



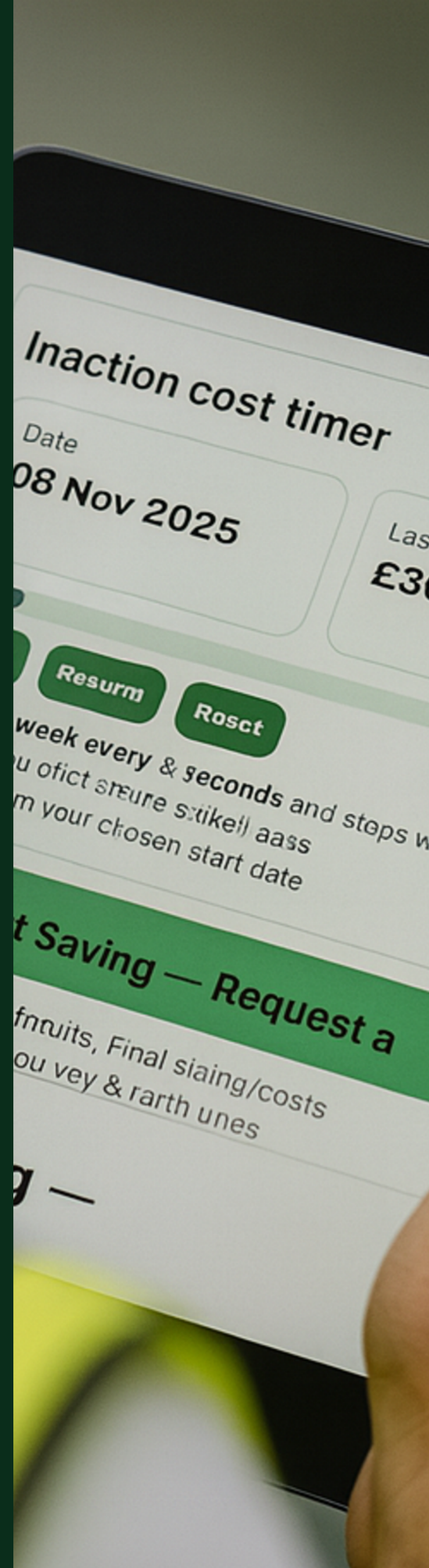
Your Power Factor Correction Survey

What to Expect and How to Prepare

INTRODUCTION: TURNING UNCERTAINTY INTO SAVINGS

For many businesses, the term Power Factor Correction (PFC) feels technical, intimidating, and perhaps a little disruptive. When the word “survey” comes up, some managers picture engineers tearing through production lines, shutting down systems, or causing downtime. In reality, a PFC survey is straightforward, minimally disruptive, and designed to uncover hidden savings in your energy bill.

By knowing what to expect and how to prepare, you can make the process smooth, ensure accurate results, and ultimately benefit from lower costs and greater electrical efficiency. This article will walk you through what happens during a PFC survey, how to prepare your site, what access may be required, and the questions you’re likely to be asked. The aim: to replace uncertainty with confidence, and to help you get the maximum value from your survey.





WHAT IS A POWER FACTOR CORRECTION SURVEY?

A Power Factor Correction survey is an on-site assessment carried out by a qualified engineer to measure how efficiently your facility uses electrical power.

The survey identifies:

- Your current power factor.
- The size and type of reactive power charges on your electricity bill.
- Whether installing a PFC unit will save you money and improve capacity.

The process is diagnostic rather than disruptive. It's about data collection, system observation, and designing a tailored solution for your business.

IS IT DISRUPTIVE?

One of the biggest fears clients have is whether a PFC survey will interfere with operations. The good news is: surveys are designed to be non-intrusive.

- No downtime required: Machinery and production lines continue running as normal.
- Minimal physical access: Engineers focus on your mains room, switchboards, and metering points rather than your production floor.
- Fast process: A typical survey can be completed in a few hours, depending on the complexity of your site.

In short, while the survey investigates your electrical system, it does so in the background without interrupting your day-to-day operations.



PREPARATION FOR A PFC SURVEY

BEFORE THE VISIT

- Data request: The engineer may ask for a copy of your latest electricity bills (ideally 3–6 months). These bills show reactive charges and load profiles.
- Load schedules: If you know when peak loads occur, share this information. It helps the engineer plan the best time to measure your system.
- Safety clearance: Confirm site safety rules, PPE requirements, and any induction processes needed.

To carry out the survey effectively, the engineer will need access to:

- Main electrical room or switchgear room (where the supply enters your building).
- Distribution boards or sub-panels if measurements are needed at specific points.
- Electricity meters (half-hourly or smart meters if available).
- Outdoor transformer areas (in larger industrial sites).

In most cases, access to office space or production areas isn't needed, unless major electrical equipment is located there.



SITE *PRE-INSPECTION* CHECKLIST:

- ☐ • Do you have recent energy bills? (Helps verify reactive charges.)
- ☐ • What is your typical load profile? (Peak times, seasonal variations.)
- ☐ • Are there any planned expansions or new equipment? (Futureproofing the PFC design.)
- ☐ • Do you operate sensitive electronic equipment? (Identifying harmonic distortion risks.)
- ☐ • Do you experience voltage drops or flickering lights? (Potential signs of low PF issues.)

Being ready with this information ensures the survey is accurate and efficient.



YOUR NUMBERS:

Company Name _____

Date of Report: _____

Current bill per year: £_____

Savings per year: £_____

10-year savings projection: £_____

Extra usable capacity gained: _____ kVA

Carbon reduction over ten years: _____ tonnes CO₂

CAPITAL OUTLAY: £0.00

What Next?

1. Visit powerfactorwizard.com and get pre-approved in minutes.
2. Receive a project budget based on your existing savings.
3. Once you're happy with the specification, pay a small admin deposit.
4. The job goes ahead seamlessly, managed from start to finish.

Power Factor Wizard manages the whole process, surveys, install, funding.

Every month we delay = £_____ wasted to the energy company.

Every month we act = £_____ positive cashflow back in our pocket.