



Description

This Main Battle Tank is considered the backbone of the U.S. Army. Its main purpose is to destroy opposing armies and their armoured vehicles and tanks.

Wars and other Military Operations

M1s were used in at least the following wars and military operations:

Iraq (1991) and Iraq (2003). (See page 31.)

Weapons

The M1's M256 cannon fires two types of 120mm rounds: (1) kinetic energy projectiles that use radioactive, depleted uranium to penetrate armour, and (2) high explosive anti-tank rounds that use blast and fragmentation warheads.

Prime

Contractor

General Dynamics (Land Systems Division) (USA)

CPP Investment ✓

(See pp. 6-7)

Canadian Parts and Services

The following is a partial list of Canadian companies and the parts and/or services they provided for the M1:

Bristol Aerospace: engine housings

Canadian Commercial Corp. (companies undisclosed):

- Guns, 75mm through 125mm
- Vehicular Brake, Steering, Axle and Wheel Components
- Miscellaneous Power Transmission Equipment
- Guns, 75mm through 125mm
- Optical Sighting and Ranging Equipment
- Vehicular Power Transmission Components

DRS Technologies: laser warning display systems and laser range finder remote displays

DY 4 Systems: single board microprocessor (for M1-A2)

ELCAN Optical Technologies: laser rangefinder optical telescopes for controlling weapons fire (for the M1-A2)

General Dynamics (formerly Computing Devices Company): (1) main computer to control the firing of weapons, (2) flat panel Electroluminescent and full colour Active Matrix Liquid Crystal Display (for the M1-A2)

Honeywell ASCA: Misc. Electrical/Electronic Components

Litton Systems Canada: display panels

Magellan Aerospace Corp: High Pressure Cylinder Assemblies for engines

Professional Machine: roadwheel assemblies

Walbar Canada Inc.: low pressure turbine nozzle segments for F404 engines



Description

The Paladin is the most technologically advanced howitzer (cannon) in the US inventory. It is similar to a tank in that it is an armoured, self-propelled, tracked vehicle. It has onboard computers for navigation and to control firing of its weapon. With a maximum speed is 35 mph, it can fire up to four rounds per minute to ranges of 30 kilometres.

Wars and other Military Operations

M109s were used in at least the following wars and military operations: Iraq (1991), Yugoslavia (1997, 1999) and Iraq (2003). (See page 31.)

Weapons

Paladin's are equipped with an M2 (0.50 caliber machine gun). Their main weapon however is a M284 cannon (155 mm, 39 caliber). It can be used to fire W28, W48 and W82 "low yield" nuclear artillery shells.

Prime

Contractor

United Defense (owned by Carlyle Group) (USA)

CPP Investment ✓

(See pp. 6-7)

Canadian Parts and Services

The following is a partial list of Canadian companies and the parts and/or services they provided for the M109

Bata Industries Ltd: Vehicular power transmission

Canadian Commercial Corp. (companies undisclosed):

- Large calibre gun system weapons
- Vehicular Cab, Body, and Frame Structural Components
- Electrical Control Equipment

General Dynamics: Flat panel Electroluminescent and full colour Active Matrix Liquid Crystal Displays

General Kinetics Engineering: Vehicular Cab, Body, and Frame Structural Components

Professional Machine Service: Vehicular Cab, Body, and Frame Structural Components, (2) Vehicular Brake, Steering, Axle, Wheel, and Track Components

Tecmotiv Corporation: full logistics support from manufacture of components to the supply of complete assemblies, propulsion system upgrades and repair and return service for all major components