

Doosan Corp.

**Canada Pension Plan
2011 Investment**

\$3 million

For four decades, this South Korean holding company, with current assets of US\$14.6 billion, has produced main battle tanks, armoured troop carriers, self-propelled howitzers, ammunition-supply vehicles, ground-to-air missiles and numerous other weapons used by the armies, navies and air forces of US allies.

Warplane components

In 1995, one of Doosan's divisions, Mottrol, developed the "[h]ydraulic [pump] system and electro-hydraulic servo valve for UH-60 helicopter[s]." Doosan had originally entered the aerospace business in 1984 when its Infracore division began supplying US weapons-maker General Dynamics with airframe parts for the F-16 fighter/bomber. The US has been transferring UH-60 "Black Hawk" military helicopters and F-16 warplanes to the Israel Air Force for decades. Israel has used these aircraft in numerous missions including the attacks on Lebanon (2006) and Gaza (2008-2009).

Milling hardware

Doosan has also supplied manufacturing hardware to Israel's Ashot Ashkelon Industries (AAI), a subsidiary of weapons maker, Israel Military Industries Ltd. (IMI). AAI website says the company uses Doosan-HM800 Horizontal Milling equipment. AAI is a leading manufacturer for Israel's three government-owned war contractors: Israel Aerospace Industries, Rafael and IMI. (See "State-owned Israeli War Industries," pp.48-49.)

AAI's customers also include Sikorsky, which produced Israel's UH-60 and CH-53 "Sea Stallion" military helicopters. AAI also supplies parts to Renk (Germany) and Urdan (Israel), which make the transmission systems and ballistic steel materials, respectively, for Israel's Main Battle Tanks. AAI is itself a leading manufacturer of

gear-based and drive-train products for tanks, armoured troop carriers and other army vehicles. It also makes tungsten-based, armour-piercing penetrators and fragmentation parts for anti-tank ammunition.

Building the Wall and Checkpoints

Doosan is also deeply complicit in Israel's military occupation of Palestine through its subsidiary, Bobcat. The Bobcat Company, being a business of Doosan Infracore International, a US-based subsidiary of Doosan Infracore, is part of the Doosan Corp. empire. It manufactures construction equipment that has been used to build Israel's separation wall as well as various checkpoints in the occupied territories. Doosan's construction machinery is almost exclusively powered by engines made by Kubota Corp. (See table "CPP investments," p.53.)

The "Who Profits from the occupation" website reveals that Bobcat's sole representative in Israel is Emcol. This Israeli company supplies construction tools and equipment used to build settlement infrastructure in the West Bank, including the segregated roads that are reserved for Israeli use only and cannot be travelled on by Palestinians.

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Eaton Corp.

**Canada Pension Plan
2011 Investment**

\$2 million

In promoting its "Government and Military" products, Eaton's webpage begins with a telling line:

"Eaton's solutions are reliable, safe, innovative, efficient, and *environmentally sustainable*, and provide survivable, high performance and robust services in Land, Marine and Aviation *weapons systems*." (Emphasis added.)

It was, perhaps, Eaton's "environmentally sustainable" solutions for land-, sea- and air-based "weapons systems," that impressed the Ethisphere Institute. In 2011, it declared Eaton to be one of the "World's Most Ethical Companies." Ethisphere claims to honour firms that "truly go beyond making statements about doing business 'ethically' and translate those words into action." Eaton's products certainly see lots of action, military action.

With sales of US\$13.7 billion in 2010, this US manufacturer is one of the world's leading power-management companies. Eaton makes motors, as well as pneumatic and hydraulic systems for aircraft, land vehicles and industrial equipment. The company is proud to report that its aerospace products, including fuel, motion-control, cockpit-interface and propulsion systems, are used in "hundreds of military and commercial aircraft."

Eaton landed US\$1.16 billion in US federal government contracts between 2000 and 2009. Of these, US\$1 billion (88%) were with military departments and agencies.

US Weapons Systems in Israel

There are at least four kinds of major US weapons systems using Eaton components that have been sold to Israel, namely, F-15 and F-16 fighter/bombers, as well as AH-64 and UH-60 attack helicopters. Israel's use of these aircraft includes the bombing of Lebanon (2006) and Gaza (2008-2009).

Data obtained by COATI from the "Government Contracts USA Defense Department" database, show that between 1999 and 2009, Eaton and subsidiaries received 130 contracts worth US\$17.9 million to supply hardware for the first three of these weapons systems.

For instance, Eaton's F-15 contracts, worth US\$4.3 million, included weapon system hardware, valves, motors, wheel and brake systems, instruments, engines parts, and fuel systems.

Eaton's contracts for F-16s, worth US\$8.2 million, included weapon system hardware, landing gear parts, valves, tubes, pumps, batteries, motors and power transmission equipment.

Eaton had US\$5.4 million in contracts for AH-64s, including switches, valves, fittings, circuit breakers, wheel and brake systems, ground-servicing equipment, airframe structures and fuel systems.

Eaton says it is "a key supplier of hydraulic systems, fuel systems, fluid conveyance, electromechanical actuation, power and load management and avionics products on the UH-60." The US has transferred UH-60s to Israel's Air Force.

Eaton is also a "key systems supplier" for the F-35 "Joint Strike Fighter" which Israel has on order from Lockheed Martin. (See table "CPP Investments," p.53.) Eaton makes 40 hydraulic, fuel, actuation and control systems for the F-35, and says these contracts total US\$358 million per year.

Eaton's "Sales rep" in Israel

Eaton's website lists an Israeli firm called STG International Ltd. as its "sales rep organization" and "international distributor" in Israel. The STG website says it has been "Proudly serving Hi-Tech and Defense Industries in Israel since 1965."

Eaton Motors in Israel

Eaton also makes motors and hydraulic steering systems used by an Israeli military company called Zoko Enterprises.



Eaton says it makes "safe" and "environmentally sustainable" solutions for "weapons systems." Its products are used in US warplanes and helicopters such as F-15s, F-16s and AH-64s used by Israel.



Eaton now has contracts worth about US\$360 million per year for the F-35, which Israel will receive.

prises. This firm "specialises in the development, production, assembly and marketing of armoured vehicles, armoured earth moving machines, [and] robotic systems." Zoko has been the exclusive representative in Israel for Caterpillar Inc. and International Trucks (a subsidiary of Navistar), since 1948 and 1987, respectively. (See Caterpillar, pp.16-17, and Navistar, in table "CPP investments," p.53.)

Zoko's promotional materials say that it "has gained many years of experience in maintaining vehicles and earth moving machines for the Israeli Defense Forces (IDF)." The company

also proudly works "with the leading Israeli military industrial [sic], accomplishing various projects for the IDF."

Zoko's website reveals that it uses "Eaton hydraulic steering systems, designed for agricultural tractors, earth moving machines and trucks." It also uses "vane motors of the 25M, 35M, 45M and 50M models from Eaton Vickers," an Eaton subsidiary. These Eaton vane motors, says Zoko, "are designed for earth moving, agricultural and infrastructure tasks."

An online database called "Who Profits from the Occupation," notes that Zoko "[i]mports and markets heavy mechanical equipment" and that it represents Eaton in Israel.

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