

EQUIPMENT

Maximize the value of your equipment.

PRODUCTIVITY

Move more material in less time at a lower total cost.

SAFETY

Send everyone home safely after every shift.

SUSTAINABILITY

Reduce environmental impact with technology and innovation.

FINANCIALS

Manage expenses and use capital more efficiently.



SUSTAINABILITY CAPABILITIES

Let us help you achieve your sustainability objectives with **Site Optimization** services that often allow you to do more work with fewer machines so you can use less fuel, generate less noise and produce fewer emissions. **Reuse and Recycling** are initiatives that permit you to capitalize on the second life built into Cat® components and machines.

SITE OPTIMIZATION

Site optimization not only delivers positive economic results, but can also help you improve environmental performance. Our efficiency experts will work with your team using a rigorous process to evaluate existing assets and site conditions. We'll size the fleet appropriately, identify which units could be rebuilt or replaced, and recommend ways to eliminate bottlenecks and improve efficiency. A more efficient operation should drive reductions in emissions, noise, energy use and waste.

Emissions Reduction

Streamlining your operation typically reduces exhaust emissions. We start by right-sizing your fleet, often reducing the number of units on site. We also identify which units could be remanufactured or replaced to incorporate newer emissions technology. Finally, we look for ways to optimize workflow. The combination of these improvements enhances efficiency and profitability, while reducing emissions.

Noise and Dust Reduction

Better fleet design and operations planning can also reduce noise and dust. Our team works with you to increase fleet utilization, optimize workflow and improve haul road maintenance. Doing so helps you boost production efficiency while generating less noise and dust and reducing the need for water trucks.

Energy Management

Caterpillar efficiency experts will help you manage fuel consumption and reduce fuel costs by analyzing factors such as site design; fleet size, age and condition; operator technique; maintenance practices; and more. Based on our analysis, we'll recommend site improvements, equipment upgrades, operator training, idle management practices and other changes to help you meet your production, cost and energy objectives.

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Fuel and fluid optimization

Fuel, engine oil, hydraulic oil and coolant are the lifeblood of every machine. But storing and handling these fluids can be costly and difficult. As part of our site analysis, we make recommendations about the fluids you should be using. We also evaluate your storage systems and processes to ensure that all fluids are in good condition before they go into your equipment. And we use fluid sampling to determine optimum change intervals, in many cases safely extending these intervals. The goal throughout is helping you protect your assets while you maximize fluid life, minimize consumption and reduce the volume of used fluids that require disposal.

REUSE AND RECYCLING

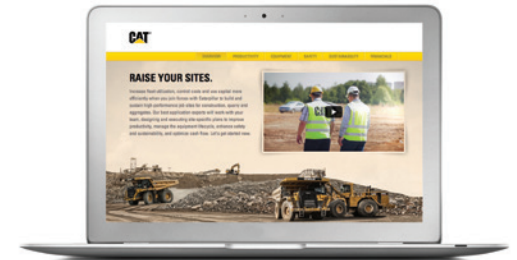
Caterpillar has a long history of designing and building products that deliver more than one economic life. By offering components and equipment that can be rebuilt or remanufactured, we give you more ways to meet production goals while controlling costs, reducing waste and conserving natural resources.

Component Remanufacturing

Our equipment management experts can help you develop a strategy to optimize the life cycle of your major components. We'll review all the options including new, used, rebuilt and Cat® Reman products, which offer the performance and warranty of new components at a fraction of the cost. With our guidance, you can choose the best option for your situation and capitalize on the life and value built into your Cat components.

Equipment Recycling

Some equipment owners choose to recycle an entire unit. Should you select this option, your machine can be remanufactured with either new Cat parts or Cat Reman products. In most cases, a rebuilt unit incorporates newer technologies and components than the original machine, so your equipment can work more productively and efficiently with less environmental impact.



Put our capabilities to work in your business.

Caterpillar sustainability capabilities can be provided as individual services, but are most valuable when delivered as part of a comprehensive plan to optimize site performance. For more information about optimizing your site, contact an expert at collaborativesolutions@cat.com or visit cat.com/collaborative-solutions-us-english.