

These 28 Companies Are Building Nuclear Weapons

By [International Campaign to Abolish Nuclear Weapons](#)

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ICAN and its partner organisation Pax have released [a report](#) with full profiles of 28 companies connected to the production of nuclear weapons.

Here are the 28 companies on ICAN's Red Flag list. Download the full report [here](#).

1. Aecom (United States)

Aecom is involved in work at the Lawrence Livermore National Laboratory, it is involved in research, design, development and production of nuclear weapons including the life extension program of the B61 nuclear bomb¹⁰ and of the W80-1 nuclear warhead for air-launched cruise missiles. Aecom has held this US \$45.5 million (€ 40.1 million) per year contract since 2007.

2. Aerojet Rocketdyne (United States)

Aerojet Rocketdyne is involved in maintaining the propulsion systems for Minuteman III Intercontinental Ballistic Missiles for the US, under a US \$28.9 million (€ 25.5 million) contract initially awarded in 2013. It also produces propulsion systems for the Trident II (D5) missiles for the US and UK. Aerojet Rocketdyne is also a subcontractor on the new Ground Based Strategic Deterrent for the US arsenal. In 2018, Aerojet Rocketdyne secured an additional five-year contract for US \$20 million (€ 17.6 million) for solid boost technology that will be applied to the next generation of weapons systems.



3. Airbus (Netherlands)

Airbus is a Netherlands based company involved in the ongoing maintenance and development of several nuclear armed missiles for the French nuclear arsenal through ArianeGroup, a joint venture with the French company Safran. Airbus is also part of the joint venture MBDA that supplies medium-range air to surface missiles, also for the French arsenal.

4. BAE Systems (United Kingdom)

BAE Systems has a maximum value US\$ 368.7 million (€ 328 million) contract originally from October 2014 that will run until 2021 that is paid by the US and UK governments for key components for Trident II (D5) missiles. BAE also has a

US\$ 951.4 million (€ 830.8 million) contract from the US Air Force for Minuteman III Intercontinental Ballistic Missile (ICBM) system, which will run until 2022. BAE is also involved in the French arsenal directly, through MBDA Systems, developing the mediumrange air-to-surface missile ASMPA and its successor, ASN4G. In July 2017, BAE got a new US\$ 45.2 million (€ 39.6 million) modification to an existing contract for development work on the Ground Based Strategic Deterrent (GBSD) intercontinental ballistic missile replacement programme.

5. Bechtel (United States)

Bechtel is a family run company involved in nuclear weapon development at the Lawrence Livermore National Laboratory, the Y-12 Complex, and the Pantex Plant. Bechtel currently has approximately US \$ 1,174 million (€ 1,035 million) in outstanding contracts at these facilities. Bechtel is also involved in one of the new nuclear weapons under design in the US, the Ground Based Strategic Deterrent, though their exact contract amount is unclear.

6. Bharat Dynamics Limited (India)

Bharat Dynamics Limited produces key components for the Prithvi-II and Agni- V nuclear capable missiles for the Indian arsenal.



7. Boeing (United States)

Boeing is building new nuclear weapons for the US. These include a 2017 contract for US\$ 349.2 million (€ 297 million) for the Ground Based Strategic Deterrent to replace the Minuteman III ICBMs. Boeing is also involved in the Long-Range Standoff weapon development and has been awarded several contracts since 2017 for this new nuclear weapon, valued at US \$ 344.5 million (€ 304 million). Boeing holds several contracts related to the the US long-range nuclear Minuteman Intercontinental Ballistic Missiles (ICBM). Boeing currently has contracts valued at over US\$ 703.3 million (€ 620 million) for key components for the Minuteman system. One of these contracts includes the development of 'kill switches' to cause the missile to self-destruct after launch. Boeing received a new US\$ 26.7 million (€ 23.0 million) contract from the US and UK for Trident II (D5) work in October 2018.²⁵ This is in addition to existing outstanding contracts for work related to the system valued at over US\$ 88.9 million (€ 79.0 million). Boeing is also producing the tail-kit assembly for the new B61 bombs. More than half of all these bombs are currently deployed by the US in five European countries (Belgium, Germany, Italy, the Netherlands and Turkey). The US\$ 185 million (€ 163 million) in contracts will mean the new B61-12 bombs are ready for use by May 2019. It is yet unclear when the new bombs will be delivered to their European locations, other companies are currently modifying the storage facilities in the host countries.

8. BWX Technologies (United States)

BWX Technologies has a new US\$ 76 million (€ 70.8 million) contract for Trident II (D5) components for the US and UK navies. BWXT also got a US\$ 505 million (€ 427.5 million) contract to prepare for additional US nuclear materials production

for nuclear weapons, this will initially be Tritium production, but there are also plans to produce additional nuclear materials in the near term. BWXT is also involved in the partnership that oversees the Lawrence Livermore National Laboratory, including the life extension program of the B61 nuclear bomb and of the W80-1 nuclear warhead for air-launched cruise missiles. The partnership receives US\$ 45.5 million (€ 37.6 million) a year for this work.

9. Charles Stark Draper Laboratory (United States)

Charles Stark Draper Laboratory has a US\$ 370.2 (€350.5 million) contract, paid by the US and the UK, for work on the Trident II (D5) system. In 2018, Draper got another US & UK funded to US\$ 109.5 million (€ 95.9 million) contract for additional work on the Trident system, including hypersonic guidance and support for hypersonic flight experiments, to be concluded by September 2019.

10. Constructions Industrielles de la Méditerranée (France)

Constructions Industrielles de la Méditerranée is included for the first time as more information on the specifically designed key components for the French nuclear arsenal has become available. CNIM designs and manufactures the submarine launching systems designed for the nuclear-armed M51 missiles.

11. Fluor (United States)

Fluor is involved at several US nuclear weapons enterprise facilities. Through a joint venture, Savannah River Nuclear Solutions (SRNS) it has an US\$ 8 billion (€ 7.1 billion) contract for efforts related to key components for the W88 Alt 370 program, the nuclear warhead deployed on the Trident II (D5).



12. General Dynamics (United States)

General Dynamics has a number of contracts related key components for the UK & US Trident II (D5) systems. An initial US\$ 30.6 million (€ 28.2 million) contract awarded in 2015 has been modified repeatedly (including five times between November 2017 and December 2018) bringing the total contract value to over US\$ 174.4 million (€ 155.6 million). Another General Dynamics subsidiary, General Dynamics Electric Boat received a maximum dollar value of US\$ 46.5 (€ 43.4 million) contract in September 2017 for integration work for United Kingdom Strategic Weapon Support System kit manufacturing for the Columbia class ballistic missile submarines. In 2018 this contract was modified significantly, first in April for US\$ 126.2 million (€ 102.4 million), and again for US\$ 480.6 million (€ 414 million) in September 2018.

13. Honeywell International (United States)

Honeywell International manages and operates the National Security Campus (NSC) (formerly Kansas City Plant), the facility responsible for producing an estimated 85% of the non-nuclear components for US nuclear weapons under a

five year US\$ 900 million (€ 817.4 million) contract awarded in July 2015. It is also a co-owner of Savannah River Nuclear Solutions (SRNS) which has a US\$ 8 billion (€ 7.1 billion) contract for efforts related to key components for the W88 Alt 370 program, the nuclear warhead deployed on the Trident II (D5). Honeywell is also associated with other US nuclear weapons enterprise facilities, including an outstanding US\$ 5 billion (€ 4.6 billion) contract for the Nevada National Security Site and a US\$ 2.6 billion (€ 2.5 billion) contract for the Sandia National Laboratory. Both facilities are responsible for warhead production, testing, and design. Also, Honeywell received new contracts in 2018 valued at US\$ 19.0 million (€ 16.2 million) for the PIGA guidance instrument for the Minuteman III.

14. Huntington Ingalls Industries (United States)

Huntington Ingalls Industries took over the management and operations for the Los Alamos National Laboratory in 2018 with a five-year contracted with an estimated value of US\$ 2.5 billion (€ 2.2 billion) annually. Huntington Ingalls Industries will be providing “personnel, systems, tools and corporate reachback in the areas of pit production, plutonium manufacturing, production scale-up and nuclear operations and manufacturing”. Huntington Ingalls Industries is also part of a US\$ 5 billion (€ 4.6 billion) contract at the Nevada National Security Site, and the US\$ 8 billion (€ 7.1 billion) contract at the US Department of Energy’s Savannah River Site and Savannah River National Laboratory in South Carolina.

15. Jacobs Engineering (United Kingdom)

Jacobs Engineering is part of the UK Atomic Weapons Establishment, which currently has a 25-year £ 25.4 billion (€29.6 billion) contract for maintenance of the UK Trident arsenal. Jacobs was also part of the group that took over management and operations of the Nevada National Security Site in 2017 under a 10-year US\$ 5 billion (€ 4.6 billion) contract.

16. Larsen and Toubro (India)

are involved in producing key components for the Indian nuclear arsenal. These include the launcher system for the nuclear-capable Prithvi II missile. It is also involved in the Dhanush, the ship-based variant of the Prithvi-II.

17. Leidos (United States)

Leidos is a minority partner of Consolidated Nuclear Services LLC (CNS), which took over the management and operation of the Y-12 National Security Complex in Tennessee and the Pantex Plant in Texas under the same US\$ 446 million (€ 326.5 million) contract in 2014. These facilities are involved in producing Tritium for US nuclear weapons as well as the M76/MK4A, W76-2, W80-1 and, W88 warhead modifications.

18. Leonardo (Italy)

Leonardo is an Italian company (formerly known as Finmeccanica) involved in the French nuclear arsenal through MBDA-Systems. In contracts from 2016, MBDA began design and development of the mid-life upgrade of the ASMPA to keep it in the French arsenal through 2035. In the 2019 French Ministry of Defence Budget, three deliveries of upgraded ASMPAs are planned after 2019. MBDA is also involved in work on the successor system (ASN4G) which is meant



to be operational after 2035.

19. Lockheed Martin (United States)

Lockheed Martin has outstanding Trident II (D5) contracts valued at approximately US\$ 6,550.1 million (€5,730.4 million). Of these US\$ 918.9 million (€ 801.9) were awarded in between March 2018 and January 2019. Lockheed also has at least US\$ 495 million (€ 413.6 million) in outstanding contracts related to the Minuteman III ICBM. It is also involved in a US\$ 900 million (€ 764.2 million) research and design contract for the new US the Air Force Long-Range Standoff (LRSO) missile. Lockheed Martin's nuclear weapon associated activities aren't limited to US missile production alone. It is also part of the 25-year £ 25.4 billion (€29.6 billion) contract for the UK Atomic Weapons Establishment.

20. Moog (United States)

Moog has developed launch vehicle and strategic missile controls for the Minuteman III and Trident (D5) missiles. Moog is also part of the Boeing team that won a US\$ 349.2 million (€ 297.0 million) contract in 2017 for technology maturation and risk reduction activities for the new Ground Based Strategic Deterrent.

21. Northrop Grumman (United States)

Northrop Grumman is currently handing over responsibilities to BAE Systems as the prime contractor for the Minuteman III ICBM system. This process began in 2013, but there have been repeated 'bridge' contracts valued at over US\$ 165.0 million (€ 128.3 million), most recently in September 2018. Now the handover process is expected to be complete in April 2019. Although Northrop Grumman is no longer the prime ICBM contractor, it still has additional US ICBM related contracts including those it took over when it acquired Orbital ATK. These additional contracts were mostly awarded in 2015, with a total value of approximately US\$ 1,852.9 million (€ 1,642.9 million). Northrop Grumman, via ATK Launch Systems was also awarded another Minuteman related contract for US\$ 86.4 million (€ 74.5 million) in September 2018. Northrop Grumman is also involved in the Trident II (D5) systems for the US and the UK, with outstanding contracts valued at approximately US\$ 531.3 million (€ 493.2 million). Many of these Trident II (D5) related production activities are meant to conclude in 2020. Northrop Grumman is also connected to the nuclear weapons facilities at the Pantex and Y-12 through at US\$ 446 million (€ 326.5 million) contract to the Consolidated Nuclear Services (CNS) joint venture.



22. Raytheon (United States)

Raytheon has an outstanding US\$ 33.4 million (€ 24.8 million) contract for work related to the Minuteman III ICBMs. Raytheon is also involved in new nuclear weapons development for the US. It is part of the Boeing team working on the Ground Based Strategic Deterrent, and in August 2017, Raytheon received a five-year contract for US\$ 900 million (€ 764.2 million) for the new Long-Range Standoff weapon.

23. Safran (France)

Safran is a French company and two of their subsidiaries (Snecma and Sagem) are developing key components for the M51 missiles for the French nuclear weapons arsenal. Safran is also part of the joint venture with Dutch company Airbus, responsible for ongoing production and maintenance of the missile system overall. This joint venture is also contracted to carry out the 2019 budgeted tasks of the French Ministry of Defence for three deliveries of upgraded ASMPAs after 2019.

24. Serco (United Kingdom)

Serco is a UK company involved in management and operations of the UK Atomic Weapons Establishment (AWE) under 25-year contract (1999 to 2024) valued at £ 25.4 billion (€29.6 billion).

25. Textron (United States)

Textron has an outstanding US\$ 17.2 million (€ 12.5 million) contract to convert up to six Minuteman III MK 12A re-entry vehicles to the Mod 5F configuration.

26. Thales (France)

According to the French Ministry of Defence, Thales is one of MBDA's subcontractors supplying medium-range air-to-surface missile ASMPA to the French air force.

27. United Technologies Corporation (United States)

United Technologies Corporation acquired Rockwell Collins in November 2018 and renamed it Collins Aerospace Systems. This company has an outstanding US\$ 76 million (€ 67 million) contract for the Airborne Launch Control System Replacement for the Minuteman III ICBM missiles.

28. Walchandnagar Industries Limited (India)

Walchandnagar Industries Limited produces launching systems for the Indian Agni series of nuclear armed missiles.

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