



### LEVERAGING COMMERCIAL SOLUTIONS

Steve Ferguson, SVP Industrial Power Systems Division Randy Tymofichuk, VP & GM, Caterpillar Defense

# Key Messages

- Global leader providing solutions to solve our customers' most challenging problems
- Diverse portfolio of machines and power solutions
- Commercial approach with tailored military modifications
- Global logistics capability worldwide Cat<sup>®</sup> dealer network
- Serving U.S. Armed Forces and allied militaries since WWI

### This is Caterpillar







Sales & Revenues Outside the U.S.

17 Brands

156 **Cat Dealers** ~190 Countries Served







WE HELP OUR CUSTOMERS BUILD A BETTER, MORE SUSTAINABLE WORLD.



Construction Equipment



Mining Equipment



Off-Highway Diesel & Natural Gas Engines



Industrial **Gas Turbines** 



**Over \$936M** Contributed to global Locomotives

**CATERPILLAR** 

FOUNDATION

CATERPILLAR

communities since 1952

**Primary Locations** 

25 Countries





Based on Year-End 2023 Data











Caterpillar.com



# CATERPILLAR DEFENSE

For over 100 years, we have supplied reliable products and solutions to government agencies and military forces worldwide. Supporting people who put their lives on the line to provide security, generate energy and supply humanitarian aid.

Today, we continue to deliver leading-edge products and global services, working around the clock and around the world to deliver the power and performance that our customers need.

























# **OUR SOLUTIONS**

MACHINES ENGINES MARINE POWER GENERATION LIFECYCLE SOLUTIONS

WAS INCLUDED TO THE CONTROL OF THE

### **DIVERSE PORTFOLIO OF PRODUCTS AND SOLUTIONS**





### Wide Range of Solutions

#### **Machines**























Powertrain / Reman

Marine

**Electric Power** 

**Parts & Services** 





D7R-II Track-type Tractor



D6K Track-type Tractor



Reman services

613C Wheel Tractor Scraper

CS-433C Compactor





Bespoke assemblies Modified commercial



Military off-the-shelf product



Standard commercial

product



Engineering services



Tracked 20T to 36T vehicles Wheeled 6x6 and 8x8



Tracked applications Wheeled applications



Tracked applications Wheeled vehicles 4x4 6x6 8x8



Land systems powertrain Complete Powerpacks Military applications



**Engines** 







product

MBAP All Terrain Vehicle



Otokar Infuntry Fighting Vehicle C13 6804P



Mine Protected Motostred Infantry Vehicle



C5.8 450HP General Dynamios



Armoned Combat Vehicle C8.8 450 HP



Heavy Equipment Transport C18 T00HP



Aircraft Research Fire Flohting Vehicle C15 680HP



Heavy Expanded Mobility Tactical Track Mine Resistant Ambush Protected Vehicle C13 440HP C15 500HP



Armored Combet Vehicle C13 711 HP



Ongoing programs

USM Columbia (164) Design sed 1 x 3516C EDG













UGA MOV-L(37)



USN PS (X) (130)



usco er ausgrag 2 x con prop







USN LCS & FFC (C) 4 × C12 SSDG



















### Adapting to Combat Environments | MACHINES



2-Person Armored Cab – Crew Protection Kit (CPK)

- Modular design
  - Interchangeable 1 or 2 crewman cabs
- 360° protection from small arms and fragmentation
- Transparent armor
- Rear-view camera
- ROPS protection
- Emergency egress hatch
- STANAG 2 standard
- STANAG 3 option
- RPG protection option





### Technology Solutions | MACHINES

Advanced Cat® remote controls and vision systems for dozers put more distance between engineers and threats.

- Less time spent in hazardous conditions
- Minimize fatigue
- Reduce exposure to dust and sand

By removing the operator from the machine, **Remote Control Solutions** opens new possibilities—for safe operation in hazardous areas.





# Cat<sup>®</sup> Command is revolutionizing commercial operations across the globe.





Caterpillar Defense designs and builds industry-leading, mission-focused power generation solutions providing uninterrupted energy for a variety of applications.









### Service Life Extension Program (SLEP) | LIFECYCLE SOLUTIONS

### **U.S. Models Offering SLEP**

Models: D7G, 613C, 621B, 621G, CS433C, CS563D,

815HSC, DSWR, 613C WD, 130G, 120M,

966H, D7RII, D6K, 924G









### Condition Monitoring | LIFECYCLE SOLUTIONS

Condition monitoring helps lower operating costs and improve availability by proactively analyzing an asset's health to provide maintenance, component replacement and repair recommendations.









# MOVING FORWARD



### **Investing in Lower-Carbon Advanced Power Technology**

## ESTABLISHED POWER SOURCES

More efficient and fuel-flexible



### **Low-Carbon Intensity Fuels**

Increased use of reduced-carbon options and hydrogen blends

# HYBRID & ELECTRIC DRIVE

Established power sources coupled with new technologies



### **Electric and Hybrid Powertrains**

Electric drive transmission with power components



### **Microgrids**

Integrate renewable energy sources into electric power systems

# EMERGING POWER SOURCES

Replacing established power sources



#### **Batteries**

Stored electrical energy



#### **Fuel Cells**

Renewable hydrogen fuel as a scalable source



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# Cat Defense Days – Product Showcases

### 2024 Customer **Demo Events**

Malaga, Spain May 14<sup>th</sup> & 15<sup>th</sup>

Peoria, Illinois November 1st & 2nd







