



**WHEREVER
THERE'S
MINING,
WE'RE
THERE.**

SURFACE MINING







WHEREVER THERE'S **MINING,** WE'RE THERE.

The majority of surface mining equipment in the world comes from one company: Caterpillar. And for good reason. Cat® equipment is designed to lower cost per ton by providing productive and reliable performance. Our product line is unmatched, with equipment for drilling, digging and cutting; moving and hauling material; and maintaining efficient mine sites.

Like our customers, we consider the health and safety of miners a top priority. All of our products and systems are integrated with safety features to keep people safe when they're in, on or around them. We also share the mining industry's commitment to sustainability — following environmentally sound policies and practices in the way we design, engineer and manufacture our products, and leveraging technology and innovation to develop equipment that has less impact on the environment.





WHEREVER THERE'S **DRILLING**

Caterpillar supplies a number of tools that deliver consistency and performance in every surface mining drilling application. Our rotary drills and track drills — combined with multiple models of advanced drilling tools and our Halco high-performance hammers and drill bits — ensure there's a Cat drill to meet every need.



ROTARY DRILLS

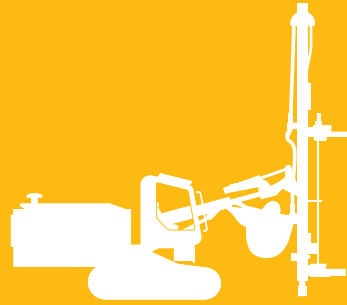
Surface mines rely on rotary drills to quickly drill consistent blast patterns. They're used in all applications — soft and hard rock, extreme temperatures and high altitudes. Drilling and blasting result in broken materials that are ready to be moved by excavators, shovels, draglines and other loading equipment.

MODEL NO.	BIT LOAD
MD6240	Up to 24 000 kg (up to 52,911 lb)
MD6290	Up to 29 000 kg (up to 63,934 lb)
MD6420	Up to 42 000 kg (up to 92,594 lb)
MD6540	Up to 54 000 kg (up to 119,050 lb)
MD6640	Up to 64 000 kg (up to 141,096 lb)
MD6750	Up to 75 000 kg (up to 165,346 lb)









TRACK DRILLS

Drilling is typically the first phase of the mining process, achieving desired rock fragmentation and bench conditions through drilling and blasting. Track drills are essential in presplit drilling, mine expansion, wall control, production drilling and grade control.

MODEL NO.	HOLE DIAMETER
MD5050 T	Up to 102 mm (4 in)
MD5075	Up to 127 mm (5 in)
MD5090	Up to 127 mm (5 in)
MD5125	Up to 152 mm (6 in)
MD5150	Up to 152 mm (6 in)

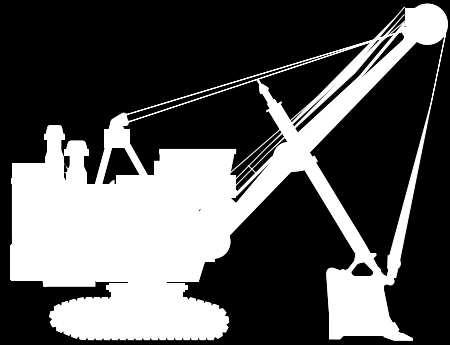




WHEREVER THERE'S DIGGING & LOADING

Gaining access to minerals is vital as mining companies work to meet the overwhelming global demand for commodities. The versatile lineup of Cat products is unmatched when it comes to meeting extraction needs. From the highly productive dragline to the fast cycle times of a hydraulic shovel, from the superior digging forces of the electric rope shovel to the unique highwall miner and the wheel loader with its high lift options — our product line for digging and loading has the right equipment for every type of application.





ELECTRIC ROPE SHOVELS

AC-drive electric rope shovels are a productive and efficient alternative for removing large amounts of overburden and ore. Numerous technological upgrades in the form of both software and machine parts make Cat Rope Shovels more efficient by increasing swing and lowering speeds.

MODEL NO.	PAYLOAD CAPACITY
7295	45.4 tonnes (50 tons)
7395	63.5 tonnes (70 tons)
7495 HD	81 tonnes (90 tons)
7495 HF	109 tonnes (120 tons)
7495	109 tonnes (120 tons)



HYDRAULIC SHOVELS & EXCAVATORS

From removing overburden to loading haul trucks, hydraulic shovels and excavators have proven success across mining applications. Multiple design upgrades result in reduced swing times and more energy-efficient motions, while a sturdy undercarriage and high-level diagnostic systems reduce downtime. Caterpillar offers the widest payload range in the industry, including smaller hydraulic excavators often used in support applications.

SHOVEL

MODEL NO.	MAX BUCKET CAPACITY
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6015 / 6015 FS	7 m ³ (9.2 yd ³)
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6018 / 6018 FS	10 m ³ (13.1 yd ³)
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6030 / 6030 FS	17 m ³ (22.2 yd ³) FS: 16.5 m ³ (21.6 yd ³)
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6040 / 6040 FS	22 m ³ (28.8 yd ³)
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6050 / 6050 FS	28 m ³ (36.6 yd ³) FS: 26 m ³ (34 yd ³)
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6060 / 6060 FS	34 m ³ (44.5 yd ³)
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RANGE

6090 FS	37-52 m ³ (48-68 yd ³)
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6120B H FS	46-65 m ³ (60-85 yd ³)
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EXCAVATOR

MODEL NO.	NET POWER
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336E	217 kW/291 hp
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345D L	283 kW/380 hp
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349E	295 kW/396 hp
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365C L	302 kW/404 hp
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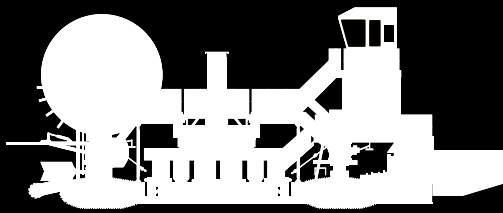
374D L	355 kW/476 hp
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385C L	382 kW/513 hp
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390D L	390 kW/523 hp
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HIGHWALL MINERS

Highwall Miners deliver an efficient, proven and durable method for mining coal from outcropping horizontal seams—recovering up to 70 percent of in-place coal. The entire mining cycle is completed by a three- to four-man crew, with no personnel going underground at any time.







WHEEL LOADERS

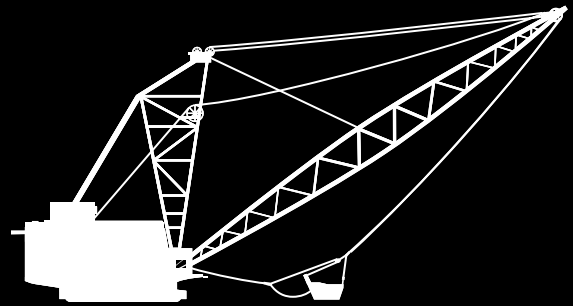
Wheel loaders are essential tools for earthmoving on any mine site. Cat Wheel Loaders offer a variety of buckets and features allowing extensive customization to meet site-specific needs. These machines offer efficient production in the toughest conditions.

MODEL NO.	RATED PAYLOAD
988H	11.4 tonnes (12.5 tons)
990H	15 tonnes (16.5 tons)
992K	21.8 tonnes (24 tons)
993K	27.2 tonnes (30 tons)
994H	35 tonnes (38 tons)









DRAGLINES

Draglines are the largest and most powerful machines in the mining industry, providing the fastest and most environmentally friendly means of overburden removal available. With more than 45 sets of specifications across a range of sizes, our application engineers can set up customers with the machine that meets their exact needs.

MODEL NO.	BUCKET CAPACITY
8000	32 m ³ (42 yd ³)
8200	45–61 m ³ (60–80 yd ³)
8750	76–129 m ³ (100–169 yd ³)

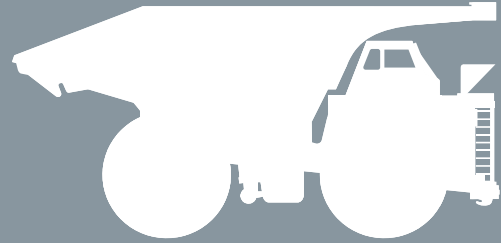




WHEREVER THERE'S HAULING

Our customers demand a lot from their haulage fleets: the lowest possible cost per ton over the life of the machine. Faster speed on grade for improved productivity. Improved serviceability. The latest in safety enhancements. And because no two mine profiles are the same — a hauling solution that's customized for their application. We have the industry's broadest product line, with hauling products for every application — high heat or arctic temperatures; extreme uphill applications; long, flat haul profiles; downhill loaded hauls; and high altitude environments. Our wheel tractor-scrapers are ideal for unique earthmoving needs and Cat belt systems are mobile, modular and flexible.



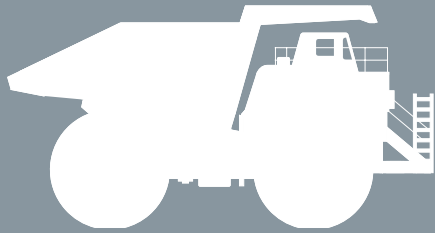


MINING TRUCKS:

MECHANICAL DRIVE

Moving high volumes of material at the lowest possible cost is the goal of every surface mining operation. The selection of a truck fleet is a significant investment that requires careful consideration. Caterpillar offers a wide range of mechanical drive mining trucks that deliver what mining customers demand: physical availability, optimized payload, fuel efficiency, operator comfort, enhanced serviceability and best-in-class performance.

MODEL NO.	RATED PAYLOAD
777D	90 tonnes (100 tons)
777G	96 tonnes (106 tons)
785C	136 tonnes (150 tons)
785D	136 tonnes (150 tons)
789D	181 tonnes (200 tons)
793D	227 tonnes (250 tons)
793F	227 tonnes (250 tons)
797F	363 tonnes (400 tons)



MINING TRUCKS: ELECTRIC DRIVE

Caterpillar makes four models of AC electric drive trucks, and combined with our offerings from the Unit Rig truck line, we offer mining customers more choices to fit their specific needs for optimizing production at the lowest cost. These products are continually improving, with record investments in Research & Development and the combined experience of both Caterpillar and Unit Rig.

CAT MODEL NO. RATED PAYLOAD

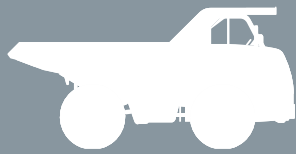
793F AC	218 tonnes (240 tons)
795F AC	318 tonnes (350 tons)
MT4400D AC	221 tonnes (244 tons)
MT5300D AC	291 tonnes (320 tons)

UNIT RIG MODEL NO. RATED PAYLOAD

MT3300 AC	136 tonnes (150 tons)
MT3700 AC	186 tonnes (205 tons)
MT6300 AC	363 tonnes (400 tons)







OFF-HIGHWAY AND ARTICULATED TRUCKS

(UNDER 100 TONS)

Cat Off-Highway and Articulated Trucks are built for tough mining, quarry and earthmoving applications. These flexible machines can be tailored to meet a wide variety of support functions in the mining industry. They help customers feed their production plants, manage overburden and haul dirt quickly, safely and efficiently. Articulated trucks, designed for rough terrain, include a unique Ejector model that allows for quick and clean dumping on the go.

OFF-HIGHWAY

MODEL NO.	RATED PAYLOAD
770	36.3 tonnes (40 tons)
770G	36.3 tonnes (40 tons)
772	46 tonnes (51 tons)
772G	45 tonnes (50 tons)
773E	55.5 tonnes (61 tons)
773G	56.5 tonnes (62.3 tons)
775G	65 tonnes (71.7 tons)

ARTICULATED

MODEL NO.	RATED PAYLOAD
725	23.6 tonnes (26 tons)
730	28.1 tonnes (31 tons)
730 Ejector	28.1 tonnes (31 tons)
735B	32.7 tonnes (36 tons)
740B	39.5 tonnes (43.5 tons)
740B Ejector	38 tonnes (42 tons)







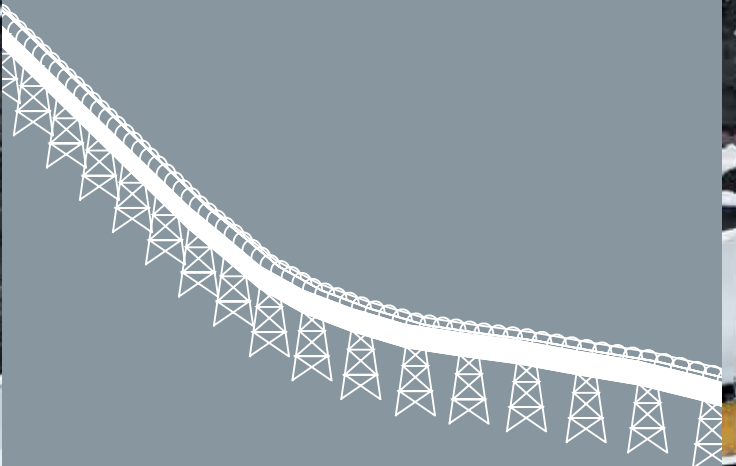


WHEEL TRACTOR- SCRAPERS

Caterpillar is the only company that manufactures a full line of scrapers, an efficient earthmover that is ideal for moving large amounts of material in little time. Mine applications include overburden removal, mining commodities, infrastructure development, haul road maintenance and land reclamation.

MODEL NO.	CAPACITY HEAPED
621H	18.4 m ³ (24 yd ³)
623H	17.3 m ³ (23 yd ³)
627H	18.4 m ³ (24 yd ³)
631G	26 m ³ (34 yd ³)
637G	26 m ³ (34 yd ³)
657G	33.6 m ³ (44 yd ³)





BELT SYSTEMS

Belt systems are the product of choice for bulk material handling in a number of applications, including overburden removal, commodity mining and coal handling. Commonly referred to as terminal groups, belt systems include a tail, a head, and all necessary equipment in between. Idlers support the conveyor belt and pulleys are employed to transmit power and maintain control of the belt during operation.







WHEREVER THERE'S **GRADING & DOZING**

The most important machines on a mine site may not always be the ones loading and hauling ore. Support equipment has a significant impact on mine-site productivity by making it possible for production machines to work quickly and efficiently. From building and maintaining haul roads to ensuring the loading area is optimized for fast cycle times, support equipment is a key enabler to lowering cost per ton and improving profitability.



TRACK-TYPE TRACTORS

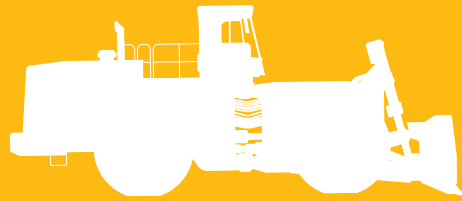
Track-type tractors are some of the most versatile machines in mining—moving material to build, maintain and reclaim mine sites. These universal machines work in dozens of different applications, climates and environments, and can be customized with tools like rippers, rakes, coal blades and reclamation blades to meet site-specific requirements.

MODEL NO.	FLYWHEEL POWER
D8R	228 kW (305 hp)
D8T	231 kW (347 hp)
D9R	302 kW (405 hp)
D9T	306 kW (410 hp)
D10T	433 kW (580 hp)
D11T	634 kW (850 hp)
D11TCD	634 kW (850 hp)









WHEEL DOZERS

From road construction and maintenance to site cleanup, wheel dozers are rugged machines that fill a number of applications throughout the life cycle of a mine. They combine the production capability of a track-type tractor with the all-terrain maneuverability and versatility of a wheel loader.

MODEL NO.	GROSS POWER
834H	414 kW (555 hp)
844H	512 kW (687 hp)
854K	674 kW (904 hp)



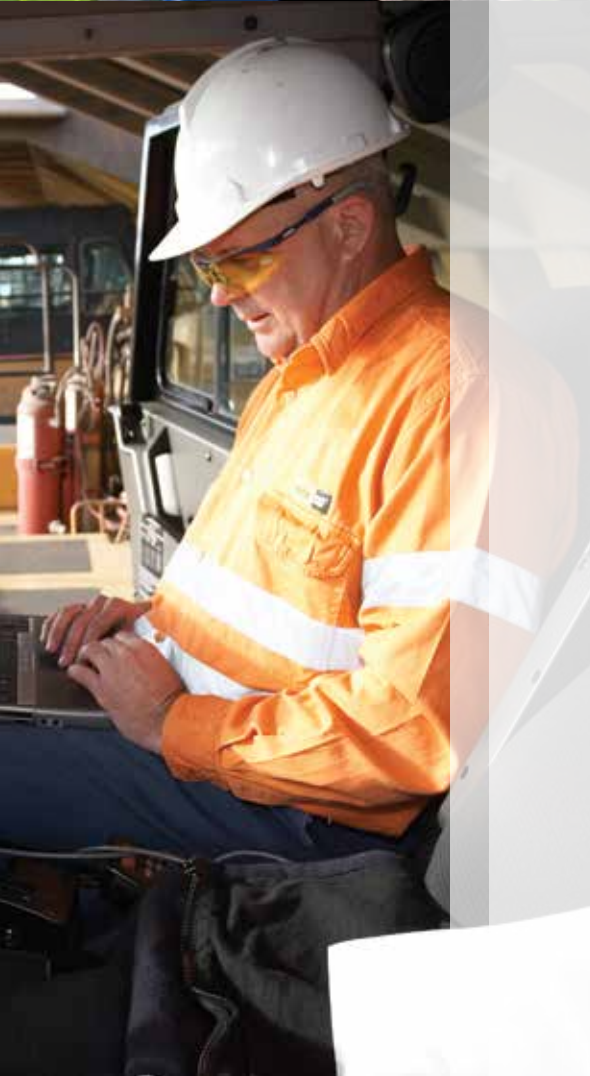
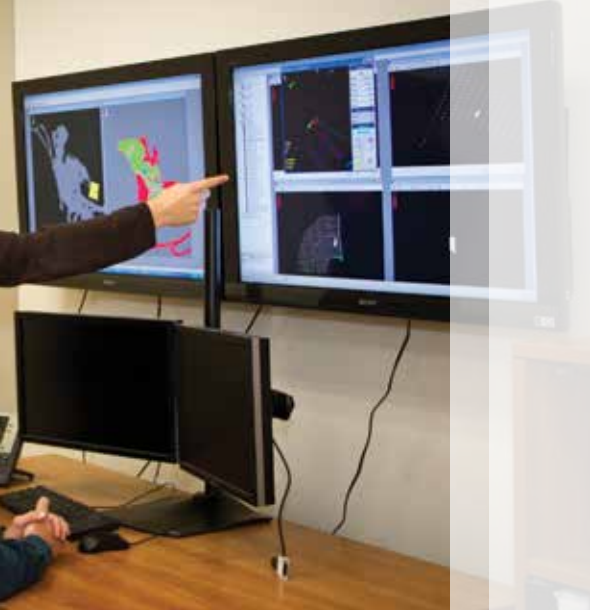


MOTOR GRADERS

Motor graders help create and maintain constant grade and proper drainage on haul roads, and have a direct influence on mine-site productivity and costs. When haul roads are kept in top condition, trucks run faster, cycle times improve and more ore is produced. Good road conditions also reduce truck maintenance, lower fuel costs and reduce tire damage.

MODEL NO.	BASE POWER
14M	193 kW (259 hp)
16M	221 kW (297 hp)
24M	397 kW (533 hp)





WHEREVER THERE'S A NEED FOR M O R E

Caterpillar offers more equipment for mining than any other manufacturer. But the power of Caterpillar is more than iron. It's our technologies, which are improving the way mines manage fleets, track materials and keep people safe. It's the end-to-end services we provide, like power, rail and financing. It's our knowledge and expertise, which we leverage to create a unique mix of solutions to meet site-specific needs. And it's the unparalleled support that Caterpillar and Cat dealers provide after our machines go to work.





CAT MINESTAR™ SYSTEM

Cat MineStar System, our comprehensive suite of mining technology products, consists of a number of configurable capability sets for both surface and underground mines that allow customers to scale the system to their needs. The system helps manage everything from material tracking to sophisticated real-time fleet management, machine health systems, autonomous equipment systems and more.

Cat MineStar System lets sites integrate products, processes and people like never before—so our customers can define what next generation means for their operation.



FLEET

Fleet offers real-time machine tracking, assignment and productivity management, providing a comprehensive overview of all asset operations from anywhere in the world.



TERRAIN

Terrain enables high-precision management of drilling, dragline, grading and loading operations through the use of guidance technology. It increases machine productivity and provides real-time feedback for improved efficiency.



DETECT

Using a combination of radars, cameras and an in-cab display, Detect provides equipment operators with enhanced awareness for increased site safety.



HEALTH

Health delivers critical event-based machine condition and operating data for the entire fleet. It includes comprehensive equipment health and asset monitoring capabilities with a wide range of diagnostic, analytic and reporting tools.



COMMAND

Command enables remote control, semi-autonomous and autonomous systems for mobile mining equipment. By integrating the capabilities of Fleet, Terrain, Detect and Health, it delivers dramatic improvements in safety, productivity and availability.





END-TO-END **SERVICES** AND SOLUTIONS

Caterpillar is the world's leading manufacturer of equipment for the mining industry. We're also the leading provider of a number of support products, services, knowledge and solutions that allow us to be a true one-stop shop for mining companies.

We offer financing, innovative trade arrangements, and rental and used products to help customers get the equipment they need. We provide generator sets to help customers power their operations, rail products and services to transport materials around the world, and a line of on-highway and bare chassis trucks that can be customized to meet specific support needs.

We leverage our knowledge and experience, partnering with customers at every stage of the mining process—from greenfield development to mine site reclamation. We identify improvement opportunities, evaluate alternatives and develop an innovative, customized solution specific to each operation. Then we work together to execute the solution and achieve targeted results.

Each site-specific solution will include a unique mix of Caterpillar and Cat dealer capabilities enabled by industry-leading technologies. Just as no two operations are the same, no two Cat Solutions are the same. We approach each situation differently, striving to deliver exactly what our customers need—no more, no less.

CAT DEALER NETWORK

The Cat product line is unmatched in the industry. But one of our biggest differentiators isn't our products themselves; it's the way they're distributed and supported. When it comes to service and support, the global Cat dealer network is unparalleled.

This one-of-a-kind, on-the-ground support network delivers expert service, integrated solutions, after-sales support, fast and efficient parts fulfillment, world-class remanufacturing capabilities and more. Dealers partner with customers to help them improve operations, maximize machine productivity and minimize costs.

Cat dealers operate as nearly 200 local businesses — each one fully embedded in and committed to the geographic area it serves. That means our customers work with people they know, who know their business, respond on their timeframe and care about making their community a better, safer place to live and work.

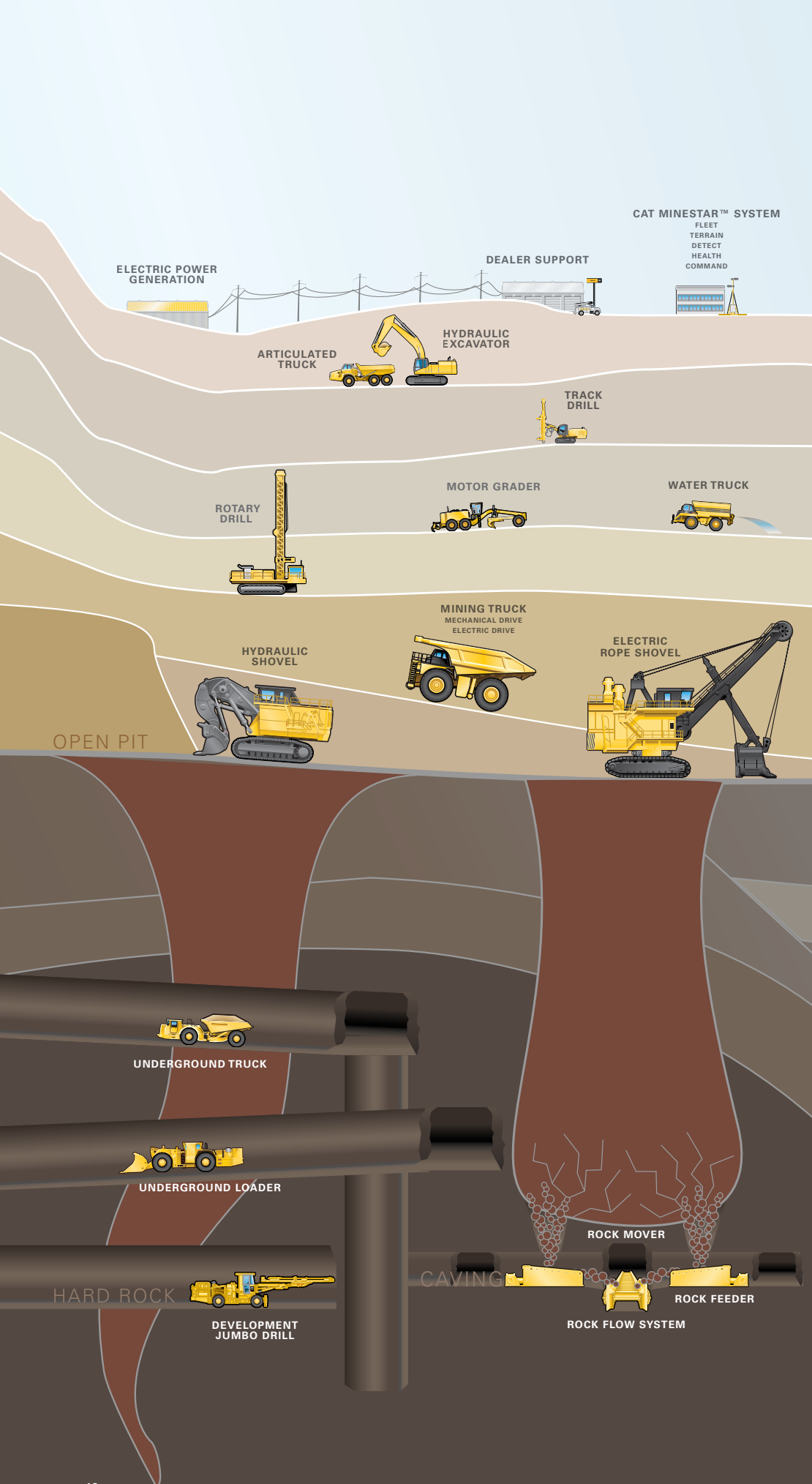
NEARLY
200
DEALERS

MORE THAN
1,000
LOCATIONS

MORE THAN
140,000
EMPLOYEES

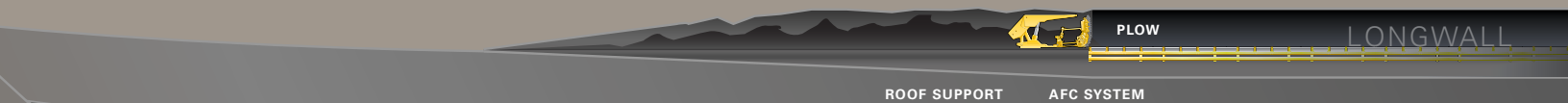
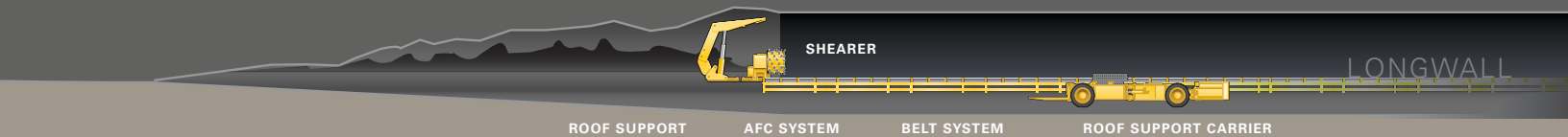
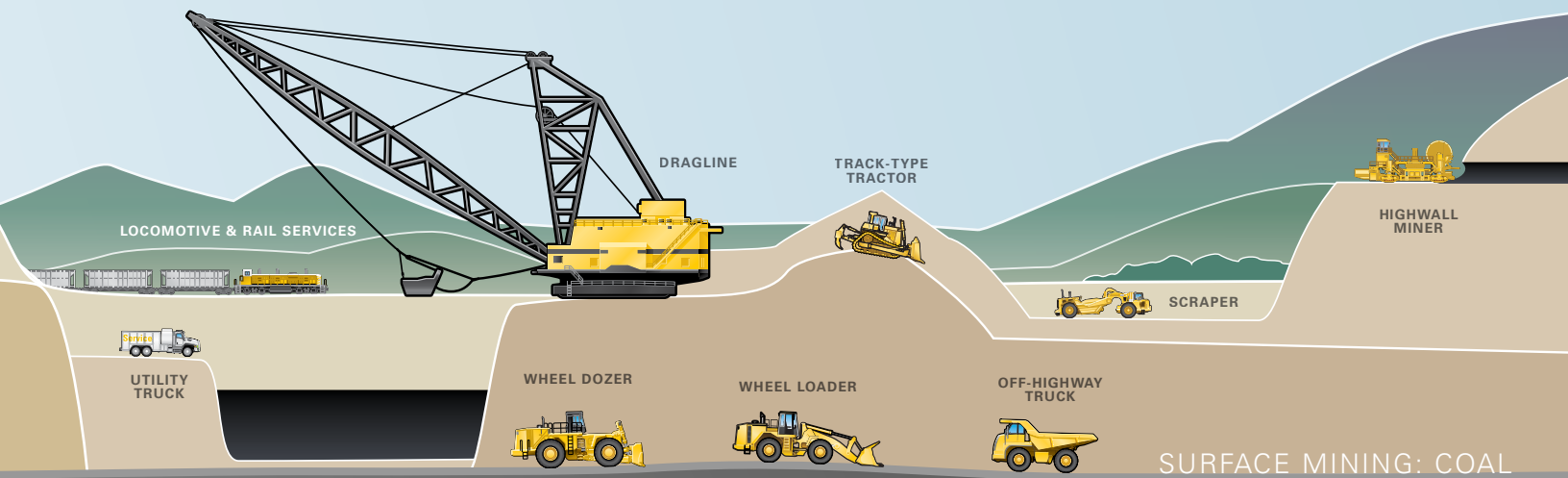







BROADEST PRODUCT LINE IN THE MINING INDUSTRY

Caterpillar gives the mining industry access to the broadest line of underground and surface mining equipment in the world—from one source. And behind the great products are the people. A team with over 100 years of experience, innovation and entrepreneurship. And one focus: helping mining customers succeed.





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