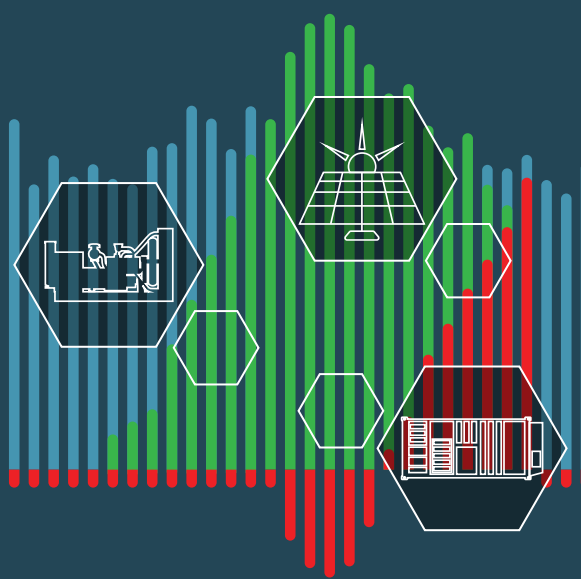


Cat[®] AMP

THE WAY TO MONETIZE



LOWER ENERGY COSTS, PROTECT YOUR BUSINESS OPERATIONS, AND KEEP THE POWER GOING.

Cat[®] AMP is a Distributed Energy Resource Management Software (DERMS) platform that monitors energy market conditions and integrates with power generation assets. The software platform accurately predicts opportunities to lower energy costs for sites with natural gas gensets, renewable power generation, energy storage, or microgrids.

HOW DOES IT WORK?

When power consumption is high and energy costs soar, Cat AMP can automatically dispatch onsite assets, also known as Distributed Energy Resources (DERs), or reduce loads.

DELIVERING CUSTOMER OUTCOMES

Cat AMP is already helping multiple customers address their business challenges.



AVOID FAILURES WITH NO UPFRONT CAPITAL COSTS

Customer Type:
Chemical Manufacturing

Challenge:

Failure was not an option for one chemical plant customer. With no backup power in place, they risked environmental and reputational damage if they experienced a power loss. Also, they wanted to avoid significant upfront costs.

Solution:

They installed natural gas generator sets for emergency power, with Cat AMP. They pay for the solution over 15 years, making the costs more manageable. With the use of Cat AMP, they monitor grid load and energy pricing, and automatically dispatch their assets into the local energy markets. This activity provides additional earnings to their business.



ENERGY SAVINGS IN THE FACE OF RISING COSTS

Customer Type:
Manufacturing

Challenge:

The price of energy in their city continues to soar. Because they are a heavy energy user, it is a challenge to remain profitable. The company considered relocating.

Solution:

Multiple gas generation and energy storage assets were deployed across their sites. When energy peaks occur, they are able to supply their facilities with their power assets, resulting in significant energy savings. This allows them to continue operations in their current city, and even expand.



PEACE OF MIND WITH ECONOMIC OPPORTUNITIES

Customer Type:
Food Production

Challenge:

Located at the end of a distribution line, they regularly experience power outages. This results in significant financial losses as business operations are interrupted.

Solution:

Gas power generation assets were installed, providing resiliency to ensure the business suffers minimal downtime. When the assets are not providing backup power, they are monetized by dispatching for various energy market opportunities and provide further savings for the customer.

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FEATURES

Peak Management

- Monitors energy markets and predicts coincident peaks.
- Automatically dispatches assets during peaks.
- View estimated and actual energy savings in real time.

Asset Management

- View your facility's assets including generator sets, energy storage systems and solar PV.
- Provides an overview of asset health, ensuring asset(s) can perform when called upon.
- Reports and alerts on common alarms and faults e.g. temperature, oil pressure, battery voltage and battery failure warnings.
- Ability to automatically or manually control assets.

Portfolio Management

- Configure groups of assets to aggregate and view performance and health summary across a fleet.
- Ability to monitor assets from multiple manufacturers.

Financial Reporting

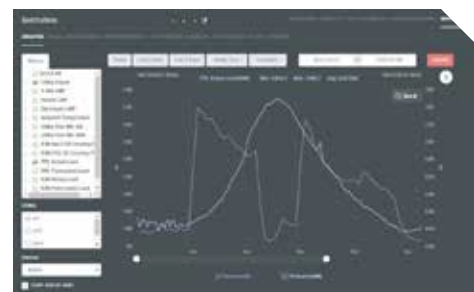
- Provides necessary reporting to validate and ensure delivery of savings or payments.
- Savings or payments can be reported individually or in aggregate.

Market Integration

- Automatically exchanges data with energy markets so your asset(s) can participate in market programs.
- Facilitates bidding and automated dispatch to and from markets.

Extra Functionality

- Operations and Maintenance historical reporting and tracking.
- Ability to acknowledge alarms and assign tickets to a technician.



LEARN MORE

Watch our Cat AMP demo today to see it live in action.



TAKE YOUR NEXT STEP TODAY

Reach out to our team of experts today to discuss your energy goals and solutions.