

COMMON FIRE CONTROL SYSTEM (CFCS)

Advanced mission systems for rocket launch vehicles like the M142 High Mobility Artillery Rocket System (HIMARS) and M270 Multiple Launch Rocket System (MLRS)

The goal of all battlefield commanders is to deploy a force that is better equipped than their adversary. L3Harris' CFCS creates a more capable rocket launch vehicle with advanced common launcher control units (CLCU), weapon control units (WCU) and power switching units (PSU) that give operators the upper hand.

MODERNIZED FIRE CONTROL SYSTEMS

L3Harris is assisting the U.S. Army and allied forces around the world establish battlefield dominance by supplying technologically advanced fire control units for rocket launch vehicles. That includes the M142 HIMARS wheeled vehicle and the tracked MLRS. These units have been upgraded for more rapid production and enhanced digital processing power to ensure U.S. and allied soldiers have the equipment they need to achieve overmatch.

ADVANCED MISSION PROCESSING

The highly efficient design of the common launcher control unit provides both the HIMARS and MLRS platforms the processor and interface to control the launcher's electrical and hydraulic motors. The technologically advanced weapon control unit provides data processing, power controllers and interfaces to the weapons. The efficient power switching unit routes and switches high currents and provides a means of monitoring the power voltages and currents.

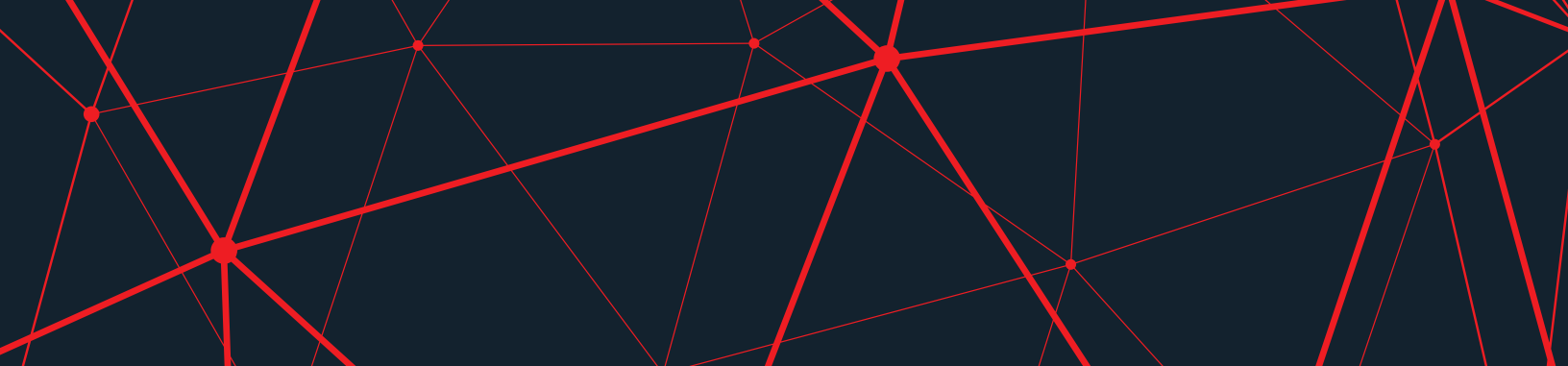


The CLCU, WCU and PSU make up the Common Fire Control System



BENEFITS

- > Advanced mission processing expertise ensures optimal performance on the battlefield
- > Weapon control unit provides data processing and power control interface to the weapons to achieve dominance over near peer threats
- > Power switching unit routes and switches high currents and provides a means of monitoring power voltages and currents to ensure a successful weapon launch



L3Harris has been providing the fire control systems to the HIMARS and MLRS rocket launch vehicles since the early 1990s. The company achieved this long-standing record of excellence by providing the highest-performance mission processing solutions for our nation's most advanced weapon systems. These solutions offer reliable, secure and technologically advanced compute operations for the most critical mission to keep pace with national security threats.

L3Harris is proud to be part of the decades-long success of Lockheed Martin's combat-proven HIMARS and MLRS family of launcher platforms. Our Common Fire Control System provides a key function for the launch operations of both vehicles.

Increased demand for highly mobile precision fires products such as HIMARS and MLRS reflects the significant impact ground fires are having on today's battlefield. This is exemplified by the unprecedented speed and agility the vehicles possess in order to achieve overmatch against near peer threats.



LOCKHEED MARTIN MLRS



LOCKHEED MARTIN HIMARS

Photo Credits: Lockheed Martin

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L3Harris Technologies is a Trusted Disruptor for the global aerospace and defense industry. With customers' mission-critical needs always in mind, our 46,000 employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains.



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