

POWER SYSTEMS

Capabilities and Support Services



Milton





EXTENDED SERVICE COVERAGE PLAN (ESC)

NO INTERRUPTIONS. NO SURPRISES. You chose Milton CAT Power Systems because your operation depends on reliable power – and now you have the option to extend your level of protection even further.

Caterpillar offers an extended service coverage option to owners of new and used Caterpillar prime and standby generator sets, switchgear, automatic transfer switches (ATS), uninterruptible power supplies (UPS) and engine paralleling controls. A Caterpillar Extended Service Coverage Plan or ESC allows you to manage your risks, protecting your investment and your peace of mind.

Your ESC at a glance. For generators used in standby applications.

- An ESC is an extension of the original warranty.
- ESCs are backed by Caterpillar and covered by the entire dealer network.
- All CAT gensets and ancillaries are eligible for an ESC.
- Standby generator ESCs are available within two years of purchase.
- A standby generator that is covered by a CSA can be protected by an ESC for up to 25 years.
- ESCs are adjustable to a customer's needs.
- Customers can upgrade their level of ESC coverage.
- ESCs follow the genset and ancillaries; they are transferrable.
- An ESC adds to the resale value of your genset.
- All service under an ESC is done by CAT factory-trained



For complete information about the ESC options available through Milton CAT, please contact your Milton CAT Power Solutions Representative or email pscса@miltoncat.com

Locations throughout the Northeast

Milford, MA
508-634-5559

Richmond, VT
802-434-4228

Syracuse, NY
315-476-9981

North Reading, MA
978-276-2400

Warner, NH
603-746-4671

Batavia, NY
585-815-6240

Wareham, MA
508-291-1200

Scarborough, ME
207-883-9586

Binghamton, NY
607-772-6500

Cranston, RI
401-946-6350

Brewer, ME
207-989-1890

Clifton Park, NY
518-877-8000

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3 SELECT YOUR COVERAGE LEVEL

Then, choose from our Silver, Gold, Platinum or Platinum Plus coverage levels to get the exact amount of protection you need based on the Coverage Matrix¹ and Additional Allowances.

COVERAGE MATRIX¹

Cooling System	Silver	Gold	Platinum ²
Thermostat Housing	✓	✓	✓
Water Manifold Housing	✓	✓	✓
Jacket Water Precooler	✓	✓	✓
Jacket Water Pump		✓	✓
Thermostat			✓
Radiator & Fan			✓
Fuel System			
Steel Fuel Lines	✓	✓	✓
Fuel Shutoff Solenoid	✓	✓	✓
Fuel Injectors		✓	✓
Fuel Transfer Pump & Housing			✓
Fuel Priming Pump			✓
Fuel Transfer Pump			✓
Lubrication System			
Pan, Pump Cooler	✓	✓	✓
Crankcase Breather			✓
Engine Oil Pump Drive			✓
Prelubrication Pump			✓
Electric System			
Control Module (ECM)	✓	✓	✓
Sensors: All Engine Sensors	✓	✓	✓
Wiring Harness & Connectors			✓
Starter			✓
Engine Alternator			✓
Alternator End			
Alternator, including Rotor, Stator and Exciter	✓	✓	✓
Generator Controls		✓	✓
Power Center		✓	✓

Air Induction & Exhaust	Silver	Gold	Platinum ²
Exhaust Manifolds, Studs & Gaskets	✓	✓	✓
Inlet Air Heater Relay	✓	✓	✓
Intake Manifold	✓	✓	✓
Turbocharger(s)		✓	✓
Air-to-Air Aftercooler Cores			✓
Muffler/Exhaust System			✓
Exhaust Guards			✓
Diesel Oxydation Catalyst			✓
Short Block			
Cylinder Block Casting	✓	✓	✓
Crankshaft	✓	✓	✓
Connecting Rod Assembly	✓	✓	✓
Piston, Wrist Pin, Retainer Clip & Piston Rings	✓	✓	✓
Idler and Timing Gears			✓
Accessory Drive			✓
Cylinder Head			
Cylinder Head	✓	✓	✓
Intake & Exhaust Valves	✓	✓	✓
Valve Mechanism	✓	✓	✓
Camshaft, Camshaft Bearings, Key, Gear	✓	✓	✓
Front & Rear Covers			
Front Cover/Plate/Housing/Gears & Gaskets	✓	✓	✓
Vibration Damper	✓	✓	✓
Flywheel Housing & Gasket	✓	✓	✓
Crankshaft Front & Rear Seal			✓
Optional Aftertreatment Coverage			
Diesel Particulate Filter	✓ ³	✓ ³	✓ ³
Selective Catalytic Reduction	✓ ³	✓ ³	✓ ³

¹ This Coverage Matrix is for reference only and does not represent a complete list of covered components. For additional information, please reference the appropriate ESC contract.

² Platinum level coverage covers all as-shipped consist from the factory with Cat part numbers. Some exclusions may apply.

³ Recent emissions-compliant engines or generator sets may be equipped with a Diesel Particulate Filter (DPF) and/or a Selective Catalytic Reduction (SCR). We offer coverage at an additional cost on these emissions components. Silver, Gold, Platinum or Platinum Plus base level coverage is required.

Platinum Plus coverage covers all components covered by Platinum coverage plus additional Cat components, having a Cat part number, installed by an authorized dealer and approved using the Platinum Plus Additional Coverage Component List and Approval Verification form.

ADDITIONAL ALLOWANCES

Engine Displacement ⁴	Travel/Mileage Limitations		Emergency Freight	Rental ⁵		Crane & Rigging ⁶	Overtime
	Silver, Gold, Platinum	Platinum Plus Only	All Coverage Levels	Platinum Only	Platinum Plus Only	Platinum Plus Only	Platinum Plus Only
Up to 4 liters	2 hr/100 mi	10 hr/500 mi	\$500	\$2,500	\$5,000	\$1,000	\$1,500
Over 4 liters up to 7.5 liters	4 hr/200 mi	10 hr/500 mi	\$500	\$5,000	\$10,000	\$1,000	\$1,500
Over 7.5 liters up to 34 liters	8 hr/320 mi	10 hr/500 mi	\$500	\$10,000	\$20,000	\$5,000	\$1,500
Over 34 liters	8 hr/320 mi	10 hr/500 mi	\$500	\$15,000	\$40,000	\$12,500	\$1,500

⁴ Please refer to the generator set spec sheets for particular engine displacement.

⁵ Allowance is granted if covered failure repairs cannot be completed within 96 hours (for Platinum) or 48 hours (for Platinum Plus) of the authorized dealer technician's initial visit.

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4 PURCHASE AND REGISTER YOUR ESC

Finally, work with your local Cat dealer to complete the process—and get the protection and peace of mind you deserve.

This is a brief description of ESC. It is subject to change without notice. In case of conflict, the ESC contract will govern.

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PS/ESC-1/2

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Jacket Water Pump		✓	✓
Thermostat			✓
Radiator & Fan			✓
Fuel System			
Steel Fuel Lines	✓	✓	✓
Fuel Shutoff Solenoid	✓	✓	✓
Fuel Injectors		✓	✓
Fuel Transfer Pump & Housing			✓
Fuel Priming Pump			✓
Fuel Transfer Pump			✓
Lubrication System			
Pan, Pump Cooler	✓	✓	✓
Crankcase Breather			✓
Engine Oil Pump Drive			✓
Prelubrication Pump			✓
Electric System			
Control Module (ECM)	✓	✓	✓
Sensors: All Engine Sensors	✓	✓	✓
Wiring Harness & Connectors			✓
Starter			✓
Engine Alternator			✓
Alternator End			
Alternator, including Rotor, Stator and Exciter	✓	✓	✓
Generator Controls		✓	✓
Power Center		✓	✓

Air Induction & Exhaust	Silver	Gold	Platinum ²
Exhaust Manifolds, Studs & Gaskets	✓	✓	✓
Inlet Air Heater Relay	✓	✓	✓
Intake Manifold	✓	✓	✓
Turbocharger(s)		✓	✓
Air-to-Air Aftercooler Cores			✓
Muffler/Exhaust System			✓
Exhaust Guards			✓
Diesel Oxydation Catalyst			✓
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PS/ESC-1/2



CUSTOMER SERVICE AGREEMENTS

Thinking ahead. You are aware of the importance of having stand-by power available – in your industry, there's zero room for failure. You have considered the options, and made the decision to invest in the most appropriate power generation system. Have you thought about protecting your investment?

The day you need your generator...

You need it. Period. How do you make sure it will be working for you? Unless required maintenance is being timely and expertly performed, there's a risk of the unit failing to start when an outage occurs. A Milton CAT CSA, or Customer Service Agreement, is the efficient, cost-effective way to ensure the reliability and performance of your generator system.

What, when, who? A Milton CAT CSA is a customized, planned preventive maintenance program which typically includes operational/safety inspections and oil changes.

Comes with the territory



As a Milton CAT customer, your productivity and your peace of mind are the focus of a team of trained and committed experts who understand the intricacies of your power equipment and are dedicated to supporting you.

Depending on your own, unique requirements, your CSA could be annual, semiannual, quarterly or monthly. Milton CAT CSAs are flexible and developed to fit your needs, but one thing never changes – they are always performed by our own in-house team of CAT experts, factory-trained and safety-certified.

How much? Your savings could range from hundreds to many thousands. That's right. Think of the disastrous consequences of a power outage without backup and calculate the expense of emergency service added to the financial ramifications of the outage. Suddenly, a planned preventive maintenance agreement becomes a cost-effective alternative.



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CUSTOMER SERVICE AGREEMENTS

A Milton CAT CSA brings you peace of mind regarding these crucial concerns:

Scheduling. With a Milton CAT CSA, scheduling is not your concern any longer – we contact you directly when your maintenance is due and confirm a specific date and time for the work to be completed.

Parts. You know for sure that Milton CAT will have all the parts and consumables required to keep your generator up and in perfect shape; there's no waiting around hoping there's no power outage while your generator is down.

Expertise. Our technicians are trained to work on Caterpillar generators and ancillaries; that's their focus and their expertise. They will efficiently and safely perform all the required maintenance as well as provide a written report recommending any additional repairs that may be required.

Availability of rental equipment. In the event of unforeseen downtime or if your business requires additional back up power, whether in an emergency or scheduled event, we have the largest rental fleet in the Northeast.

Compliant waste disposal. Remaining in compliance with all applicable local, state and federal guidelines can be challenging and expensive. Milton CAT's Environmental Health & Safety Department ensures we are operating within all applicable regulations and have the necessary licenses and permits.

Financial stability. An established and successful company, Milton CAT is one of the top Caterpillar dealers, worldwide. We're here to stay – and to support you.

"Preventive Maintenance plays a crucial role maximizing reliability, minimizing repairs, and reducing long term costs. We have more than twenty units and Milton CAT CSAs provide preventive maintenance for all needed services on our generators from the quarterly inspections and oil change, the three year service,



load bank testing, and 24/7 emergency response. With Milton CAT we have found the technicians are a dedicated team of experienced professionals with the ability to service all of our generators from a 250kW unit to the 2MW units. In our environment, generators have to be on continuous stand-by and must be able to run at full capacity in a matter of seconds. Milton CAT, with its response time and in stock OEM parts, is indispensable in keeping our units available when needed."

Joe Fitzgerald
 Manager of Engineering Operations
 CB Richard Ellis

"A dedicated team of Milton CAT professionals is responsible for maintenance and preventative maintenance at my facility. Milton CAT's CSA program



COVIDIEN

keeps my emergency back-up generators in

great condition, which helps prevent large unforeseen problems. The PMs help extend the useful life of my equipment and reduce the unplanned downtime of the equipment. Performing preventive maintenance is almost always the best long term strategy."

Richard Merlino
 Supervisor of Corporate Facilities
 Administrative Services
 Covidien LP

Locations throughout the Northeast

Milford, MA 508-634-5559	Richmond, VT 802-434-4228	Syracuse, NY 315-476-9981
North Reading, MA 978-276-2400	Warner, NH 603-746-4671	Batavia, NY 585-815-6240
Wareham, MA 508-291-1200	Scarborough, ME 207-883-9586	Binghamton, NY 607-772-6500
Cranston, RI 401-946-6350	Brewer, ME 207-989-1890	Clifton Park, NY 518-877-8000



www.miltoncat.com

Don't wait until you need your generator to find out that it needed maintenance. Talk to your Milton CAT Power Solutions Representative or email pscса@miltoncat.com.



PREVENTIVE MAINTENANCE

PM1 AND PM2

To help protect your investment and assure the reliability of your power generation equipment, Milton CAT offers different types of Preventive Maintenance or PM agreements. As with all Milton CAT Preventive Maintenance, PM1 and PM2 are scheduled and performed by Milton CAT factory-trained technicians.

PM1 SERVICE (INSPECTION/MINOR)

Cooling System

- Inspect radiator/heat exchanger for leaks, exterior cleanliness and/or deterioration.
- Check and record coolant level.
- Check and record coolant freeze protection.
- Obtain coolant sample and send out for laboratory analysis.
- Inspect hoses and connections for signs of leaks and/or deterioration.
- Inspect fan drive pulley and fan for signs of wear or cracks.
- Inspect fan drive belts for signs of cracking or deterioration.
- Confirm jacket water heater is working and record coolant temperature (engine not running).
- Inspect water pump for any indication of leaks.

Fuel System

- Inspect fuel water separator (if equipped), drain any water from water/sediment bowl (if equipped).
- Check and record fuel tank level (if equipped with gauge).
- Visually inspect fuel tank and fuel piping for any indication of leaks.
- Inspect fuel lines and connections for leaks.

- Inspect governor linkage (if equipped) for free movement and signs of wear.
- Record fuel pressure (if equipped) while engine is running.

Air Intake and Exhaust System

- Check air filter restriction gauge (if equipped with gauge) for amount of filter restriction.
- Inspect filter element visually.
- Inspect air intake system for any loose components or signs of wear/rubbing.
- Inspect turbocharger(s) (if equipped) for loose intake or exhaust components.

Lube Oil System

- Verify oil level is between "add" and "full" marks on dipstick.
- Inspect crankcase breather and related tubing for signs of leaks or excessive pressure.
- Crankcase fumes disposal tube/piping should be extended beyond radiator to prevent oil mist contamination of radiator core.
- Note and record oil pressure on gauge with engine running.
- Obtain oil sample (via sample port with engine running) and send out for laboratory analysis.*
- Check for any signs of oil leaks.

* If engine is not currently equipped with a sample valve, Milton CAT will install one at no cost during first scheduled service.

Starting System

- Check and record specific gravity reading of each cell (if maintainable).
- Check for proper level of electrolyte in each cell.
- Check battery charger for proper operation and record amperage reading.
- Check and record the last date that batteries were replaced. Recommend that batteries be replaced every three years, regardless of condition.

Control Panel

- Verify gauges are operating and record readings.
- Check for presence of any warning lights/alarms.
- Perform lamp/bulb test.

Safety Controls – check for proper operation of safety devices below:

- Overcrank
- Overspeed
- High Coolant Temperature
- Low Oil Pressure
- Not-in-Auto
- Emergency Stop

Natural Gas or Propane Generator Sets

- Inspect engine gas lines, regulator and carburetor for signs of leaks/corrosion.
- Inspect carburetor and linkage (if equipped) for proper operation.
- Inspect ignition system (magneto/distributor/spark plugs/wires).

Operational Checks with Engine Running

- Check for any leaks or unusual noises.
- Verify proper voltage and frequency via control panel gauges.
- Check for proper air inlet and outlet louver operation (if equipped).
- Operate for no more than five (5) minutes without load. Longer periods not recommended without a minimum of 30% of nameplate capacity load applied.
- Perform five (5) minute confidence test/available building load test if permitted by customer. Customer representative must be present to operate necessary circuit breaker to allow transfer to emergency source.

Walk-around inspection

- Visual inspection of generator and environment.
- Check for signs of rodent/insect activity.

Conclusion of visit / Recommendations

- Control panel: confirm control switch is in “auto” position.
- Circuit breaker: confirm breaker is in “ON” position.
- Provide written recommendation(s) for any suggested repairs.
- Provide electronic copy copy of inspection report at conclusion of visit.
- Make electronic copy of inspection report available to customer.
- Provide written estimate of additional work to customer within one week of service visit.
- Technician will clean up and dispose of any waste generated during service visit.

PM2 SERVICE (INSPECTION PLUS OIL CHANGE/ MAJOR)

Perform all work required under PM1 Inspection plus;

- Replace lubricating oil and lubricating oil filters and fuel filters (including fuel/water separators).



PREVENTIVE MAINTENANCE

PM3

To help protect your investment and assure the reliability of your power generation equipment, Milton CAT offers different types of Preventive Maintenance or PM agreements. As with all Milton CAT Preventive Maintenance, PM3 cumulative service work is scheduled and performed by Milton CAT factory-trained technicians.

Milton CAT recognizes that the services provided with a PM3 are often the types of preventive maintenance that are not on the radar to perform every year. A PM3 agreement ensures that these necessary services are not forgotten. The worry of maintenance intervals and scheduling goes away, and downtime for emergency repairs is minimized with a Milton CAT PM3 Customer Service Agreement.

PM3 SERVICE SCOPE OF WORK (RECOMMENDED EVERY THREE YEARS)

Service to include:

- Coolant system flush under load.
(*customer to provide 30-50% building load)
- Replace/treat coolant (based on coolant type and age).
- Replace coolant system hoses.
- Replace belts.
- Replace radiator cap.
- Replace engine thermostat(s) and seals.
- Replace air filter(s).
- Check and adjust valve lash.
- Inspect turbocharger(s).
- Grease generator bearing(s).
- Replace batteries (if 3yrs. or older).

* Milton CAT can provide supplemental load if needed, at an added cost.



It happens.

Those easy-to-forget preventive maintenance tasks can turn to be the ones causing major disruptions, even unplanned downtime. Why run that risk? With a Milton CAT PM3 Customer Service Agreement you are positively and absolutely sure that the cumulative service maintenance is performed the right way, at the right time, and by the right personnel.



PREVENTIVE MAINTENANCE

EXTENDED OIL DRAIN INTERVAL FOR CATERPILLAR ENGINES

To help protect your investment and assure the reliability of your power generation equipment, Milton CAT offers different types of Preventive Maintenance or PM agreements. As with all Milton CAT Preventive Maintenance, Extended Oil Drain Intervals for Caterpillar Engines are scheduled and performed by Milton CAT factory certified technicians.

Caterpillar recommends a maximum oil and filter change period of twelve (12) months for diesel engines used in standby generator applications as published in the Operation and Maintenance Manual.

The extended oil drain interval for CAT standby generator sets is three years or 500 hours (whichever occurs first). This option is a good choice for customers enrolled in a Milton CAT CSA (Customer Service Agreement for preventive maintenance) who have large engines in hard-to-reach places.

The CSA must include:

- CAT DEO or ULS oil (Diesel Engine Oil or Ultra-Low Sulfur).
- CAT filters (oil, fuel and air).
- CAT antifreeze (either ELC or DEAC).
- CAT SOS Services fluid analysis.
- Monthly engine operation (minimum) at operating temperature.
- Distillate diesel fuel (bio-diesel is not allowed).

In addition:

- Oil and fuel filters must be replaced annually.
- Level 2 SOS coolant sample must be taken annually.
- SOS oil sampling must be taken every three months. The oil sampling must be taken with an in-line sampling valve on the pressurized oil manifold.

THE EXTENDED OIL DRAIN INTERVAL ALSO INCLUDES:

PM1 SERVICE (INSPECTION/MINOR)

PM1.5 ANNUAL SERVICE (INSPECTION PLUS FILTER CHANGE)

Perform all work required under PM1 Inspection Plus;

- Replace lubricating oil and fuel filters (including fuel/water separators).

PM2 SERVICE (INSPECTION PLUS OIL CHANGE/ MAJOR)

Perform all work required under PM1 Inspection Plus;

- Replace lubricating oil and lubricating oil filters and fuel filters (including fuel/water separators).

Example of a three-year schedule with quarterly visits:

	PM1	PM1.5	PM2
Year #1	3	1	
Year #2	3	1	
Year #3	3		1

Sustainability and social responsibility are core values at Milton CAT. Their strategy is to provide work environments, products, services and solutions that make productive and efficient use of all resources.

There are three principles that guide Milton CAT's commitment to sustainability:

- Prevent Waste
- Improve Quality
- Develop Better Systems

Milton CAT also strives to support their customers, suppliers, dealers and other partners in their sustainability initiatives.





Do you have large engines, in hard-to-reach places?

If you are currently enrolled in a Milton CAT Customer Service Agreement (CSA) for Preventive Maintenance, the Extended Oil Drain Interval is a good option for you to consider. Contact your Milton CAT representative for more information.

POWER SOLUTIONS

PRODUCTS

Generators-Emergency

Gaseous Fueled 25 kW-5000 kW
Diesel Fueled 40 kW-8000 kW



Transfer Switches



Paralleling Switchgear



Generators-Continuous

Landfill Gas
Combined Heat & Power (CHP)
Quarry & Aggregate Prime Power



Generator Connection Boxes



UPS (Uninterruptible Power Supply)

RENTAL

Generators

25 kW to 2000 kW
Diesel & Natural Gas
Cable & Cable Ramps
Transformers
Transfer Switches & Distribution Gear



Equipment

Load Banks
Environmentally Approved Fuel Storage Tanks
Light Towers
Temperature Control - Chillers and AC
Industrial Portable Heaters
Light Towers
Fuel Tanks



Portable Air Compressors

185 CFM to 1600 CFM
Diesel or Electric
High Pressure Units
Dryers
Air Hose & Accessories

Used Equipment

We buy and sell!

SERVICES

Services

Preventive Maintenance Programs
Load Testing
Contingency Planning
Fluid Analysis (fuel, oil & coolant)
Quoted Repairs
24 Hour Emergency Service



Emissions Solutions

NESHAP Compliance
SCR
Tier 4 Offerings
Particulate Filters
Monitoring/Testing Services



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Milton 

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RENTAL POWER

Your reasons for looking at renting power generation equipment may vary; you could be preparing for scheduled maintenance on your current equipment, with its consequent shutdown; planning for construction, with its requirements for extra capacity; dealing with a utility failure; or facing seasonal needs. Your goal could be to handle an unpredicted challenge, or to take advantage of an unexpected opportunity. But chances are your concerns include finding a stable, well-established source with the inventory and the resources to offer a robust solution to your rental needs. ■



From 20 kw to 2000 kw, choose the generator to meet your needs from Milton CAT's complete inventory.



Milton CAT offers natural gas-powered generators.



GreEner™ is Milton CAT's unique line of environmentally friendly power generators.

Milton CAT generator sets come self-contained with trailer or skid-mounted fuel-tank bases for easy travel. Our rental units range from portable 20 kW generators to 2,000 kW power modules with utility-grade switchgear. Sound-attenuated XQ modules are quiet and all our equipment is EPA-certified.

Some applications for these high-performance, reliable generators include:

- Stand-by power
- Prime power
- Parallel load-sharing and peak shaving
- Major utility installations
- UPS quality power

We're ready to help you with your next power challenge.

the difference

Availability

We carry a complete inventory of top-of-the-line equipment and ancillaries. Our locations are spacious, spread around New England and upstate New York, and our Power Systems Division focuses exclusively on air, power and temperature control, so we can afford to stock and to support a range of products and a number of units that are very hard to match. Even when everyone else is looking to rent, too.

Price

You have a budget to meet and financial goals to reach. When you choose to work with Milton CAT, you'll get choices that allow you to remain within the parameters that make sense for you.

Support

You can count on the unit or units you rent from us being impeccably maintained; you can also count on service that takes some of the burden away your own people. For example, we can drop off and pick up the rental equipment, and we offer on-site fuel service. Chances are we have a relationship with the electrical contractor you've used, so there will be an easy work flow.

Quality

You may have seen it – a beaten-down, unpainted rental unit marring the image of an otherwise beautiful campus. We are proud of every piece of equipment we rent, and you will be as well. We even offer a line of state-of-the-art clean generators. Our GreEner power line allows you to show to visitors and staff a serious commitment to environmental protection.

Power accessories and ancillaries

We carry everything you need to get your generator connected and running, including load banks, cable ramps, transformers, generator docking stations, power cables, automatic transfer switches or ATSS, distribution panels and fuel tanks.

For immediate or emergency rental needs, please call 1-800-821-6412, 24 hours a day, 7 days a week.



Power cables

Used individually, Milton CAT's 4/0 cam-lock single conductor cables provide up to 400 amp loads, and can be used in parallel for larger load requirements. Our size #2 cam-lock single conductor cables are used when you need up to 150 amp loads. Quad box strings and Quad box extensions are used for 120 v., 20 amp power circuits.

Cable ramps

Used with interlocking design, these ramps provide robust protection for cables up to 1.25" in diameter.



Generator docking stations

When it's time to put your generator to work, you want to know that you have the right connections ready to go. Milton CAT offers you the perfect solution – a reliable, affordable generator docking station, customized to your structure. Docking stations provide quick, easy and safe connections of external generator power, up to 4,000 amps.

Locations throughout the Northeast

Milford, MA 508-634-5559	Richmond, VT 802-434-4228	Syracuse, NY 315-476-9981
North Reading 978-276-2400	Warner, NH 603-746-4671	Batavia, NY 585-815-6200
Wareham, MA 508-291-1200	Scarborough, ME 207-883-9586	Binghamton, NY 607-772-6500
Cranston, RI 401-946-6350	Brewer, ME 207-989-1890	Clifton Park, NY 518-877-8000





GENERATOR CONNECTION BOXES

Because it will happen. Weather-related outages will hit the region. Cost-cutting utility companies will postpone repairs. Preventive tree pruning may be a thing of the past. But your customers still expect full, uninterrupted service from you. And if they don't get it, they will turn to somebody else. Somebody better prepared to handle a power outage.

Be ready. A Milton CAT Generator Connection Box provides reliable, affordable assurance that you can stay up and running, without interruption, when using a mobile, emergency generator. Cable hook up is safe, quick and easy – no confusing running of cables in the dark, or jerry-rigging in the middle of a storm once your electrician figures out what goes where. And no watching as your customers go away, your phones start to ring with upset callers, or your merchandise starts to spoil.

Standalone systems



MCGCB100 – for a quick safe connection of a portable generator in the event of prime power loss.

MCGCB200 – MCGCB100 system with automatic transfer switch.

For use with a standby generator



MCGCB300 – for a second layer of backup to the standby generator in the event of anticipated power loss, or to be used as the primary back-up while servicing or load-testing the standby generator.

MCGCB400 – MCGCB300 system with automatic transfer switch.

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GENERATOR CONNECTION BOXES

Power-up!

Once it's installed, a Milton CAT Connection Box allows you to power up whenever you need, simply, quickly and safely. It offers:

- Cam-style inputs.
- Lockable rake systems reduce tampering and theft risks.
- Completely bused with lugs.
- Custom-colored cables reduce improper hookups.
- Sizes and configurations to fit all applications.

Perfect competitive edge.

Be the one who can meet customer needs, support their demands and provide them with what they want, in spite of weather emergencies, blackouts and power outages. You can do it. It's quick, easy and safe. Don't allow lack of power to drive a wedge of doubt into the relationship!

We look forward to talking to you.

Milton CAT has the resources, the manpower and the expertise to support the widest range of applications. Get in touch with us at your closest Milton CAT facility, or call your Power Solutions Representative. We'll discuss which generator connection box is the most appropriate to fit your needs and make a plan to take the next steps.

"Having connection boxes throughout our facility has provided a true solution for us when we need added backup protection during scheduled maintenance on our standby generators. The boxes have turned what was a cumbersome, time-consuming task, into something that is truly connect and you are good to go."

Joshua Barrette,
Electrical Services Supervisor,
Kent Hospital, Warwick, RI



"For the company, it is all about reducing the risk of downtime as much as possible, as we are now taking delivery of a backup generator before every major storm. For me and my crew, it is all about safety. There are just too many risks involved in pulling and running cables when you don't have to. This is truly plug and play."

Alan Lantagne,
Facility Electrician,
CVS Caremark Distribution Center



"With the Milton CAT Connection Box, you are using the same point of power entry as the stand-by gen set, and with it, all the protection you have with the transfer switch and the circuit breakers. In addition to the time savings and avoiding the moving pieces, it is the safety to our system that made the connection box such an easy decision and Milton CAT has the know-how and experience to make the install a smooth process."

Doc Korbar,
County Facility Maintenance Supervisor,
Tioga County Jail



"What our customers like about having a connection box is how simplified it makes transferring to another power source. It's no longer a puzzle with a lot of pieces that seem to be different each time – this leads to the power getting back on quickly, and safely. It takes the 'fire drill' feel out of what usually happens when there is an outage."

Christian Urban,
Commercial Electric, Providence Rhode Island



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EMISSIONS COMPLIANCE

Increased public awareness of the dangers posed by airborne pollution, tighter legislation, a fragmented regulatory environment, looming deadlines and the high cost of non-compliance explain the urgency of the emissions challenge. Potential damage to an institution's public image often brings yet another layer of concern. As you search for the right answers, you can count on the expertise and the resources of your Milton CAT team. ■

Not for newcomers. With its changing and challenging technical and political hurdles, navigating the emissions compliance landscape requires a degree of specialized knowledge and focus that doesn't exist in most companies. Milton CAT has been in the power business for over fifty years. Our customers include some of the region's largest hospitals, data centers and educational institutions, as well as well-known environmental engineering-consulting firms.

Staying ahead of emissions regulations so we can interpret them and help our customers find the right solution is our strength, and we have assembled and grown a team of experts that is unequalled in the region. They understand and support all brands of power generation equipment and can assist you at any stage of your emissions compliance project.

Complete range. When it comes to emissions, only one thing is for sure – every situation is unique and requires its own answer. Continuously researching, developing and maintaining access to a multitude of viable, compliant solutions requires a serious strategic and financial commitment. An established, successful and growing business, Milton CAT is perfectly positioned to offer that kind of support.



Product and Service Offering

- Active Diesel Particulate Filters
- Oxidation Catalysts
- Selective Catalytic Reduction
- Tier 4 Generators
- Emissions Testing
- Filter Cleaning
- State and Federal Regulation Interpretation

TAKE A CLOSER LOOK

The following examples will give you an idea of the range of concerns, the variety of regulatory bodies and the breadth of our solutions.

Non-emergency engines including those used in Cogeneration, Peak Shaving and Demand Response often require the use of a Selective Catalytic Reduction (SCR) system – an after-treatment for NOx embedded in the generator package. The SCR injects urea into the exhaust system at temperatures above 300° Fahrenheit; the urea decomposes to form nitrogen and water, eliminating a high percent of NOx emissions in the process. The systems and regulatory requirements are complex. Call us. We can help – from initial specification to retrofit.

A Massachusetts challenge – complying with rules affecting stand-by generator sets of all types. Do you have a visible smoke or odor issue with your generator? Have you received a notice of non-compliance from the Department of Environmental Protection regarding regulations for generator installation and operation? Remediating non-compliance can be daunting. We can work with you to develop an appropriate solution including turnkey installation of an active Diesel Particulate filter, which traps more than 85% of the Particulate Matter (PM) and then burns it off. This method of remediation is often allowed by the DEP as a return to compliance (RTC) strategy.

The EPA has strict emission regulations for prime power and non-emergency power for industries such as wood chipping, papermaking and aggregate plant operation, as well as for companies that do peak shaving. The Environmental Protection Agency's National Emission Standards for Hazardous Pollutants (NESHAP) rules ask for monitoring and testing of emissions in those cases. The right solution can be to replace a muffler with an oxidation catalyst that converts carbon monoxide, hydrocarbons and aldehydes into carbon dioxide and water.



Get in touch with us. When it comes to emissions, only one thing is for sure – non-compliance is expensive, both in terms of potential shutdowns and fines, and also from a public relations standpoint.

It doesn't matter how unique and challenging your emissions-centered concern is, at which stage of your process you might be, or which brand of generator you're using. We have the expertise and the resources to help you understand, research, develop and install the right solution. Call us. We're here for you.

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MILTON CAT BY THE NUMBERS

Over 70 years in business

13 Locations throughout New England and New York State

500 pieces in our Power Systems Rental Fleet

24/7/365 Emergency Service

ISO 9001: 2008 Certified

CALL 800-821-6412 FOR YOUR POWER SOLUTIONS