

PFC Engineering limited is a British company, established in 1976 to supply and manufacture Power Factor Correction and Power Quality products. Since its inception, PFC Engineering has established a nationwide reputation for its caring service and technical competence.

PFC Engineering has had a significant influence in the design of modern Power Capacitors currently being supplied worldwide. Our company was also one of the first to openly publicise the environmental problems associated with PCB (Polychlorinated Biphenyl), a material recognised as being carcinogenic which is now outlawed in most western countries.

Thus the manufacture and supply of safe, environmentally acceptable, long life Power Factor Correction and Harmonic Filtration products has always been our primary objective.

Over the last 25 years, we have provided carefully devised, bespoke Power Factor Correction and Harmonic Filtration systems, throughout the United Kingdom, Europe, North America, Africa, the Middle East and Asia.

PFC Engineering has for many years supplied de-tuned and true filter capacitor banks for the purpose of reducing the effect of system-born harmonics

Our ability to design and build bespoke equipment to suit our customer's specific requirements is based upon proven technology and experience, as well as a wide range of standard products. This enables us to provide an unrivalled service.

PFC Engineering's Products Ensure:

**Good Value,
Environmental Acceptability,
Safety & Reliability.**

PFC Engineering is an "investor in people"

PFC Engineering has maintained a positive training and education philosophy. This has led to our student apprentices' ultimately obtaining Higher National Certificates, Diplomas, Honours Degrees and a PhD in Electrical engineering related subjects. Craft apprentices receive in house practical training and city and guilds qualifications. We remain committed to the future training of our employees.

"No cost" Consultation Service

Our Specialist Engineers are available to discuss your requirements and carry out Power Factor or Power Quality Surveys in order to provide you with a prompt and precise quotation, without obligation.

Installation & Commissioning

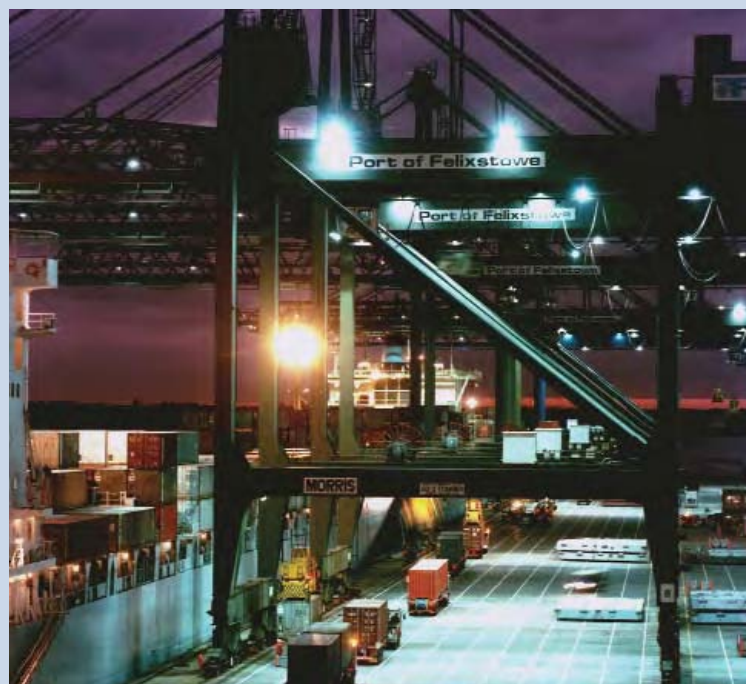
Our equipment is designed to facilitate common straightforward installation either by our customers electrical contract staff, or directly by our own experienced installation engineers.

Our Guarantee

PFC Engineering's products and services are subject to a full guarantee within the recommendations of BEAMA.

Competitive pricing

Despite Our commitment to using the highest quality components, ensuring the maximum possible product life, we always endeavour to provide our products at the best possible price.



Felixstowe docks, Suffolk UK - One of Europe's busiest container ports. PFC Engineering supplied Harmonic filters and Power Factor Correction for the dockside cranes.



Comprehensive product range

PFC Engineering offer a wide range of Power Factor Correction (PFC) enclosures which are often designed specifically to suit our customer's requirements.

Low loss, self healing capacitors

Our PFC capacitor elements are of a high quality, low loss design, that have self-healing characteristics. Their low operating temperature reduces heat derived dielectric ageing, improves reliability and consequently extends product life. Hence our standard capacitor elements can be contained within IP (Ingress Protection) enclosures for application in dusty or damp atmospheres. A fail-safe protection cut-out is also incorporated, which disconnects the capacitor in the event of electrical or thermal overloading, or by dielectric ageing at the end of the capacitor's useful life.

Modular Construction

Our Power Factor Correction products are modular, the overall kVAR rating being made up of individual capacitor elements which are banked together in steps which are independently protected. Should one element fail, other elements remain operational. This expended element is clearly visible and so it's replacement is straightforward. Maintenance is hence simplified and can be performed on-site, further reducing system down-time and costs.

Product Maintenance

It is recommended that all Power Factor Correction products and especially filters be regularly maintained. PFC Engineering offers a nationwide service, coupled with an emergency call-out facility if required. This service is available for all types of PFC equipment, regardless of manufacturer.

Standards

Our PFC equipment is manufactured to comply with:

VDE 0560 part 41, BS EN 60831-1,
BS EN 61921, BS EN 60831-2.

We are registered to: BS EN ISO9001:2000.

Harmonics & Power Quality

PFC Engineering has established itself as a competent solution provider in this field. The company has manufactured filter equipment for a significant number of major projects.

Poor power quality manifests itself by causing nuisance tripping and in severe cases damage to the electrical network and connected equipment.

Our power quality division is fully equipped to carry out system analysis and offer remedial solutions for power quality issues.

Our policy is one of continuous improvement and we reserve the right to alter any details of design from that shown in this leaflet without prior notice.



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