CAT® MINESTAR™ HEALTH —
OFFERINGS FOR 3RD PARTY SYSTEMS

Most mining operations use a mixed fleet of equipment from different manufacturers, and in many cases those machines need to be able to integrate with equipment or systems from other providers.

Caterpillar has several offerings that enable our customers to collect, convert and transmit:

- Caterpillar equipment data into third-party systems
- Third-party equipment data into Cat® MineStar™ systems
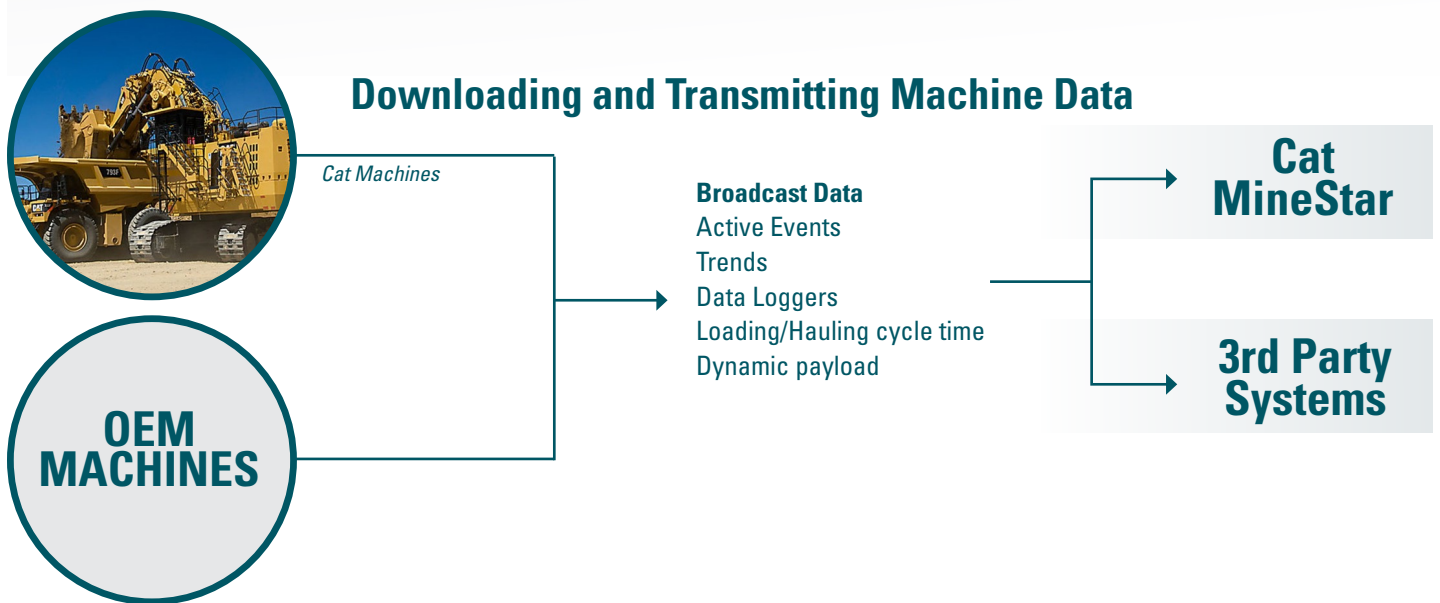
VIMS Telemetry

This offering enables third-party access to a maximum of 92 Cat equipment operating parameters and events via a serial communication port at a 1Hz sample rate. Use of this feature requires a non-disclosure agreement between Caterpillar, the customer, and the third-party integrator for each individual mine.

Product Link™ Elite (PLE) – Data Streaming

The feature enables the transfer of over 150 machine health and operating data points via ethernet communication with up to 1Hz sample rate. PLE pushes data out in an open and accessible format into an off-board OSISoft® PI System™ to be consumed by third-party applications. Its buffering capabilities safeguard data in the event of poor or no connectivity on site.

Third-Party Machine Integration with Cat MineStar

This machine integration offering enables third-party equipment data to integrate with Cat MineStar systems and solutions. Compatibility with PLE connectivity interfaces is required on a per-need or per-request basis. A non-disclosure agreement is required to obtain approved protocol documentation and installation information from the third-party OEM.

Downloading and Transmitting Machine Data

Cat Machines

OEM MACHINES

Broadcast Data
Active Events
Trends
Data Loggers
Loading/Hauling cycle time
Dynamic payload

Cat MineStar

3rd Party Systems

For more information, go to *www.cat.com/health* or contact your local dealer.

CAT®