Germany

10 Financial Institutions made an estimated USD\$ 9,765 million (EUR 9,240 million^a) available to 27 nuclear weapon producing companies since January 2013.

Introduction

This document contains country specific information from the 2016 Don't Bank on the Bomb update. Hall of Fame and Runners-up include financial institutions with headquarters in the country that have published policies banning or limiting investment in nuclear weapons producers. Hall of Shame are the financial institutions that have significant financing relationships with one or more of the nuclear weapons producers identified in the report. There is also a brief summary of the nuclear weapons related work of each of the identified producers. For more detail, see the full report or go to the www.DontBankOnTheBomb.com website.

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The financial institutions identified include banks, pension funds, sovereign wealth funds, insurance companies and asset managers. They have provided various types of financial services to nuclear weapon companies including loans, investment banking and asset management.

All sources of financing provided since 1 January 2013 to the companies listed were analysed from annual reports, financial databases and other sources. The financial institutions which are most significantly involved in the financing of one or more nuclear weapon companies are shown here. See the full report for both a summary and full description of all financial institutions which are found to have the most significant financing relationships with one or more of the selected nuclear weapon

^a Exchange rate: 1 USD = 0. 946211 EUR, 24 November 2016.



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companies, by means of participating in bank loans, by underwriting share or bond issues and/or by share- or bondholdings (above a threshold of 0.5% of all outstanding shares or bonds).

Figures presented are rounded up/down to the nearest dollar at the filing date. Commas (,) indicate thousands separators while periods (.) used as decimal points.

For more information on loans, investment banking, and asset management, please refer to the website.

Hall of Fame and Runners-up

To identify financial institutions with a policy on nuclear weapons, we research a variety of sources: NGO reports, screening-agency information, financial institutions' reports and websites, information from campaigners and other public sources. For practical reasons, the scope of this report is limited to those financial institutions that have an investment policy or a summary of that policy in English. The list of institutions in the Hall of Fame is therefore not exhaustive. We welcome additions from those able to provide them.

The financial institutions for which a nuclear weapons policy was actually found, were grouped in two categories. Financial institutions with a clear and comprehensive nuclear weapons exclusion policy are included in the "Hall of Fame", while financial institutions whose nuclear weapons policy is less strict or clear are included in the "Runners-up" category. This is not a comprehensive list, and others may exist in the country. To be included in the Hall of Fame, the nuclear weapons policy of the financial institution must meet the following criteria:

- The financial institution has published its policy and/or a summary of it;
- The policy excludes investments in nuclear weapon companies (withdrawing past investments and avoiding future investments)
- The policy has an 'all-in' comprehensive scope:
 - o no exceptions for any types of nuclear weapon companies
 - o no exceptions for any types of activities by nuclear weapon companies
 - o no exceptions for any type of financing or investment by the financial institution

No Germany financial institutions were found to qualify for the Hall of Fame.

Financial institutions whose nuclear weapon policy does not meet all of the above criteria are included in the "Runners-up" category. For more on the report methodology, see the website.

Runners-up

The Don't Bank on the Bomb project seeks to recognise all financial institutions with investment policies that explicitly mention nuclear weapons, even if some of these policies are not very effective. By naming investment in nuclear weapon producing companies as an issue of concern, even ineffective policies recognise the stigma associated with these weapons of mass destruction, however, because of loopholes in some policies, some financial institutions may appear in both the Runners-up and Hall of Shame categories.

Commerzbank (Germany)

Commerzbank is an international commercial bank with branches in more than 50 countries. Its core markets are Germany and Poland. Commerzbank offers banking and capital market services to nearly



16 million private customers and 1 million business and corporate clients.^b As of 30 June 2016, Commerzbank held €532.6 billion in total assets.^c

According to Commerzbank's policy on the armaments sector, the bank "does not in any circumstances involve itself in transactions related to controversial weapons." For a definition of controversial weapons, Commerzbank refers to the German War Weapons Control Acte, which provides an elaborate definition of nuclear weapons based on the revised Brussels Treaty of 1954.

In principle, this means that Commerzbank excludes all companies that are involved in controversial weapons. However, if the involvement constitutes only a small part of the company's businesses, Commerzbank allows investment as long as the bilateral contract specifically states that funds will not be used for any activity that is related to controversial weapons.⁹

The exclusion policy applies to the bank's commercial banking and investment banking activities, as well as to the investments made on its own account and its actively managed funds. However, the policy is not applied to passively managed funds and in addition, clients can request the execution of a buying-order of a specific investment that may contain a nuclear weapon producer. The same applies to orders of such investments through Online-Banking.^h

Commerzbank does not publish its exclusion list, which is based on the findings of data provider Sustainalytics.

Commerzbank was also found to have several investments in nuclear weapon producing companies identified by this report, more information can be found in the Hall of Shame.

We commend Commerzbank for adopting a public policy on nuclear weapons. We recommend Commerzbank apply its policy to all nuclear weapon producers, including companies whose involvement in controversial weapons constitutes only a small part of their activities. Furthermore, Commerzbank's should apply its exclusion policy to all financial products it offers, including assets managed, and requests from clients that explicitly ask for or choose funds that contain controversial weapons producers should be refused. We look forward to engaging with Commerzbank, so a strong and comprehensively applied policy may be listed in the Hall of Fame in a future update of this report.

Website:	Twitter:	Facebook:
https://www.commerzbank.de	@commerzbank	https://www.facebook.com/commerzbank

(www.commerzbank.de/en/hauptnavigation/konzern/commerzbank im berblick/commerzbank ueberblick.html), viewed 1 October 2016.

https://www.commerzbank.de/media/en/aktionaere/service/archive/konzern/2016/q2 2016/zwischenbericht q2 2016.pdf, viewed 1 October.

(https://www.commerzbank.de/en/nachhaltigkeit/nachhaltigkeitsstandards/positionen_und_richtlinien/positionen_und_richtlinien.html), viewed 1 October 2016.

(https://www.commerzbank.de/en/nachhaltigkeit/nachhaltigkeitsstandards/positionen_und_richtlinien/positionen_und_richtlinien.html), viewed 1 October 2016.

ⁱ Commerzbank, written response to Profundo dated 3 June 2014.



b Commerzbank, "Commerzbank at a glance", Commerzbank website

^c Commerzbank, "Interim Report as at 30 June 2016", page 2, available at:

^d Commerzbank, "Positions and Directives", website Commerzbank

^e Commerzbank, "Positions and Directives", website Commerzbank

f IUSCOMP, "War Weapons Control Act (Kriegswaffenkontrollgesetz, KrWaffKontrG)", website IUSCOMP (http://www.iuscomp.org/gla/statutes/KrWaffKontrG.htm), viewed 1 October 2016.

^g Commerzbank, written response to Profundo dated 3 June 2014.

^h Commerzbank, written response to Profundo dated 9 October 2013; Commerzbank, written response to Profundo dated 3 June 2014.

Hall of Shame

This section contains the results of our research into which financial institutions are financially involved with the nuclear weapon producing companies identified in the report. For the full methodology, see the website. Each section provides the following information for each financial institution:

• The types of financial relations which the financial institution has with one or more nuclear weapon companies (loans, investment banking and asset management).

Financial institution	Amount in USD millions	Amount in EUR millions ⁱ
Allianz	\$1,748	€ 1,654
BayernLB	\$402	€ 381
Commerzbank	\$1,630	€ 1,542
Deka Group	\$287	€ 271
Deutsche Bank	\$5,154	€ 4,877
DZ Bank	\$66	€ 62
Helaba	\$183	€ 173
KfW	\$66	€ 62
Landesbank Baden-Württemberg (LBBW)	\$66	€ 62
Siemens Financial Services	\$163	€ 154

Allianz (Germany)

Allianz (Germany) has made an estimated US\$ 1,748 million available to the nuclear weapons companies selected for this research project since January 2013.

Allianz (Germany) owns or manages shares of the nuclear weapon companies for an amount of US\$ 185 million (see table below). Only holdings of 0.50% or more of the outstanding shares at the most recent available filing date are included.

Table 1 Shareholdings managed by Allianz

Company	Country	Total value (US\$ mln)	% Outstanding	Filing date
Fluor	United States	88	1.18	31-3-2016
Huntington Ingalls Industries	United States	33	0.51	31-3-2016
Orbital ATK	United States	65	1.28	31-3-2016

Source: Thomson Reuters Eikon, "Share ownership: most recent filings", viewed in July 2016.

Allianz (Germany) owns or manages bonds of the nuclear weapon companies for an amount of US\$ 1,562 million (see table below). Only holdings of 0.50% or more of the outstanding bonds at the most recent available filing date are included.



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j Exchange rate: 1 USD = 0. 946211 EUR, 24 November 2016.

Table 2 Bondholdings managed by Allianz

Company	Country	Total value (US\$ mln)	% Outstanding	Filing date
Aecom	United States	40	1.95	30-9-2015
BAE Systems	United Kingdom	161	2.63	31-3-2016
Boeing	United States	259	2.43	31-3-2016
Fluor	United States	13	0.84	31-3-2016
Honeywell International	United States	345	2.60	31-3-2016
Huntington Ingalls Industries	United States	45	3.78	30-9-2015
Leonardo-Finmeccanica	Italy	129	2.66	31-3-2016
Moog	United States	21	7.15	31-3-2016
Northrop Grumman	United States	191	2.99	31-3-2016
Raytheon	United States	191	3.55	31-3-2016
Safran	France	153	7.19	31-3-2016
Textron	United States	15	0.52	31-3-2016

Source: Thomson Reuters Eikon, "Bond ownership: most recent filings", viewed in August 2016.

BayernLB (Germany)

BayernLB (Germany) has made an estimated US\$ 402 million available to the nuclear weapons companies selected for this research project since January 2013.

BayernLB (Germany) provided loans for an estimated amount of US\$ 393 million to the nuclear weapon companies (see table below). The table shows all loans closed since January 2013 or maturing after August 2016.

Table 3 Loans provided by BayernLB

Company	Total value (US\$ mln)	Est. participation of this bank (US\$ mln)		Maturity date
Airbus Group	3,797	66	14-10-2014	14-10-2019
Boeing	2,300	42	5-11-2011	10-11-2016
Boeing	2,473	50	23-9-2014	15-10-2015
Boeing	2,473	50	23-9-2014	16-10-2019
Boeing	2,465	50	4-11-2015	3-11-2016
Boeing	2,365	50	4-11-2015	3-11-2020
Honeywell International	4,000	60	10-7-2015	10-7-2020
Honeywell International	1,500	25	29-4-2016	28-4-2017

Source: Thomson Reuters Eikon, "Loans", viewed in July/August 2016; Bloomberg, "Loans", viewed in July/August 2016.

BayernLB (Germany) underwrote bond issuances for an estimated amount of US\$ 10 million to the nuclear weapon companies since January 2013 (see table below).



Table 4 Underwriting of bond issuances by BayernLB

(Company	Total value (US\$ mln)	Est. participation of this bank (US\$ mln)	Issue date	Maturity date
	Boeing	350	10	30-4-2013	15-11-2018

Source: *Thomson Reuters Eikon*, "Bond and share issue underwritings", viewed in July/August 2016; *Bloomberg*, "Bond and share issue underwritings", viewed in August 2016.

Commerzbank (Germany)

Commerzbank (Germany) has made an estimated US\$ 1,630 million available to the nuclear weapons companies selected for this research project since January 2013.

Commerzbank (Germany) provided loans for an estimated amount of US\$ 1,341 million to the nuclear weapon companies (see table below). The table shows all loans closed since January 2013 or maturing after August 2016.

Table 5 Loans provided by Commerzbank

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Company	Total value (US\$ mln)	Est. participation of this bank (US\$ mln)	Closing date	Maturity date
Aecom	500	20	11-8-2014	17-10-2019
Aecom	1,050	47	11-8-2014	17-10-2019
Aecom	1,188	59	11-8-2014	17-10-2021
Aecom	1,925	77	11-8-2014	17-10-2019
Airbus Group	3,797	134	14-10-2014	14-10-2019
BAE Systems	3,269	131	12-12-2013	12-12-2018
Boeing	2,300	42	5-11-2011	10-11-2016
Boeing	2,473	30	23-9-2014	15-10-2015
Boeing	2,473	30	23-9-2014	16-10-2019
Boeing	2,465	30	4-11-2015	3-11-2016
Boeing	2,365	30	4-11-2015	3-11-2020
Leonardo-Finmeccanica	3,001	150	9-7-2014	9-7-2019
Leonardo-Finmeccanica	2,212	139	6-7-2015	6-7-2020
Safran	2,744	183	4-12-2015	4-12-2020
Serco	1,159	72	21-2-2012	28-3-2017
Serco	714	45	12-3-2015	12-3-2019
Thales	1,835	122	19-12-2014	19-12-2019

Source: Thomson Reuters Eikon, "Loans", viewed in July/August 2016; Bloomberg, "Loans", viewed in July/August 2016.

Commerzbank (Germany) underwrote bond issuances for an estimated amount of US\$ 289 million to the nuclear weapon companies since January 2013 (see table below).



Table 6 Underwriting of bond issuances by Commerzbank

Company	Total value (US\$ mln)	Est. participation of this bank (US\$ mln)	Issue date	Maturity date
Airbus Group	640	64	20-10-2014	29-10-2029
Boeing	350	10	30-4-2013	15-11-2018
Boeing	300	4	28-10-2014	30-10-2021
Boeing	300	4	28-10-2014	30-10-2024
Boeing	250	3	18-2-2015	1-3-2025
Boeing	250	3	18-2-2015	1-3-2035
Boeing	250	3	18-2-2015	1-3-2045
Boeing	250	4	27-10-2015	30-10-2022
Boeing	300	5	27-10-2015	30-10-2025
Boeing	350	5	27-10-2015	30-10-2020
Boeing	400	5	16-5-2016	15-6-2046
Boeing	4 00	8	16-5-2016	15-6-2026
Boeing	400	9	16-5-2016	15-6-2023
Leonardo-Finmeccanica	950	59	26-11-2013	19-1-2021
Leonardo-Finmeccanica	339	20	17-1-2014	19-1-2021
Thales	668	83	31-5-2016	7-6-2023

Source: *Thomson Reuters Eikon*, "Bond and share issue underwritings", viewed in July/August 2016; *Bloomberg*, "Bond and share issue underwritings", viewed in August 2016.

Deka Group (Germany)

Deka Group (Germany) has made an estimated US\$ 287 million available to the nuclear weapons companies selected for this research project since January 2013.

Deka Group (Germany) owns or manages shares of the nuclear weapon companies for an amount of US\$ 256 million (see table below). Only holdings of 0.50% or more of the outstanding shares at the most recent available filing date are included.

Table 7 Shareholdings managed by Deka Group

Company	Country	Total value (US\$ mln)	% Outstanding	Filing date
Airbus Group	The Netherlands	256	0.53	31-5-2016

Source: Thomson Reuters Eikon, "Share ownership: most recent filings", viewed in July 2016.

Deka Group (Germany) owns or manages bonds of the nuclear weapon companies for an amount of US\$ 31 million (see table below). Only holdings of 0.50% or more of the outstanding bonds at the most recent available filing date are included.

Table 8 Bondholdings managed by Deka Group

Company	Country	Total value (US\$ mln)	% Outstanding	Filing date
Leonardo-Finmeccanica	Italy	31	0.63	30-6-2015



Deutsche Bank (Germany)

Deutsche Bank (Germany) has made an estimated US\$ 5,154 million available to the nuclear weapons companies selected for this research project since January 2013.

Deutsche Bank (Germany) provided loans for an estimated amount of US\$ 1,946 million to the nuclear weapon companies (see table below). The table shows all loans closed since January 2013 or maturing after August 2016.

Table 9 Loans provided by Deutsche Bank

Company	Total value (US\$ mln)	Est. participation of this bank (US\$ mln)	Closing date	Maturity date
Airbus Group	3,797	134	14-10-2014	14-10-2019
BAE Systems	3,269	131	12-12-2013	12-12-2018
Bechtel	1,000	20	7-6-2016	7-6-2021
Bechtel	1,500	30	7-6-2016	7-6-2021
Boeing	2,300	42	5-11-2011	10-11-2016
Boeing	2,473	90	23-9-2014	15-10-2015
Boeing	2,473	90	23-9-2014	16-10-2019
Boeing	2,465	90	4-11-2015	3-11-2016
Boeing	2,365	90	4-11-2015	3-11-2020
Engility	50	10	23-4-2014	9-5-2019
Engility	250	50	23-4-2014	9-5-2021
Engility	393	79	23-4-2014	9-5-2020
Honeywell International	3,000	129	30-3-2012	2-4-2017
Honeywell International	4,000	73	18-11-2013	10-12-2018
Honeywell International	4,000	190	10-7-2015	10-7-2020
Honeywell International	1,500	65	29-4-2016	28-4-2017
Honeywell International	4,000	343	29-4-2016	29-4-2021
Northrop Grumman	1,600	64	8-7-2015	8-7-2020
Raytheon	1,250	44	13-11-2015	13-11-2020
Safran	2,744	183	4-12-2015	4-12-2020

Source: Thomson Reuters Eikon, "Loans", viewed in July/August 2016; Bloomberg, "Loans", viewed in July/August 2016.

Deutsche Bank (Germany) underwrote bond issuances for an estimated amount of US\$ 1,681 million to the nuclear weapon companies since January 2013 (see table below).



Table 10 Underwriting of bond issuances by Deutsche Bank

Company	Total value (US\$ mln)	Est. participation of this bank (US\$ mln)	Issue date	Maturity date
Airbus Group	679	75	13-5-2016	13-5-2026
Airbus Group	1,018	113	13-5-2016	13-5-2031
Airbus Group	1,209	242	14-6-2016	14-6-2021
BAE Systems	300	100	30-9-2014	7-10-2044
BAE Systems	800	267	30-9-2014	7-10-2024
Boeing	150	50	30-4-2013	3-11-2014
Boeing	250	9	28-10-2014	30-10-2017
Boeing	300	9	28-10-2014	30-10-2021
Boeing	300	25	28-10-2014	30-10-2024
Boeing	250	8	18-2-2015	1-3-2035
Boeing	250	8	18-2-2015	1-3-2045
Boeing	250	28	18-2-2015	1-3-2025
Boeing	300	9	27-10-2015	30-10-2025
Boeing	350	11	27-10-2015	30-10-2020
Boeing	250	21	27-10-2015	30-10-2022
Boeing	400	10	16-5-2016	15-6-2023
Boeing	400	16	16-5-2016	15-6-2046
Boeing	400	18	16-5-2016	15-6-2026
Honeywell International	300	30	18-11-2013	1-12-2023
Honeywell International	700	70	18-11-2013	17-11-2015
Larsen & Toubro	36	5	13-6-2014	13-5-2016
Leonardo-Finmeccanica	950	59	26-11-2013	19-1-2021
Leonardo-Finmeccanica	339	20	17-1-2014	19-1-2021
Northrop Grumman	850	57	28-5-2013	1-6-2018
Northrop Grumman	950	63	28-5-2013	1-6-2043
Northrop Grumman	1,050	70	28-5-2013	1-8-2023
Northrop Grumman	600	126	3-2-2015	15-4-2045
Raytheon	300	8	24-11-2014	15-12-2024
Raytheon	300	8	24-11-2014	15-12-2044
Thales	389	56	13-3-2013	19-3-2021
Thales	648	93	13-3-2013	20-3-2018

Source: *Thomson Reuters Eikon*, "Bond and share issue underwritings", viewed in July/August 2016; *Bloomberg*, "Bond and share issue underwritings", viewed in August 2016.

Deutsche Bank (Germany) owns or manages shares of the nuclear weapon companies for an amount of US\$ 1,380 million (see table below). Only holdings of 0.50% or more of the outstanding shares at the most recent available filing date are included.



Table 11 Shareholdings managed by Deutsche Bank

Company	Country	Total value (US\$ mln)	% Outstanding	Filing date
Airbus Group	The Netherlands	271	0.56	31-5-2016
BAE Systems	United Kingdom	399	1.79	1-6-2016
BWX Technologies	United States	24	0.69	31-3-2016
Fluor	United States	102	1.48	29-2-2016
Moog	United States	8	0.50	31-3-2016
Raytheon	United States	577	1.58	31-3-2016

Source: Thomson Reuters Eikon, "Share ownership: most recent filings", viewed in July 2016.

Deutsche Bank (Germany) owns or manages bonds of the nuclear weapon companies for an amount of US\$ 148 million (see table below). Only holdings of 0.50% or more of the outstanding bonds at the most recent available filing date are included.

Table 12 Bondholdings managed by Deutsche Bank

Company	Country	Total value (US\$ mln)	% Outstanding	Filing date
Aerojet Rocketdyne	United States	11	3.24	30-4-2016
General Dynamics	United States	45	1.56	31-3-2016
Moog	United States	4	1.27	30-4-2016
Northrop Grumman	United States	43	0.67	31-3-2016
Raytheon	United States	45	0.83	31-3-2016

Source: Thomson Reuters Eikon, "Bond ownership: most recent filings", viewed in August 2016.

DZ Bank (Germany)

DZ Bank (Germany) has made an estimated US\$ 66 million available to the nuclear weapons companies selected for this research project since January 2013.

DZ Bank (Germany) provided loans for an estimated amount of US\$ 66 million to the nuclear weapon companies (see table below). The table shows all loans closed since January 2013 or maturing after August 2016.

Table 13 Loans provided by DZ Bank

Company	Total value (US\$ mln)	Est. participation of this bank (US\$ mln)	Closing date	Maturity date
Airbus Group	3,797	66	14-10-2014	14-10-2019

Source: Thomson Reuters Eikon, "Loans", viewed in July/August 2016; Bloomberg, "Loans", viewed in July/August 2016.

Helaba (Germany)

Helaba (Germany) has made an estimated US\$ 183 million available to the nuclear weapons companies selected for this research project since January 2013.



Helaba (Germany) provided loans for an estimated amount of US\$ 183 million to the nuclear weapon companies (see table below). The table shows all loans closed since January 2013 or maturing after August 2016.

Table 14 Loans provided by Helaba

Company	Total value (US\$ mln)	Est. participation of this bank (US\$ mln)	Closing date	Maturity date
Airbus Group	3,797	66	14-10-2014	14-10-2019
Serco	1,159	72	21-2-2012	28-3-2017
Serco	714	45	12-3-2015	12-3-2019

Source: Thomson Reuters Eikon, "Loans", viewed in July/August 2016; Bloomberg, "Loans", viewed in July/August 2016.

KfW (Germany)

KfW (Germany) has made an estimated US\$ 66 million available to the nuclear weapons companies selected for this research project since January 2013.

KfW (Germany) provided loans for an estimated amount of US\$ 66 million to the nuclear weapon companies (see table below). The table shows all loans closed since January 2013 or maturing after August 2016.

Table 15 Loans provided by KfW

Company	Total value (US\$ mln)	Est. participation of this bank (US\$ mln)	Closing date	Maturity date
Airbus Group	3,797	66	14-10-2014	14-10-2019

Source: Thomson Reuters Eikon, "Loans", viewed in July/August 2016; Bloomberg, "Loans", viewed in July/August 2016.

Landesbank Baden-Württemberg (LBBW) (Germany)

Landesbank Baden-Württemberg (LBBW) (Germany) has made an estimated US\$ 66 million available to the nuclear weapons companies selected for this research project since January 2013.

Landesbank Baden-Württemberg (LBBW) (Germany) provided loans for an estimated amount of US\$ 66 million to the nuclear weapon companies (see table below). The table shows all loans closed since January 2013 or maturing after August 2016.

Table 16 Loans provided by Landesbank Baden-Württemberg (LBBW)

Company	Total value (US\$ mln)	Est. participation of this bank (US\$ mln)	Closing date	Maturity date
Airbus Group	3,797	66	14-10-2014	14-10-2019

Source: Thomson Reuters Eikon, "Loans", viewed in July/August 2016; Bloomberg, "Loans", viewed in July/August 2016.



Siemens Financial Services (Germany)

Siemens Financial Services (Germany) has made an estimated US\$ 163 million available to the nuclear weapons companies selected for this research project since January 2013.

Siemens Financial Services (Germany) provided loans for an estimated amount of US\$ 163 million to the nuclear weapon companies (see table below). The table shows all loans closed since January 2013 or maturing after August 2016.

Table 17 Loans provided by Siemens Financial Services

Company	Total value (US\$ mln)	Est. participation of this bank (US\$ mln)	Closing date	Maturity date
Huntington Ingalls Industries	489	27	23-9-2013	6-11-2018
Huntington Ingalls Industries	650	35	23-9-2013	6-11-2018
Huntington Ingalls Industries	1,250	71	13-7-2015	13-7-2020
Orbital ATK	700	12	8-10-2013	1-11-2018
Orbital ATK	1,010	17	8-10-2013	1-11-2018

Source: Thomson Reuters Eikon, "Loans", viewed in July/August 2016; Bloomberg, "Loans", viewed in July/August 2016.



Nuclear weapon producing Companies

This report identifies 27 companies operating in France, India, Italy, the Netherlands, the United Kingdom and the United States that are significantly involved in maintaining and modernising the nuclear arsenals of France, India, the United Kingdom and the United States. **This is not an exhaustive list.** These companies are providing necessary components and infrastructure to develop, test, maintain and modernise nuclear weapons. The contracts these companies have with nuclear armed countries are for materials and services to keep nuclear weapons in their arsenals. In other nuclear-armed countries –Russia, China, Pakistan and North Korea – the maintenance and modernization of nuclear forces is carried out primarily or exclusively by government agencies.

Aecom (USA)

Aecom provides professional technical and management support services and is part of joint ventures that manages the Nevada National Security Site (NNSS), previously known as the Nevada Test Site, as well as Lawrence Livermore (LLNL) and Los Alamos National Laboratories (LANL), key fixtures in the US nuclear weapons infrastructure.

Aerojet Rocketdyne (USA)

Aerojet Rocketdyne, formerly known as GenCorp is involved in the design, development and production of land- and sea-based nuclear ballistic missile systems for the United States. It is currently producing propulsion systems for Minuteman III and D5 Trident nuclear missiles.

Airbus Group (The Netherlands)

Airbus is a Dutch company that produces and maintains the M51.2 submarine-launched nuclear missiles for the French navy, it is also developing the M51.3. Through joint venture MBDA-Systems, Airbus is also providing medium-range air-to-surface missiles to the French air force.

BAE Systems (United Kingdom)

BAE Systems is involved in the US and UK Trident II (D5) strategic weapons system programmes. It is also the prime contractor for the US Minuteman III Intercontinental Ballistic Missile (ICBM) system. BAE Systems is also part of the joint venture providing medium-range air-to-surface missiles for France.

Bechtel (USA)

Bechtel manages the Los Alamos and Lawrence Livermore national laboratories in the US, which play an important role in the research, design, development and production of nuclear weapons. It also leads the joint venture for management and operation of the Y-12 National Security Complex in Tennessee and the Pantex Plant in Texas.

Boeing (USA)

Boeing is involved in the Minuteman III nuclear intercontinental ballistic missiles in the US arsenal. It also provides the US and UK Trident II (D5) with maintenance, repair, and rebuilding and technical services.

BWX Technologies (USA)

BWX Technologies ("BWXT") formerly known as Babcock & Wilcox Company Babcock & Wilcox manages and through joint ventures operates several US nuclear weapons facilities including the Lawrence Livermore National Laboratory, Los Alamos National Laboratory, and Nevada National Security Site (NNSS), previously known as the Nevada Test Site, each of which are engaged in various aspects of nuclear warhead modernisation.

Charles Stark Draper Laboratory (USA)

Charles Stark Draper Laboratory ("Draper") is the prime contractor for the Trident Life Extension (LE) boost guidance and is manufacturing the guidance system for the Trident missile system in use by the UK and the US.

CH2M Hill (USA)

CH2M Hill is one of the joint venture partners in National Security Technologies (NSTec) that manages the Nevada National Security Site (NNSS), previously known as the Nevada Test Site, a key fixture in the US nuclear weapons infrastructure.

Engility Holdings (USA)

In February 2015, Engility acquired US-based TASC. It is involved in the research and development for the Solid Rocket Motor Modernization Study of the Minuteman III system for the US arsenal.

Fluor (USA)

Fluor is the lead partner responsible for the management and operation of the US Department of Energy's Savannah River Site and Savannah River National Laboratory, the only source of new tritium for the US nuclear arsenal.

General Dynamics (USA)

General Dynamics provides a range of engineering, development, and production activities to support to US and UK Trident II Strategic Weapons Systems. It is also involved in the guidance systems of the Trident II (D5) nuclear missiles of the US Navy.



Honeywell International (USA)

Honeywell International manages and operates the National Security Campus where an estimated 85% of the non-nuclear components for US nuclear weapons are produced. It produced components for integrated circuits for the Trident II (D5) nuclear missiles which comprise part of the UK and US arsenals.

Huntington Ingalls Industries (USA)

Huntington Ingalls Industries is involved in management of the US nuclear arsenal, and tritium production at the Savannah River Site, the only source of new tritium for the US nuclear arsenal.

Jacobs Engineering (USA)

Jacobs Engineering Group is involved in the joint venture AWE-ML, which manages the UK Atomic Weapons Establishment, that designs, manufactures and maintains nuclear warheads for the UK.

Larsen & Toubro (India)

Larsen & Toubro is also responsible for developing the launcher system for the nuclear-capable shortrange surface-to-air Akash missile system for the Indian nuclear arsenal.

Leonardo - Finmeccanica (Italy)

Leonardo - Finmeccanica (previously "Finmeccanica") is involved in the design, development and delivery of two Transporter Erector Replacement Vehicles to support the US Intercontinental Ballistic Missile (ICBM) Minuteman III-fleet. It is also involved in the joint venture that supplies medium-range air-to-surface missiles for the French arsenal.

Lockheed Martin (USA)

Lockheed Martin is responsible for the construction of the Trident II (D5) nuclear missiles for the US and UK. It is also involved in the production and maintenance of the Minuteman III nuclear intercontinental ballistic missiles for the US. It is part of the joint venture AWE-ML, which manages the UK Atomic Weapons Establishment, that designs, manufactures and maintains nuclear warheads for the UK.

MOOG (USA)

Moog develops launch vehicle and strategic missile controls for the Minuteman III and Trident (D5) missiles for the US nuclear arsenal.

Northrop Grumman (USA)

Northrop Grumman is involved with production and maintenance of the Minuteman III nuclear Intercontinental Ballistic Missiles (ICBM) for the US nuclear arsenal. It also provides support for the Trident II (D5) system for the US and the UK. It is also part of the joint venture that manages the Nevada National Security Site (NNSS), previously known as the Nevada Test Site, a key fixture in the US nuclear weapons infrastructure.

Orbital ATK (USA)

Orbital ATK (formerly known as ATK or Alliant Techsystems) produces rocket propulsion systems for Trident II submarine launched ballistic missiles. Orbital ATK is also responsible for refurbishing all three solid propellant stages of the Minuteman III Intercontinental Ballistic Missile (ICBM) for the US. It is also involved in the joint venture for management and operation of the Y-12 National Security Complex in Tennessee and the Pantex Plant in Texas.

Raytheon (USA)

Raytheon is involved in a project to stretch the lifecycle of the guidance systems of the Trident II (D5) nuclear missiles of the US Navy. It is also involved in studies in support of the new W80-4 Long-Range Standoff missile for the US arsenal.

Safran (France)

Safran is part of a joint venture to build M51 submarine-launched nuclear missiles for the French navy, which each deliver multiple warheads. Its subsidiaries Snecma and Sagem provide the propulsion and navigation systems for these missiles.

Serco (United Kingdom)

Serco owns a one-third share in the joint venture AWE-ML, which runs the UK Atomic Weapons Establishment. It is responsible for manufacturing and maintaining the nuclear warheads for UK arsenal.

Textron (USA)

Textron designs and builds re-entry vehicles for the US Minuteman III inter-continental ballistic missile (ICBM).

Thales (France)

Thales is part of a joint venture to build the M51 submarine-launched nuclear missiles for the French navy

Walchandnagar Industries (India)

Walchandnagar Industries Limited supplies infrastructure and facilities for the production of the surface-to-air short-range Akash missile and the launching systems for Agni and Akash missiles for the Indian arsenal. It also manufactures the main thrust motor casing segment for the intercontinental ballistic Agni-V missile.

