

CAT® SOLUTIONS FOR CONSTRUCTION INDUSTRIES

Whatever your industry, application or size of operation we know productivity, fuel consumption and fleet efficiency are critical to your success and profitability. Cat® Solutions for Construction Industries can provide on-site expertise aimed at improving production, optimizing your fleet, and maximizing your efficiency while lowering your total cost.

Fleet and Site Evaluations are solutions that Caterpillar provides to help customers improve their operations. On-site evaluations typically require two to three days plus additional time for report generation. Site specific performance and comparison to your goals will include a mix of our capabilities enabled by industry leading analysis methods.



PRODUCTION

- Fleet System
- Fleet Match
- Loading Tool Systems
- Hauling Tool Systems
- Jobsite Layout
- Haul Road Analysis
- Effective Fleet Utilization
- Technology Match

Cat Solutions for Construction Industries help turn your production goals into reality, maximize your operational efficiency and lower your owning and operating costs.



EQUIPMENT

- Equipment Operation
- Fuel Consumption
- Equipment Configuration
- Work Tool/GET Configuration
- Machine Idle Management



ANALYSIS METHODS

- Fleet Production & Cost (FPC) Software
- Dozer Simulation (DOZSIM Quick-Calc™) Software
- Vital Information Management Systems (VIMS™)
- VisionLink® Remote Monitoring Systems
- Payload measurement services with +/- 1% accuracy
- Cat Productivity Measurement





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What value do you receive from Cat Solutions for Construction Industries?

Our experts will work with your team to collect and analyze the right data to establish current benchmarks and propose site specific recommendations targeted at improving production, lowering operational costs and allow sustainable progress.

The solution levels we offer are adaptable and customizable to any size operation, fleet or work site and allow you to select the level that best fits your needs to maximize your return.

From basic machine and system recommendations to a full production and cost analysis using the latest technologies available our teams have the solutions to answer your fleet, production, job site and operational needs.



SYSTEM SELECTION	LEVEL 1	LEVEL 2	LEVEL 3
General System/Fleet Match Recommendations	X	X	X
General Machine/Technology Recommendations	X	X	X
Equipment Selection	X	X	X
Jobsite layout/setup		X	X
Expert On Site		X	X
Service Fees/Charges		X	X

DATA COLLECTION			
Machine Cycle Times		X	X
Detailed Machine/Technology Configuration		X	X
Haul Road Mapping		X	X
Material density measurements		X	X
Production Requirements		X	X
Operator Efficiency		X	X
Operational Hours		X	X
Ground Engaging Tool Selection		X	X

APPLICATION ANALYSIS			
Machine/Fleet Sizing	X	X	X
Work Tool Sizing	X	X	X
Machine/Fleet Optimization		X	X
Machine/Fleet Utilization		X	X

HAUL ROAD ANALYSIS			
Complete haul road profile		X	X
Haul Grade Analysis		X	X
Safety Berm Analysis		X	X
Improvement documentation		X	X
Speed on road profile		X	X

ANALYTIC TOOL APPLICATION			
Fleet Production & Cost (FPC)	X	X	X
Dozer Simulation (DOZSIMs)	X	X	X
Cycle Timer Software (CYC)		X	X
On-Board Payload data		X	X
Cat Productivity Data			X
Vital Information Management Systems (VIMS)*			X

* certain machine hardware requirement must be met

CUSTOMIZED TO MEET YOUR SITE NEEDS

FUEL ANALYSIS	LEVEL 1	LEVEL 2	LEVEL 3
Machine/Fleet Fuel Consumption		X	X
Machine/fleet Fuel Efficiency		X	X
Emissions Baseline		X	X
Diesel Exhaust Fluid (DEF)Consumption		X	X
Machine Idle Time Analysis		X	X

DELIVERABLES			
General Recommendations	X	X	X
Fleet Production & Cost Basic	X		
Fleet Production & Cost Standard		X	
Fleet Production & Cost Advanced			X
Site Optimized Fleet Recommendations		X	X
Detailed Site Improvements/Recommendations		X	X
Operating Technique Evaluation		X	X

OPTIONAL PLUG IN SERVICES

PRODUCTION ANALYSIS TRUCK (PAT)			
Machine weightment collection			X
Payload system verification			X
Belt scale verification			X
Volumetric scans			X
Machine/fleet/job site production status			X
Production differences between machines/systems			X

SAFETY SERVICES			
Fatigue and Distraction Management		X	X
Safety culture consulting		X	X
Safety training products		X	X

For additional information or to schedule Cat Solutions for Construction Industries, please contact your Cat® dealer.



LET'S DO THE WORK.™

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