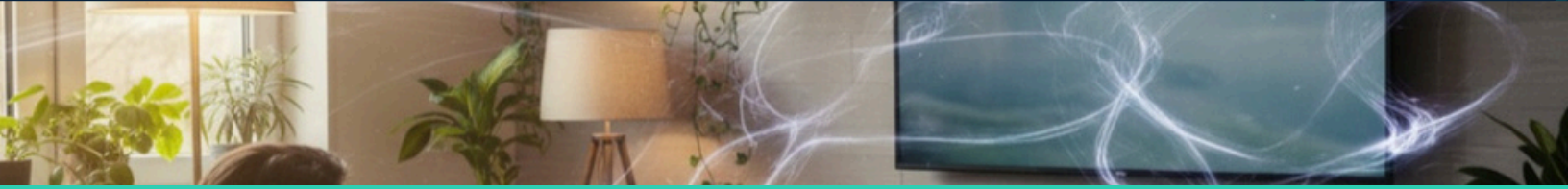


# Is Your Office Making You Sick?

**80%**  
OF BUILDINGS HAVE  
DIRTY POWER



## WHAT EMPLOYEES DESERVE TO KNOW ABOUT ELECTRICAL HARMONICS IN THE WORKPLACE

Most people assume the air in their office is safe. But invisible electrical pollution — called **harmonic distortion** — may be affecting your health, focus, and energy every single day.

Electrical harmonics are distortions in the power supply running through your building's walls and equipment. In a healthy building, harmonic levels (THD) stay below 5-8%. Many commercial buildings measure levels **10 to 40 times higher** than that — and most employees have no idea. The electromagnetic fields this creates radiate throughout the workplace, affecting everyone in the building.

**20-30%**  
average energy  
wasted by dirty  
power systems

## HOW ELECTRICAL HARMONICS MAY AFFECT YOU

### ● Brain Fog & Mental Fatigue

Studies measuring brain activity in high-EMF environments show workers experience significantly increased cognitive load, meaning your brain works harder just to function normally. This shows up as difficulty concentrating, slower decision-making, and mental exhaustion by mid-afternoon.

### ● Persistent Headaches

Headaches are among the most commonly reported symptoms in buildings with poor power quality. Workers often attribute these to stress or dehydration — but in many cases, they disappear on weekends and return Monday morning when they're back in the building.

### ● Chronic Fatigue & Low Energy

Low-level electromagnetic pollution creates an ongoing physiological stress response in the body. Over weeks and months, this compounds into chronic fatigue that doesn't resolve with normal sleep or rest — a hidden drain on productivity and wellbeing.

### ● Sleep Disruption

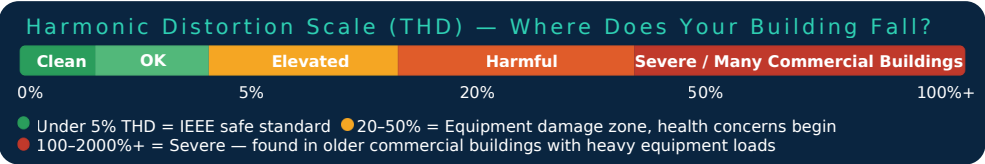
Electromagnetic field exposure has been linked to disruption of the body's melatonin production — the hormone that regulates sleep. Even after leaving work, workers in high-harmonic environments may experience reduced sleep quality affecting long-term health.

### ● Irritability & Mood Changes

The increased mental load from constant EMF exposure can manifest as irritability, reduced patience, and difficulty with emotional regulation. Teams in affected buildings often report interpersonal friction that eases dramatically after power quality improvements.

### ● Long-Term Cancer Risk

The World Health Organization's research arm (IARC) has officially classified extremely low-frequency EMFs — the type generated by building electrical systems — as "possibly carcinogenic to humans," with noted links to elevated leukemia risk in prolonged exposure studies.



## DIRTY POWER ALSO DESTROYS YOUR BUILDING'S EQUIPMENT

### AC Units & HVAC

Harmonic overload causes motors and compressors to run hot, cutting HVAC lifespan by years. Replacement costs: \$8,000-\$25,000.

### Transformers

Harmonic currents create excess heat in transformers, causing degradation and failure. At 10% THD, transformer life drops by up to 5%.

### Lighting & Electronics

Sensitive electronics, LED drivers, and motors all fail earlier and perform below spec when power quality is poor.

## Clean Energy There Can Fix This At Zero Cost to Your Employer

- ✓ Power quality audit — we measure your building's actual THD
- ✓ Harmonic filtration installed at the electrical panel
- ✓ Energy bills reduced 20-30%. Savings pay for the system
- ✓ Equipment protected. AC units & transformers last years longer
- ✓ Certificate of Clean Power issued to your employer

### Official Classification: "Possibly Carcinogenic to Humans"

⚠ The International Agency for Research on Cancer (IARC), a branch of the World Health Organization, has officially classified extremely low-frequency electromagnetic fields — the kind generated by the electrical systems in buildings — as a Group 2B possible carcinogen. This classification is based on multiple studies showing associations with childhood leukemia and other health outcomes in long-term exposure populations.

Source: IARC Monograph Series, WHO International EMF Project / National Cancer Institute EMF Research Summary