



PSE Power Systems

Electrical Engineering Specialists



Leaders in
Power Engineering
Sales and Service

Industrial Electrical

Engineering Design

Project Management

Turn Key Projects



Pat Smith Engineering Ltd T/A PSE Power Systems
Established 1985



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PSE Power Systems is one of the leading electrical engineering companies in Ireland, focusing on the supply of Specialist Electrical Engineering Equipment to Industry, supported by a Professional Service & Maintenance Division.

Established in 1985, PSE Systems is a vibrant and growing company, with a firm commitment to quality and customer service.

As a leading supplier of Generators and UPS in Ireland, PSE will undertake all Service and Maintenance requirements on new and existing equipment.

SAMPLE CLIENT LIST

- Adare Manor Hotel •
- Aughinish Alumina •
- Boyle Sports •
- Chorus •
- Dell •
- Dromoland Castle Hotel •
- Dundrum Town Centre •
- Eircom •
- E.S.B. •
- Fujisawa •
- Glaxo SmithKline •
- Government Departments •
- Guidant Ireland •
- Irish Cement •
- Irish Distillers •
- Irish Rail •
- Irish Refining •
- Janssen •
- Kerry Foods •
- Killarney Park Hotel •
- Martinstown Stud •
- Munster Joinery •
- Novartis •
- O.P.W. •
- Pfizer •
- RTE •
- Schering Plough •
- P.T.S.B. Bank •
- Waterford Crystal •
- Quinn Group •



- Our commitment to using only the highest quality products, combined with our outstanding support service, ensures that none of our customers are ever left in the dark.
- Our experienced Sales and Design teams are available to help our customers prepare cost-effective engineering solutions.
- PSE guarantees a swift and efficient response to any situation that may occur.
- Our service engineers are on call 24 hours.
- PSE provides nation-wide After Sales Service from our Dublin and Newcastle West offices. Our team of experienced Service Engineers have been fully trained both in-house and at the Generator and UPS training facilities in Europe.



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PSE is the Main Cummins Powergen Dealer for the Island of Ireland, which range from 11 kVA through to 2,500 kVA



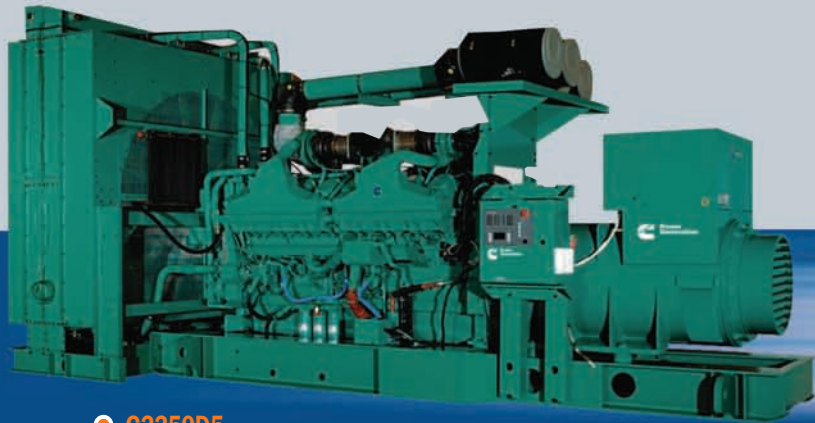
Cummins Power Generation generator sets are the heart of any on-site power system. Generator sets include a prime mover fueled by diesel, natural gas or propane, and an alternator that provides power at 50 Hz or 60 Hz, depending on the application. PowerCommand™ models and our digital master control facilitate paralleling with other generators or the power grid. Our generator sets are the result of integrated design and manufacturing intended to meet your requirements for reliability, power quality, rated performance, and efficient operation.

Cogeneration, or combined heat and power (CHP), is the production of two kinds of energy – usually electricity and heat – from a single fuel. Systems can be powered by either natural gas or diesel. They typically involve a reciprocating-engine generator that produces electricity and a heat-recovery system to capture the waste heat from the engine's exhaust and cooling system.

By capturing and using the waste heat, these systems consume only 50 percent of the fuel burned by a central power station to provide an equivalent amount of energy. Since greenhouse gas emissions are directly related to the amount of fuel burned, CO2 production is also cut in half.



● CD55D5 ENCLOSED



● C2250D5



SOKRATHERM CHP units are designed and built in Germany to the highest standards using the best components available.

All of the units are thoroughly factory tested for 50 hours, before being given their first service. Only then will the CHP leave the factory so you can be confident the unit will perform faultlessly from the moment it is installed. They are delivered in a sound-absorbing case and every module has its own integrated lubricating oil tank, so there is no need for any maintenance work or checks on the plant outside the scheduled service intervals of 1500 hours.

Every CHP module has its own control system, (TeleManager), which controls and monitors the unit's fully automatic operation. The voltage regulation, synchronisation and protection devices are all built into the unit, literally making for a 'plug & play' type installation. All the units can be monitored remotely and SOKRATHERM have developed an iPhone application to allow you to monitor your machine's operation anywhere in the world. SOKRATHERM CHP compact modules reach an overall efficiency of 91%.

- By running a generator during peak periods, users can reduce their electricity costs by minimising their usage of expensive mains supplied power.
- PSE has a reputation second to none for its vast experience and this is complimented by a programme of continuous training and development for all our personnel.
- PSE designs and installs complete synchronising and G10 protection systems.



PSE is the Sole Distributor in Ireland for Socomec UPS Systems.

Socomec are a French / Italian company, and are among the top 3 UPS manufacturers in the world.



DELPHYS DS

600 to 800 kVA

Options: Single and Parallel Configuration
Up to 4800 kVA in parallel



MASTERYS UPS

8 to 90 kVA

Options: Single and 3 Phase
Single and Parallel Configuration



DELPHYS MP

60 to 200 kVA

Options: Single and Parallel Configuration
Up to 1200 kVA in parallel

DELPHYS MX

250 to 500 kVA

Options: Single and Parallel Configuration
Up to 3000 kVA in parallel



MODULYS UPS

1.5 to 18 kVA

Options: Single and 3 Phase
Tower and Rack Mounted



AERFORT CHORCAÍ CORK AIRPORT

Supply, install, and commission: 2 x 300 kVA and 2 x 30 kVA UPS systems. PSE Power Systems carried out this project in association with Suir Engineering. The Mechanical & Electrical project was designed by Jacobs International, Consulting Engineers.

DUNDRUM
TOWN CENTRE

Supply and commission 4 x Generators ranging from 650 to 1250 kVA at the Dundrum Town Centre in Dublin.

GUIDANT

Supply, install and commission 3 x 2000 kVA diesel generators, c/w synchronising controls and sound attenuation at the Acute Hospital in Enniskillen in Northern Ireland.

HE Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Supply, install and commission 1 x 1000 kVA Generator, c/w sound attenuation at Wexford General Hospital.

Museum of Islamic Art (Doha, Qatar)

Supply, install, and commission: 3 x 2500 kVA DIESEL GENERATORS, c/w synchronising, and distribution panels. PSE Power Systems carried out this project in association with Mercury Engineering. The Mechanical & Electrical project was designed by J B & B Consulting Engineers, New York.

NOVARTIS

Supply, install, and commission: 1 x 2200 kVA, Diesel Generator, c/w sound attenuation and synchronising.

RTE

Supply, installation and commissioning of 7 X 900 KVA DIESEL GENERATORS, complete with full peak lopping synchronising and G10 protection systems, at the major transmitter stations around the country. This project was jointly designed by PSE and RTE engineering departments, and caters for RTE's upgrade to digital television.



Whitfield Clinic

Supply, install, and commission: 10 x Socomec Sicon UPS systems. Ranging from 7kVA to 60kVA.





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