



Powering your world

Our energy working for you.™



**Power  
Generation**

# Our people, your partner

## Every person, every story— powerful resources

Every employee has a story at Cummins Power Generation. Some are stories of coming to work with a parent when they were young, becoming employees themselves, then watching their children as they carry on the legacy. Others tell of starting at a distributorship and moving on to one of the many Cummins Power Generation offices located around the world. Some tell of starting at a regional office, before moving to global headquarters. Others talk of their days as customers working for utility companies.

All our stories create a company with decades of knowledge and experience to bring to every solution—firsthand knowledge, essential for meeting your needs.

## One person's dream, many people's ideas— innovation

Cummins Power Generation has a long history of creating innovation—from its beginning in 1929 with David Onan's invention of a single generator to its status today as a world leader in integrated total power systems. Cummins Power Generation is the world's only provider of pre-integrated PowerCommand® commercial power systems.

## Global strength, local partnership— successful solutions

Power solutions come from a global network of people in 26 manufacturing plants around the world, plus local person-to-person service from a distribution network across 160 countries, with nearly 500 dealers and 4,500 service parts outlets.



## Powering the world since 1920

**1920:** David Onan  
begins manufacturing  
generators



**1958:** Onan  
leadership passes  
to sons, Bud and  
Bob Onan

**1960s:** Automatic transfer switches  
and paralleling switchgear introduced

**1984:** Alternators added with  
purchase of Newage Engineers Ltd.

**1985:** Cummins Engine  
Company buys 63%  
of Onan stock



**1992:** Onan becomes a wholly  
owned Cummins Inc. subsidiary

**1994:** First integrated and digital  
control systems introduced featuring  
PowerCommand® controls

**2001:** Cummins Power Generation  
becomes our legal name

**2006:** Cummins Power Generation  
receives 2006 North American Diesel  
Engine Technology Leadership of the  
Year Award

## Reliability, responsiveness, relationships — our promise

These three words are the hallmark of our promise to you. Reliability is a reputation earned not only by our products, but by every person who touches your power solution. It is dedication to doing what we say we will do, and delivering time after time.

Responsiveness means far more than a quick reply to a telephone call. It means working with you to understand your problem, develop the best solution and address all your needs during the entire process.

Relationships are very important to us, and it shows in interactions with our people. Building relationships between the manufacturer, distributor and you is part of our daily lives in order to ensure your satisfaction and develop lasting partnerships.



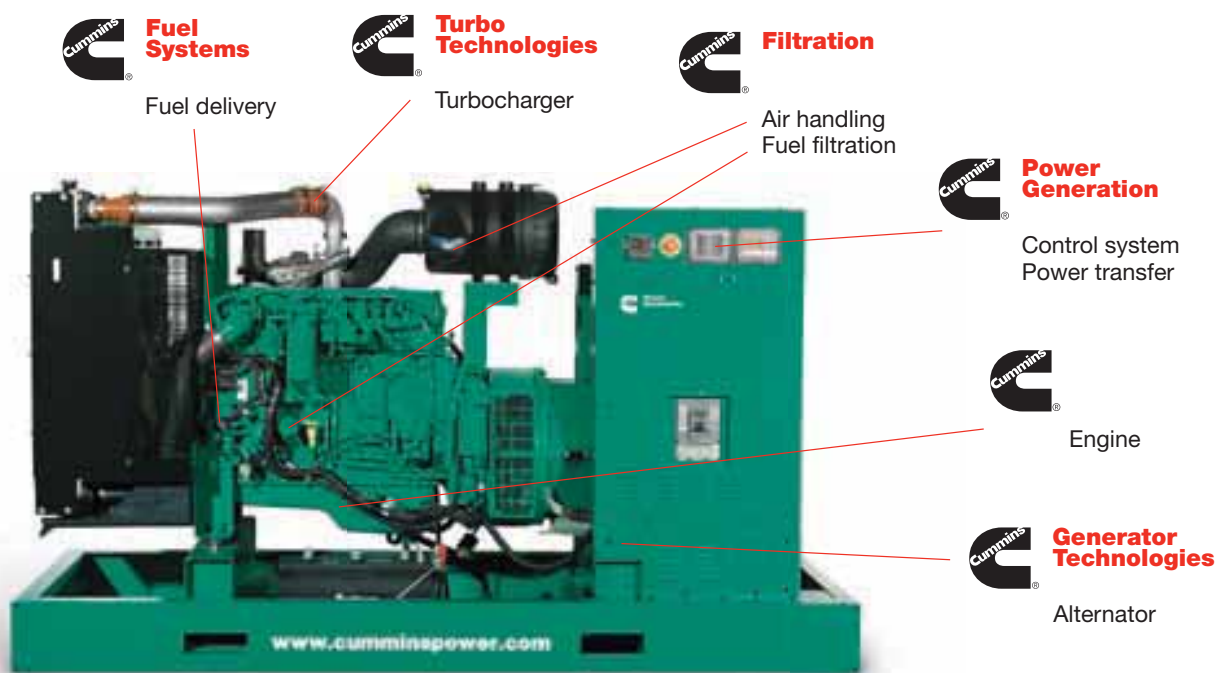
# Our technology, your innovation

Focusing on innovation is a high priority for all subsidiaries of Cummins Inc., including Cummins Power Generation. We invest hundreds of millions of dollars each year in research and development to advance engine and power generation-related technology around the world.

## The power of one company working for you

Cummins Power Generation is the world's only provider of pre-integrated PowerCommand commercial power systems—from standby/emergency systems to multi-megawatt utility peaking facilities to sophisticated cogeneration applications. It is the only on-site power equipment company to develop and manufacture combined power generation, power transfer and power control products and expertise—all in one company.

Our power systems are not just integrated, but pre-integrated—because all of the components are designed and built to work together. The result? Smaller equipment footprints, reduced installation time and higher system reliability. That's The Power of One™.



**Subsidiaries of Cummins Inc.**



“The company boasts an approach to engine emissions reduction based not only on best-in-class technology and design, but also on providing a product and cost that align with customer requirements.”

FROST & SULLIVAN

### Developing products for a cleaner tomorrow

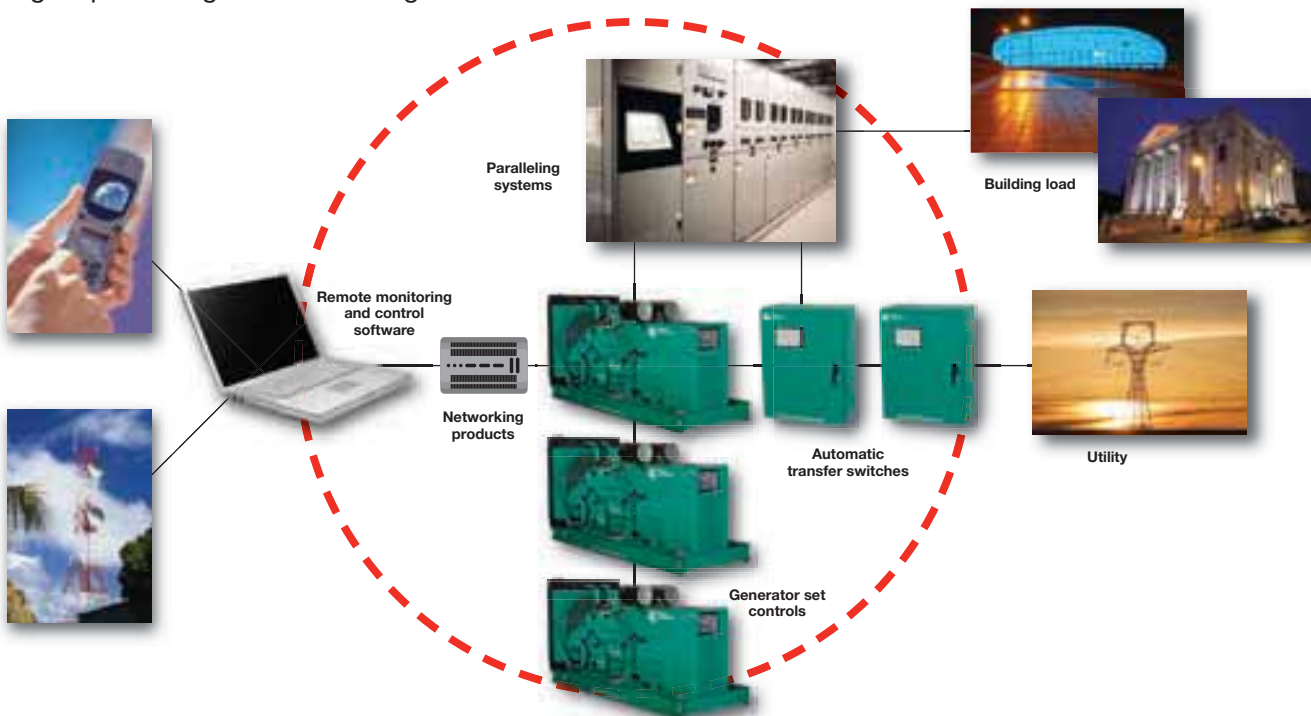
One result of our research and development is our proprietary technology—Cummins Inc. has more than 880 active patents, 80 of which are specific to Cummins Power Generation. Current product development focuses on reducing engine and generator set emissions that can contribute to pollution and global warming. Our new products and manufacturing processes are designed to lead to a cleaner and healthier environment, and we comply with or surpass all current emissions standards.

### Total power solutions

We are the world leader in pre-integrated power systems, combining generator sets, PowerCommand® control, automatic transfer switches, switchgear, digital paralleling and networking.

Frost & Sullivan named Cummins Power Generation the recipient of the 2006 North American Diesel Engine Technology Leadership of the Year Award, recognizing advancements and market leadership in emissions technology.

Our proprietary and award-winning “advanced in-cylinder combustion” engine technology offers the most effective emissions solutions available today. Plus, we’re working on power solutions for tomorrow that include fuel cell and hybrid technologies.



# Our capabilities, your solutions

Cummins Power Generation has the capabilities to provide power however, wherever and whenever you need it. Short- and long-term solutions for all your power needs.

## **Standby power**

Cummins Power Generation offers both short-term and long-term solutions to meet your standby power needs. Permanently installed and mobile power systems are used by hospitals, factories, office buildings, hotels, casinos, telecommunication centers and more. Whatever your need—from a simple diesel generator set or mobile system ready at the flip of a switch to a complete PowerCommand pre-integrated power generation system—Cummins Power Generation has a solution to help you meet it.

## **Emergency power**

Rental Power systems are available to meet emergency power needs. Mobile systems in sound-attenuated housings can be delivered, installed and running soon after an emergency such as a hurricane, tornado or flood.

## **Prime power**

Do you need more power than the grid can supply, or greater power reliability than the local utility delivers? Or do you need power in a remote area not reached by grid power? Perhaps you just want to reduce the cost of electric power by producing your own. No matter the reason, Cummins Power Generation can design, build and manage prime power systems—permanent or temporary—anywhere in the world.





### **Energy management/cogeneration**

Energy-intensive industries such as greenhouses, food and pharmaceutical processors and utilities/independent power producers look to Cummins Power Generation for systems that produce multiple types of energy from a single source of fuel. For example, cogeneration systems using Cummins lean-burn natural gas engines can generate electricity and thermal energy for heating or cooling purposes, with a savings of up to 35% on total energy expenditures.

### **Waste-to-energy systems/alternative fuels**

Landfill gas, coal seam methane, flare gas and other “waste” sources of low-energy-content fuel can now be burned cleanly, efficiently and cost effectively by specially engineered gas engine generators from Cummins Power Generation. From coal seams in Australia to landfills in Scotland and municipal waste plants in the Canary Islands, Cummins Power Generation is helping to capture potential pollutants and utilize their energy content to generate electricity, thermal energy and more.

### **Products and services for today’s power needs**

Environmental regulations, cost constraints, challenging environments and ever-increasing power demands are only some of the problems facing power users and producers today. Cummins Power Generation has the technology, imagination and willingness you need in a power generation partner. Here are some of the products and services we offer when developing a personalized solution to meet your power needs:

- > Natural gas and diesel generator sets, from 12 kW to 2.5 MW
- > PowerCommand® digital control electronics for system paralleling, remote operation and monitoring
- > Automatic transfer switches, from 30 to 4000 amp
- > Enclosures, silencers and other critical accessories
- > Mobile Rental Power units from 35 kW to 2 MW
- > Design consulting and project management
- > Turnkey power plant design
- > Installation and commissioning
- > Finance consulting and support services
- > Operations and maintenance (O&M) contracts
- > Energy sales and build/own/operate (BOO) projects



Powerful success stories. From project inception to solution to installation to follow-through, Cummins Power Generation is a tirelessly creative force in providing the energy you need. On the next pages, you'll see just a few of the many innovative and cost-efficient systems we've engineered for our customers.

Global power solutions from  
Cummins Power Generation





# Hot water

## Cogeneration



### Jinqiao Sports Center, China

Visitors to this 120,000-square-foot sports center located in Shanghai can exercise in comfort, thanks to a new combined-heat-and-power (CHP) or cogeneration system from Cummins Power Generation. The system uses natural gas to power the 350 kW lean-burn gas generator that supplies electricity to the facility, while the waste heat is used to make hot water and heat the swimming pool and building.



# Palm oil

> **Prime power**



## **Kanowit Palm Oil Mill, East Malaysia**

Malaysia produces nearly half of the world's annual output of palm oil. The factory at Sibu, Sarawak, in East Malaysia has no grid power supply in the area, so it uses the residue and shells from the oil palm fruit as fuel for a waste-fired boiler that drives a steam generator. The factory depends on reliable diesel generators from Cummins Power Generation to start up the boiler each day and to power the plant, offices and residential units during the hours when the steam turbine is not operational.



# Nuclear research

## > Standby power



### **Lucas Heights Nuclear Replacement Reactor, Australia**

The 2.5 MW diesel standby power system for the nuclear research reactor at Sydney's Lucas Heights Science and Technology Center required one of the most exhaustive seismic analyses ever for generator sets from Cummins Power Generation. Installed as a backup for the normal power supply that runs the nuclear research center, the complete power system provides status data to the reactor control and monitoring system.



## Cellular sites

### > Standby power



#### **IDEA Cellular Limited, India**

IDEA Cellular and its antecedents were among the first telecom companies to set up cellular operations in non-metro areas. Today, IDEA Cellular's constantly growing network comprises more than 1,000 towns and also provides unsurpassed highway coverage. Seamless cellular phone service requires an uninterrupted power supply, which is why IDEA has installed back-up power systems from Cummins Power Generation at more than 400 cell sites. Most of these cell sites are on the rooftops of residential buildings, which means that the generators have to be compact, lightweight and operate with minimum vibration and noise.



## More ore

> **Rental Power**



### **Falcondo Nickel Mine, Dominican Republic**

Because of the increasing worldwide demand for ferronickel (used in the stainless steel industry), the Falcondo Nickel Mine wanted to avoid the production slowdown caused by annual thermal power plant maintenance. Instead, the mine turned to temporary power by renting 32 2 MW Rental Power units from Cummins Power Generation. The turnkey system was delivered and installed in just 45 days from contract to system start-up, allowing the mine to maintain production during scheduled maintenance.



# Alternative fuel

## > Waste-to-energy



### **Landfill waste-to-energy plant, Scotland**

Methane powers the Cummins Power Generation lean-burn gas generator sets at this 193-acre landfill site in Dunbar. The methane is produced from the thousands of tons of domestic waste the site processes daily. The turnkey power plant produces 3.5 MW of electricity that is sold to a nearby cement plant. A key selection factor was the high-volume output of the lean-burn generators per dollar of investment.



# Grid support

## > Peaking power



### **Tennessee Valley Authority (TVA), USA**

The largest regional power supplier in the United States uses both diesel and natural gas peaking plants from Cummins Power Generation to help meet utility demands. The distributed generation plants not only provide peaking power, but also reduce loads on transmission lines, bring down power costs and improve electric reliability. A 20 MW diesel plant for one TVA member utility provides emergency backup power to the local community, while a 21 MW peaking-only plant burns natural gas so cleanly, it's permitted to operate for up to 1,200 hours per year.



## Cargo lifting

> **Prime power**



### **IMPISA Port Systems, Port of Santos, Brazil**

The Port of Santos, located in the state of São Paulo, is the busiest port in Brazil. With 8.7 miles of docks spread along inland channels, the shipyard depends on rubber-tired gantry cranes (RTGs) from IMPISA Port Systems to load, unload and move containers and the docks. These RTG cranes—capable of lifting up to 40 tons each—are powered by diesel generators from Cummins Power Generation. Installed in the structure of each RTG, the enclosed and acoustically insulated generators provided all the electric power required for movement, traction and lifting.



## Medical emergency

### > Standby power



#### **Al Ahli Hospital, Qatar**

One of the largest private hospitals in the Middle East, the new Al Ahli Hospital in Doha depends on Cummins Power Generation generators, paralleling switchgear and digital master control for emergency backup power. The system is designed to supply about 40 percent of the hospital's total needs, including all of its critical loads, such as the intensive care unit, operating rooms and computers, as required by international building codes.



## Environmental excellence

### > Peaking power



#### **Lonsdale Power Station, Australia**

The 20 MW diesel peaking power plant outside of Adelaide was the first of its type in Australia, and it demonstrated that diesel power can meet tough environmental standards. The power plant was awarded a prestigious Institution of Engineers Australia commendation for environmental excellence because the plant's NOx emissions at ground level are significantly below tough Australian standards proposed for 2008. The power station is also 80% quieter than standards require. Built in just four months by a team from Cummins Power Generation, the unmanned power station can be started automatically on demand, within 60 seconds, from anywhere in Australia.

Reliability, responsiveness  
and relationships — that's  
what you can expect from  
Cummins Power Generation.

Innovative technology, dependable products  
and custom solutions for your specific applications  
are all brought to you by people you can trust:  
the people of Cummins Power Generation.

Put our energy to work for you. You can rely on  
Cummins Power Generation to deliver complete  
power equipment solutions plus a full range of  
services, including system design, project  
management, financing, operation and  
maintenance contracts, and development  
of turnkey power plants.

**For all your power needs, contact  
your local Cummins Power Generation  
distributor or visit our Web site at  
[www.cumminspower.com](http://www.cumminspower.com)**



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