



Canadian Parts and Services

The following is a partial list of Canadian companies and the parts and/or services they provided for the C-130:

Advanced Composite Structures Inc.: Repair and overhaul for rotor blades and composite components

CAE: (1) pilot and flight engineer ground-school training systems including computer-aided instruction and full flight simulators, and (2) computer-based training, training management info system, maintenance and support, including: Integrated

Cockpit Systems Trainer; Fuselage Trainer for loading, unloading, cargo rigging procedures; Weapon Systems Trainers; Avionics Systems Management Trainer (for the C-130J).

Canadian Commercial Corp. (companies undisclosed):

- gas turbines and jet engine
- engine fuel system components for aircraft and missiles
- nonpowered valves
- maintenance and repair of communications equipment
- maintenance and repair of aircraft structural components
- liquid and gas flow, liquid level & motion measurement instruments
- Miscellaneous Communication Equipment
- Bearings, Antifriction, Unmounted
- Aircraft Landing Gear Components
- Engine Fuel System Components, Aircraft and Missile Prime Movers

CMC Electronics: Data Interface Unit

DRS Flight Safety & Communication: radio navigation equipment

Héroux-Devtek Inc: manufacture, repair and overhaul of landing gear and components

L-3 Communications Wescam: long-range surveillance camera and gyro-stabilization turrets

Litton Canada: advanced flat panel displays (for C-130J).

Lockheed Canada: airframe structural components

Messier-Dowty Inc. (aka **Hispano-Suiza Canada**): Propeller Ice Protection System Controller (for the C-130J).

MHD International Aviation: (1) Aircraft Air Conditioning, Heating, and Pressurizing Equipment, (2) Miscellaneous Power Transmission Equipment

Nav-Aids: equipment for maintenance and repair shop

Northrop Grumman: Ring Laser Gyro Inertial Navigation system

Simgraph: Simulation-Based Training Aids software for maintenance technicians

Spar Aerospace Ltd.: maintenance overhauls and aircraft progressive structural inspections

Standard Aero: Repair and overhaul of airframe accessories (propellers, elevator and aileron boosters, oil temperature controls and steering cylinders)

Description

The C-130 is a turbo-prop cargo plane that can use rough, dirt airstrips. It is the primary means of transport for dropping troops, vehicles and armament into battle zones. It has accumulated over 20 million flight hours and is said to be the most versatile, tactical transport aircraft ever built. Some variants of the C-130 are used to refuel other warplanes, on the ground or in flight.

Wars and other Military Operations

C-130s have been used in at least the following wars and military operations:

Lebanon (1958), Congo (1960-1961), Congo (1964-1965), Dominican Republic (1965), Vietnam (1962-1975) (1965-1975), Korea (1968-1969), Cambodia (1970), Israel (1973), Korea (1976), Zaire (1978), Iran (1980), Grenada (1983), Panama (1989), Iraq (1991), Somalia (1991-1992), Angola (1992), Sierra Leone (1992), Somalia (1992-1994), Haiti (1994-1995), Rwanda (1994-1996), Yugoslavia (1992-1996), Yugoslavia (1995-1996), Yugoslavia (1999), Liberia (1996), Afghanistan (2001-present) and Iraq (2003). (See page 31.)

Weapons

Being a cargo/transport, the C-130 is not generally equipped with weapons. However, during the Vietnam War, specialized C-130s were used to spray Agent Orange and to drop the BLU-82 ("Commando Vault"), the largest conventional bomb (which is still in use in Iraq).

(For details, see "Bombs, Guns and Missiles," pp. 32-37.)

Canadian War Shows

This warplane has "performed" for audiences at Canadian "air shows," including the following:

Abbotsford (BC), Cold Lake (AB), Hamilton (ON), Lethbridge (AB), London (ON), Muskoka (ON), North Bay (ON), Ottawa (ON), Owen Sound (ON), Quebec (QC), Sarnia (ON), Saskatoon (SK), Shearwater (NS), Sydney (NS), St. Stephen (NB), Toronto (ON) and Winnipeg (MB).

Prime Contractor

Lockheed Martin (USA)

CPP Investment ✓

(See pp. 6-7)