



Recent financing of producers of cluster munitions by Deutsche Bank

A research paper prepared for Facing Finance

Profundo
economic research

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Summary

The objective of this research project is to analyse the recent involvement of Deutsche Bank in the financing of 13 producers of cluster munitions. Deutsche Bank (including all its German and foreign subsidiaries) can be involved in financing these companies by:

- Providing corporate loans, project finance or working capital facilities. All facilities since January 2010 were researched;
- Underwriting share or bond issuances. All issuances since January 2010 were researched;
- Owning/managing shares or bonds. Share and bondholdings at the most recent filing date were researched.

Financial involvement

Table 1 provides an overview of the involvement of Deutsche Bank in the financing of the 13 selected producers of cluster munitions. The table shows that Deutsche Bank is involved in the financing of 10 producers of cluster munitions. No financial involvement was found for Ayt Industries, Avibras and Poongsan Corporation.

Table 1 Involvement of Deutsche Bank in the financing of producers of cluster munitions

Company	Country	Involvement Deutsche Bank
Alliant Techsystems	United States	S
Ayt Industries	Israel	
Avibras	Brazil	
GenCorp	United States	S, B
General Dynamics	United States	S, B
Hanwha Corporation	South Korea	S
L-3 Communications	United States	S, Bi, B, L
Lockheed Martin	United States	S, B, L
Poongsan Corporation	South Korea	
Raytheon	United States	S, Bi, B, L
Samsung Techwin	South Korea	S
Singapore Technologies Engineering	Singapore	S
Textron	United States	S, B, L

Key:

S = Shareholding

Bi = Participation in at least one bond issuance of the company since January 2010

B = Bondholding

L = Participation in at least one loan secured by the company since January 2010

More information about the financial relationships summarised in Table 1 can be found below.

Share and bondholdings

Table 2 provides an overview of the shares and bonds of the 13 selected producers of cluster munitions which were owned or managed by Deutsche Bank (including all its German and foreign subsidiaries) at the most recent filing date. The table shows Deutsche Bank owned or managed shares of 10 companies with a total value of € 417.5 million. The respective value of its holdings of the bonds issued by 6 companies is € 9.4 million. Most share and bondholdings represent less than 1% of the outstanding shares or bonds. But Deutsche Bank is a relatively large shareholder of Alliant Techsystems, owning 2.51% of its outstanding shares, and Gencorp (1.25%).

Table 2 Share and bondholdings of Deutsche Bank (most recent filing date)

Company	Country	Shareholdings		Bondholdings	
		% shares company	Value (€ mln)	% bonds company	Value (€ mln)
Alliant Techsystems	United States	2.51	34.83	-	-
GenCorp	United States	1.25	2.43	0.29	0.62
General Dynamics	United States	0.78	124.78	0.00	0.09
Hanwha Corporation	South Korea	0.00	0.01	-	-
L-3 Communications	United States	0.40	18.92	0.08	2.64
Lockheed Martin	United States	0.64	111.38	0.00	0.17
Raytheon	United States	0.99	110.71	0.01	0.54
Samsung Techwin	South Korea	0.00	0.03	-	-
Singapore Technologies Engineering	Singapore	0.02	1.04	-	-
Textron	United States	0.37	13.34	0.21	5.37
Total			417.47		9.43

Loans and bond issuances

Table 3 provides an overview of the loans and bond issuances of producers of cluster munitions, secured or issued since January 2010, in which Deutsche Bank participated. The table shows that Deutsche Bank has provided loans to three producers of cluster munitions with a total value of € 199.1 million. If the loan of L-3 Communications which is currently in syndication will be closed, the total amount of loans will increase to € 246.6 million. In addition, Deutsche Bank has underwritten € 242.7 million worth of bonds issued by two of the selected companies. Deutsche Bank was not found to be involved in share issuances.

Table 3 Loans and bond issuances Deutsche Bank (since January 2010)

Company	Country	Loans		Bond issuances	
		<i># of loans</i>	<i>(Estimated) amount (€ mln)</i>	<i># of bond issuances</i>	<i>(Estimated) amount (€ mln)</i>
L-3 Communications	United States	1*	47.5	3	220.2
Lockheed Martin	United States	1	62.5	-	-
Raytheon	United States	2	41.7	1	22.5
Textron	United States	1	94.9	-	-
Total		5	246.6	4	242.7
Total (excluding loan in syndication)		4	199.1		

*In syndication, not yet closed

Introduction

The objective of this research project is to analyse the recent involvement of Deutsche Bank in the financing of 13 producers of cluster munitions. The following companies were researched:

- Alliant Techsystems
- Arys Industries
- Avibras
- GenCorp
- General Dynamics
- Hanwha Corporation
- L-3 Communications
- Lockheed Martin
- Poongsan Corporation
- Raytheon
- Samsung Techwin
- Singapore Technologies Engineering
- Textron

This report is organised as follows: Chapter 1 presents the methodology. Chapter 2 until Chapter 14 each discuss the financing of one of the 13 selected producers of cluster munitions. For all companies, the involvement of Deutsche Bank (including all its German and foreign subsidiaries), by means of owning/managing shares or bonds, providing loans, and underwriting share- or bond issuances, is described.

A summary can be found on the first pages of this report.

Chapter 1 Methodology

1.1 Objective

The objective of this research project is to analyse the recent involvement of Deutsche Bank in the financing of 13 producers of cluster munitions.

1.2 Deutsche Bank

The following major subsidiaries of Deutsche Bank were researched:

- DB Advisors
- DB Capital Markets
- DB Platinum Advisors
- DB Valoren
- Deutsche Asset Management
- DWS
- Taunus Corporation

1.3 Producers of cluster munitions

The following 13 companies are researched:

- | | |
|--------------------------------------|---------------|
| • Alliant Techsystems | United States |
| • Aryt Industries | Israel |
| • Avibras | Brazil |
| • GenCorp | United States |
| • General Dynamics | United States |
| • Hanwha Corporation | South Korea |
| • L-3 Communications | United States |
| • Lockheed Martin | United States |
| • Poongsan Corporation | South Korea |
| • Raytheon | United States |
| • Samsung Techwin | South Korea |
| • Singapore Technologies Engineering | Singapore |
| • Textron | United States |

This list of companies was provided by Facing Finance. Profundo did not research if these companies have (recently) been involved in the production of (components of) cluster munitions.

1.4 Types of finance

Deutsche Bank can be involved in the financing of producers of cluster munitions by providing corporate loans, by assisting companies with share- and bond issuances, and by (managing) investments in shares and bonds of these companies. Below, these financing categories are discussed in more detail:

- **Corporate loans:** The easiest way to obtain debt is to borrow money. In most cases, money is borrowed from commercial banks. Loans can be either short-term or long-term in nature. Short-term loans (including trade credits, current accounts, leasing agreements, et cetera) have a maturity of less than a year. They are mostly used as working capital for day-to-day operations. Short-term debts are often provided by a single commercial bank, which does not ask for substantial guarantees from the company. A long-term loan has a maturity of at least one year, but generally of three to ten years. Long-term corporate loans are in particular useful to finance expansion plans, which only generate rewards after some period of time. The proceeds of corporate loans can be used for all activities of the company. Often long-term loans are extended by a *loan syndicate*, which is a group of banks brought together by one or more arranging banks. The loan syndicate will only undersign the loan agreement if the company can provide certain guarantees that interest and repayments on the loan will be fulfilled.
- **Share issuances:** Issuing shares on the stock exchange gives a company the opportunity to increase its equity by attracting a large number of new shareholders or increase the equity from its existing shareholders. These shareholders can be private investors as well as institutional investors. When it's the first time a company offers its shares on the stock exchange, this is called an *Initial Public Offering (IPO)*. When a company's shares are already traded on the stock exchange, this is called a *secondary offering* of additional shares. To arrange an IPO or a secondary offering, a company needs the assistance of one or more (investment) banks, which will promote the shares and find shareholders. The role of investment banks in this process therefore is very important.
- **Bond issuances:** Issuing bonds can best be described as cutting a large loan into small pieces, and selling each piece separately. Bonds are issued on a large scale by governments, but also by corporations. Like shares, bonds are traded on the stock exchange. Bonds are sold on the capital market, to private investors as well as institutional investors. Banks rarely buy any bonds. But to issue bonds, a company needs the assistance of one or more (investment) banks which underwrite a certain amount of the bonds. Underwriting is in effect buying with the intention of selling to investors. Still, in case the investment bank fails to sell all bonds it has underwritten, it will end up owning the bonds.
- **(Managing) investments in shares:** Financial institutions can, through the funds they are managing, buy shares of a certain company. This provides the company with new equity, and gives the financial institution a direct influence on the company's strategy. The magnitude of this influence depends on the size of the shareholding.
- **(Managing) investments in bonds:** Like shares, financial institutions and private investors can buy bonds of a certain company. The main difference between owning shares and bonds is that owner of a bond is not a co-owner of the issuing company; the owner is a creditor of the company. The buyer of each bond is entitled to repayment after a certain number of years, and to a certain interest during each of these years.

These sources of financing were analysed using annual reports, stock exchange filings and other publications of the companies involved, archives of international financial journals, international press archives, as well as specialized financial databases (Thomson ONE Banker, Bloomberg).

For loans and underwritings of shares or bonds, all deals since 1 January 2010 were researched. In all cases, it is mentioned whether Deutsche Bank acts as bookrunner or a participant in the syndicate. If the amount committed is unknown, it is estimated by using the following rule of thumb:

- In the case of loans (corporate loans or revolving credit facilities), 40% of the total amount is committed by bookrunners and 60% by other participants of the syndicate. If, however, the amount of bookrunners is (almost) equal to, or higher than, the amount of participants, the reverse is used: 60% for the bookrunners and 40% for the arrangers.
- In the case of share- and bond issuances, 75% of the total amount is committed by bookrunners and 25% by other participants of the syndicate. The amount provided by bookrunners should *always* be higher than the amount provided by participants.
- In the case of share and bondholdings, the amounts are always known, so no estimate was needed.

For share and bondholdings the most recent figures are listed. Only the funds which have filing dates as of January 2011 or more recent are listed, as information from 2010 is considered outdated.

In the summary of the report, a table will be included summarising all financial relationships between the Deutsche Bank and the selected producers of cluster munitions.

Chapter 2 Alliant Techsystems (United States)

2.1 Shareholdings

Table 4 provides an overview of the shares of Alliant Techsystems which are owned or managed by Deutsche Bank.

Table 4 Shares of Alliant Techsystems owned or managed by Deutsche Bank

Investor/manager	Fund	# of shares	% all shares	Value (€ mln)	Filing date
Deutsche Asset Management Americas	-	21,421	0.06	0.86	30-Sep-11
Deutsche Bank Securities	-	41	0.00	0.00	30-Sep-11
Deutsche Investment Management Americas	-	427,016	1.29	17.12	30-Sep-11
Dreman Value Management, L.L.C.*	DWS Dreman Small Cap Value Fund	381,766	1.16	16.85	31-Dec-11
Total		830,244	2.51	34.83	

*In some cases, the fund's manager is not Deutsche Bank but by another party.

Source: Thomson ONE Banker, "Share ownership" *Thomson ONE Banker* (www.thomsonone.com), viewed February 2012.

Chapter 3 Aryt Industries (Israel)

No financial involvement of Deutsche Bank was found.

Chapter 4 Avibras (Brazil)

No financial involvement of Deutsche Bank was found.

Chapter 5 GenCorp (United States)

5.1 Shareholdings

Table 5 provides an overview of the shares of GenCorp which are owned or managed by Deutsche Bank.

Table 5 Shares of GenCorp owned or managed by Deutsche Bank

Investor/manager	Fund	# of shares	% all shares	Value (€ mln)	Filing date
Deutsche Asset Management Americas	-	270,940	0.46	0.90	30-Sep-11
Deutsche Bank Securities	-	445,506	0.76	1.47	30-Sep-11
Northern Trust Global Investments	DWS VIP Small Cap Index	15,378	0.03	0.06	31-Dec-11
Total		731,824	1.25	2.43	

Source: Thomson ONE Banker, "Share ownership" *Thomson ONE Banker* (www.thomsonone.com), viewed February 2012.

5.2 Bondholdings

Table 6 provides an overview of the bonds of GenCorp which are owned or managed by Deutsche Bank.

Table 6 Bonds of GenCorp owned or managed by Deutsche Bank

Investor/manager	Fund	% all bonds	Value (€ mln)	Filing date
Deutsche Bank AG	-	0.29	0.62	30-Sep-2011
Total		0.29	0.62	

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed February 2012.

Chapter 6 General Dynamics (United States)

6.1 Shareholdings

Table 7 provides an overview of the shares of General Dynamics which are owned or managed by Deutsche Bank.

Table 7 Shares of General Dynamics owned or managed by Deutsche Bank

Investor/manager	Fund	# of shares	% all shares	Value (€ mln)	Filing date
DB Platinum Advisors	DB Platinum Branchen Stars	42,870	0.01	2.03	31-Jul-11
DB Platinum Advisors	DB Platinum IV Croci US	335,500	0.09	15.87	31-Jul-11
DB Platinum Advisors	DB X-Trackers MSCI World TRN Index ETF	29,120	0.01	1.53	31-Jan-12
DB Platinum Advisors	DB X-Trackers S&P 500 Shariah ETF	385	0.00	0.02	31-Jan-12
DB Platinum Advisors	db x-trackers MSCI World Industrials TRN Index ETF	580	0.00	0.03	31-Dec-11
DWS Investment	-	3,700	0.00	0.15	30-Sep-11
Deutsche Asset Management Americas	-	1,298,810	0.36	54.34	30-Sep-11
Deutsche Bank Private Wealth Management Limited	-	85,929	0.02	3.60	30-Sep-11
Deutsche Bank Securities	-	11,917	0.00	0.50	30-Sep-11
Deutsche Investment Management Americas, Inc.	-	239,361	0.07	10.02	30-Sep-11
Northern Trust Global Investments	DWS Equity 500 Index Portfolio	64,319	0.02	3.30	31-Dec-11
Northern Trust Global Investments	DWS VIP Equity 500 Index Fund	21,495	0.01	1.10	31-Dec-11
Northern Trust Investments, N.A.	Deutsche Global Equity Index Mother	200	0.00	0.01	25-Oct-11
QS Investors, LLC	DWS Blue Chip Fund	107,100	0.03	5.49	31-Dec-11
QS Investors, LLC	DWS Disciplined Market Neutral Fund	43,900	0.01	1.94	31-Aug-11
QS Investors, LLC	DWS Growth & Income Fund	446,400	0.13	22.90	31-Dec-11
QS Investors, LLC	DWS Lifecycle Long Range Fund	5,200	0.00	0.23	31-Oct-11
QS Investors, LLC	DWS S&P 500 Plus Fund	5,731	0.00	0.29	31-Dec-11
QS Investors, LLC	DWS Var. Series II-Blue Chip Portfolio	16,300	0.00	0.83	31-Dec-11
QS Investors, LLC	DWS Variable Series I - Growth & Income VIP	11,500	0.00	0.60	30-Jun-11
Total		2,770,317	0.78	124.78	

Source: Thomson ONE Banker, "Share ownership" *Thomson ONE Banker* (www.thomsonone.com), viewed February 2012.

6.2 Bondholdings

Table 8 provides an overview of the bonds of General Dynamics which are owned or managed by Deutsche Bank.

Table 8 Bonds of General Dynamics owned or managed by Deutsche Bank

Investor/manager	Fund	% all bonds	Value (€ mln)	Filing date
Deutsche Asset Management	DWS US Bond Index Fund	0.00	0.09	30-Dec-11
Total		0.00	0.09	

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed February 2012; DWS Investments, "DWS US Bond Index Fund: Total Holdings as of 2011-12-30", DWS Investments, 2012, available at www.dws-investments.com/dynamic/fop/portfolioHoldings.pdf?fundKey=2,747&asOfDate=2011-12-30

Chapter 7 Hanwha Corporation (South Korea)

7.1 Shareholdings

Table 9 provides an overview of the shares of Hanwha Corporation which are owned or managed by Deutsche Bank.

Table 9 Shares of Hanwha Corporation owned or managed by Deutsche Bank

Investor/manager	Fund	# of shares	% all shares	Value (€ mln)	Filing date
DB Platinum Advisors	db x-trackers MSCI EM Materials TRN Index ETF	359	0.00	0.01	30-Nov-11
Total		359	0.00	0.01	

Source: Thomson ONE Banker, "Share ownership" *Thomson ONE Banker* (www.thomsonone.com), viewed February 2012.

Chapter 8 L-3 Communications (United States)

8.1 Shareholdings

Table 10 provides an overview of the shares of L-3 Communications which are owned or managed by Deutsche Bank.

Table 10 Shares of L-3 Communications owned or managed by Deutsche Bank

Investor/manager	Fund	# of shares	% all shares	Value (€ mln)	Filing date
DB Platinum Advisors	DB X-Trackers MSCI World TRN Index ETF	9,980	0.01	0.54	31-Jan-12
DB Platinum Advisors	db x-trackers MSCI World Industrials TRN Index ETF	199	0.00	0.01	31-Dec-11
DWS Investment GmbH	-	3,500	0.00	0.16	30-Sep-11
Deutsche Asset Management Americas	-	123,564	0.12	5.63	30-Sep-11
Deutsche Bank Private Wealth Management Limited	-	68,373	0.07	3.12	30-Sep-11
Deutsche Bank Securities Inc	-	1,098	0.00	0.05	30-Sep-11
Deutsche Investment Management Americas, Inc	-	130,528	0.13	5.95	30-Sep-11
Dreman Value Management, L.L.C.	DWS Dreman Mid Cap Value Fund	41,430	0.04	2.13	31-Dec-11
Northern Trust Global Investments	DWS Equity 500 Index Portfolio	18,068	0.02	0.93	31-Dec-11
Northern Trust Global Investments	DWS VIP Equity 500 Index Fund	5,991	0.01	0.31	31-Dec-11
Northern Trust Investments, N.A.	Deutsche Global Equity Index Mother	80	0.00	0.01	25-Oct-11
QS Investors, LLC	DWS S&P 500 Plus Fund	1,600	0.00	0.08	31-Dec-11
Total		404,411	0.40	18.92	

Source: Thomson ONE Banker, "Share ownership" *Thomson ONE Banker* (www.thomsonone.com), viewed February 2012.

8.2 Bond issuances

The following bond issuances of L-3 Communications since January 2010, in which Deutsche Bank participated, were found:

- In May 2010 L-3 Communications Corporation issued ten-year bonds with a value of US\$ 800 million (€ 648.8 million) and an interest rate of 4.750%. The proceeds were used for general corporate purposes and to reduce indebtedness. Deutsche Bank was one of the joint bookrunners in the syndicate of 16 banks, underwriting an amount of US\$ 140 million (€ 113.5 million).¹

- In February 2011 L-3 Communications Corporation issued ten-year bonds with a value of US\$ 650 million (€ 470.3 million) and an interest rate of 4.950%. The proceeds were used for general corporate purposes and to reduce indebtedness. Deutsche Bank was one of the joint bookrunners in the syndicate of 16 banks, underwriting an amount of US\$ 55.3 million (€ 40.0 million).²
- In November 2011 L-3 Communications Corporation issued five-year bonds with a value of US\$ 500 million (€ 370.5 million) and an interest rate of 3.950%. The proceeds were used for general corporate purposes and to reduce indebtedness. Deutsche Bank was one of the joint bookrunners in the syndicate of 14 banks, underwriting an amount of US\$ 90 million (€ 66.7 million).³

8.3 Bondholdings

Table 11 provides an overview of the bonds of L-3 Communications which are owned- or managed by Deutsche Bank.

Table 11 Bonds of L-3 Communications owned or managed by Deutsche Bank

Investor/manager	Fund	% of all outstanding bonds	Value (€ mln)	Filing date
Deutsche Bank AG	-	0.08	2.64	30-Sep-11
Total		0.08	2.64	

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed February 2012.

8.4 Loans

The following loans secured by L-3 Communications since January 2010, in which Deutsche Bank participated, were found:

- In February 2012 it was announced that L-3 Communications Corporation is currently in the process of securing a five-year revolving credit facility with a value of US\$ 1,000 million (€ 760.1 million) from a syndicate of banks. If completed, the facility will be used for refinancing and general corporate purposes. Deutsche Bank participates in the syndicate of 16 banks, and will commit an estimated amount of US\$ 62.5 million (€ 47.5 million).⁴

Chapter 9 Lockheed Martin (United States)

9.1 Shareholdings

Table 12 provides an overview of the shares of Lockheed Martin which are owned or managed by Deutsche Bank.

Table 12 Shares of Lockheed Martin owned or managed by Deutsche Bank

Investor/manager	Fund	# of shares	% all shares	Value (€ mln)	Filing date
DB Platinum Advisors	DB Platinum IV Croci US	311,700	0.10	16.39	31-Jul-11
DB Platinum Advisors	DB X-Trackers MSCI World TRN Index ETF	27,016	0.01	1.69	31-Jan-12
DB Platinum Advisors	DB X-Trackers S&P 500 Shariah ETF	287	0.00	0.02	31-Jan-12
DB Platinum Advisors	db x-trackers MSCI World Industrials TRN Index ETF	538	0.00	0.03	31-Dec-11
DWS Investment GmbH	-	4,700	0.00	0.25	30-Sep-11
Deutsche Asset Management Americas	-	1,361,535	0.42	72.73	30-Sep-11
Deutsche Bank Private Wealth Management Limited	-	680	0.00	0.04	30-Sep-11
Deutsche Bank Securities Inc	-	100,400	0.03	5.36	30-Sep-11
Deutsche Investment Management Americas, Inc	-	181,286	0.06	9.69	30-Sep-11
Northern Trust Global Investments	DWS Equity 500 Index Portfolio	47,991	0.01	3.00	31-Dec-11
Northern Trust Global Investments	DWS VIP Equity 500 Index Fund	16,278	0.01	1.02	31-Dec-11
Northern Trust Investments, N.A.	Deutsche Global Equity Index Mother	100	0.00	0.01	25-Oct-11
QS Investors, LLC	DWS Lifecycle Long Range Fund	13,200	0.00	0.71	31-Oct-11
QS Investors, LLC	DWS S&P 500 Plus Fund	3,330	0.00	0.21	31-Dec-11
QS Investors, LLC	DWS Variable Series I - Growth & Income VIP	4,100	0.00	0.23	30-Jun-11
Total		2,073,141	0.64	111.38	

Source: Thomson ONE Banker, "Share ownership" Thomson ONE Banker (www.thomsonone.com), viewed February 2012.

9.2 Bondholdings

Table 13 provides an overview of the bonds of Lockheed Martin which are owned or managed by Deutsche Bank.

Table 13 Bonds of Lockheed Martin owned or managed by Deutsche Bank

Investor/manager	Fund	% all bonds	Value (€ mln)	Filing date
Deutsche Asset Management	DWS US Bond Index Fund	0.00	0.18	30-Dec-11
Total		0.00	0.17	

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed February 2012; DWS Investments, "DWS US Bond Index Fund: Total Holdings as of 2011-12-30", DWS Investments, 2012, available at www.dws-investments.com/dynamic/fop/portfolioHoldings.pdf?fundKey=2,747&asOfDate=2011-12-30

9.3 Loans

The following loans secured by Lockheed Martin since January 2010, in which Deutsche Bank participated, were found:

- In August 2011 Lockheed Martin secured a five-year revolving credit facility with a value of US\$ 1,500 million (€ 1,041.1 million). The proceeds were used for general corporate purposes. Deutsche Bank acted as a participant in the syndicate of 15 banks, committing an estimated amount of US\$ 90 million (€ 62.5 million).⁵

Chapter 10 Poongsan Corporation (South Korea)

No financial involvement of Deutsche Bank was found.

Chapter 11 Raytheon (United States)

11.1 Shareholdings

Table 14 provides an overview of the shares of Raytheon which are owned or managed by Deutsche Bank.

Table 14 Shares of Raytheon owned or managed by Deutsche Bank

Investor/manager	Fund	# of shares	% all shares	Value (€ mln)	Filing date
DB Platinum Advisors	DB Platinum Branchen Stars	65,483	0.02	2.03	31-Jul-11
DB Platinum Advisors	DB Platinum IV Croci US	511,500	0.15	15.89	31-Jul-11
DB Platinum Advisors	DB X-Trackers MSCI World TRN Index ETF	33,487	0.01	1.22	31-Jan-12
DB Platinum Advisors	DB X-Trackers S&P 500 Shariah ETF	374	0.00	0.02	31-Jan-12
DB Platinum Advisors	db x-trackers MSCI World Industrials TRN Index ETF	667	0.00	0.02	31-Dec-11
DWS Investment GmbH	DWS (CH) - U,S, Equities	14,621	0.00	0.55	31-Dec-11
DWS Investment GmbH	DWS Core Alpha	18,431	0.01	0.69	31-Dec-11
DWS Investment GmbH	DWS Large Cap Value Fund	514,940	0.15	19.24	31-Dec-11
DWS Investment GmbH	DWS US Equities Typ O	12,651	0.00	0.47	31-Dec-11
DWS Investment GmbH	DWS Var, Series II - DWS Large Cap Value Portfolio	134,514	0.04	5.03	31-Dec-11
DWS Investment GmbH	DWS Var, Series II-DWS Strategic Value VIP	71,574	0.02	2.34	30-Apr-11
Deutsche Asset Management Americas	-	1,221,831	0.35	36.73	30-Sep-11
Deutsche Asset Management Investmentgesellschaft mbH	-	23,640	0.01	0.71	30-Sep-11
Deutsche Bank Private Wealth Management Limited	-	220	0.00	0.01	30-Sep-11
Deutsche Bank Securities Inc	-	28,849	0.01	0.87	30-Sep-11
Deutsche Investment Management Americas, Inc	-	246,000	0.07	7.39	30-Sep-11
Northern Trust Global Investments	DWS Equity 500 Index Portfolio	62,270	0.02	2.32	31-Dec-11
Northern Trust Global Investments	DWS VIP Equity 500 Index Fund	20,936	0.01	0.78	31-Dec-11
Northern Trust Investments, N.A.	Deutsche Global Equity Index Mother	200	0.00	0.01	25-Oct-11
QS Investors, LLC	DWS Balanced Fund	72,296	0.02	2.25	31-Oct-11
	DWS Blue Chip Fund	52,500	0.02	1.96	31-Dec-11

Investor/manager	Fund	# of shares	% all shares	Value (€ mln)	Filing date
QS Investors, LLC	DWS Growth & Income Fund	218,700	0.06	8.17	31-Dec-11
QS Investors, LLC	DWS Lifecycle Long Range Fund	19,759	0.01	0.61	31-Oct-11
QS Investors, LLC	DWS S&P 500 Plus Fund	4,992	0.00	0.19	31-Dec-11
QS Investors, LLC	DWS Var, Series II-Balanced Portfolio	17,536	0.01	0.53	30-Sep-11
QS Investors, LLC	DWS Var, Series II-Blue Chip Portfolio	7,976	0.00	0.30	31-Dec-11
QS Investors, LLC	DWS Variable Series I - Growth & Income VIP	10,800	0.00	0.38	30-Jun-11
Total		3,386,747	0.99	110.71	

Source: Thomson ONE Banker, "Share ownership" *Thomson ONE Banker* (www.thomsonone.com), viewed February 2012.

11.2 Bond issuances

The following bond issuances of Raytheon since January 2010, in which Deutsche Bank participated, were found:

- In November 2011 Raytheon issued bonds with a total value of US\$ 1,000 million (€ 750.1 million). The issue was divided in two tranches: a US\$ 575 million (€ 431.3 million) three-year tranche with an interest rate of 1.400%, and a US\$ 425 million (€ 318.8 million) 30-year tranche with an interest rate of 4.700%. The proceeds were used for general corporate purposes. Deutsche Bank participated in the syndicate of 14 banks, underwriting a total amount of US\$ 30 million (€ 22.5 million).⁶

11.3 Bondholdings

Table 15 provides an overview of the bonds of Raytheon which are owned or managed by Deutsche Bank.

Table 15 Bonds of Raytheon owned or managed by Deutsche Bank

Investor/manager	Fund	% all bonds	Value (€ mln)	Filing date
Deutsche Asset Management	DWS US Bond Index Fund	0.00	0.16	30-Dec-11
DWS Investment	PAM Fixed Income Opportunities (USD)	0.01	0.38	30-Nov-11
Total		0.01	0.54	

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed February 2012; DWS Investments, "DWS US Bond Index Fund: Total Holdings as of 2011-12-30", DWS Investments, 2012, available at www.dws-investments.com/dynamic/fop/portfolioHoldings.pdf?fundKey=2,747&asOfDate=2011-12-30

11.4 Loans

The following loans secured by Raytheon since January 2010, in which Deutsche Bank participated, were found:

- In November 2010 Raytheon secured a US\$ 500 million (€ 368.3 million) two-year revolving credit facility. The proceeds were used for general corporate purposes and refinancing. Deutsche Bank acted as a participant in the syndicate of 19 banks, committing an estimated amount of US\$ 17.6 million (€ 13.0 million).⁷
- In December 2011 Raytheon secured a US\$ 1,400 million (€ 1,053.4 million) five-year revolving credit facility. The proceeds were used for general corporate purposes. In connection with entering into this agreement, the company terminated two of its existing credit facilities, including the credit facility secured in November 2010. Deutsche Bank acted as a participant in the syndicate of 24 banks, committing an estimated amount of US\$ 38.2 million (€ 28.7 million).⁸

Chapter 12 Samsung Techwin (South Korea)

12.1 Shareholdings

Table 14 provides an overview of the shares of Samsung Techwin which are owned or managed by Deutsche Bank.

Table 16 Shares of Samsung Techwin owned or managed by Deutsche Bank

Investor/manager	Fund	# of shares	% all shares	Value (€ mln)	Filing date
DB Platinum Advisors	db x-trackers MSCI EM Industrials TRN Index ETF	557	0.00	0.02	30-Nov-11
Total		557	0.00	0.03	

Chapter 13 Singapore Technologies Engineering (Singapore)

13.1 Shareholdings

Table 17 provides an overview of the shares of Singapore Technologies Engineering which are owned or managed by Deutsche Bank.

Table 17 Shares of Singapore Technologies Engineering owned or managed by Deutsche Bank

Investor/manager	Fund	# of shares	% all shares	Value (€ mln)	Filing date
DB Platinum Advisors	DB X-Trackers MSCI World TRN Index ETF	144,689	0.00	0.26	31-Jan-12
DB Platinum Advisors	db x-trackers MSCI World Industrials TRN Index ETF	2,880	0.00	0.01	31-Dec-11
Deutsche Asset Management (Asia) Ltd	DWS Singapore Equity Fund A	365,000	0.01	0.62	30-Jun-11
Northern Trust Global Investments	DWS EAFE Equity Index Fund	47,000	0.00	0.08	31-Dec-11
Northern Trust Investments, N.A.	Deutsche Global Equity Index Mother	1,000	0.00	0.00	25-Oct-11
QS Investors, LLC	DWS Diversified International Equity Fund	26,000	0.00	0.04	31-Dec-11
QS Investors, LLC	DWS Lifecycle Long Range Fund	6,000	0.00	0.01	31-Oct-11
QS Investors, LLC	DWS Var. Series II - Diversified International Equity VIP	15,000	0.00	0.02	31-Dec-11
Total		607,569	0.02	1.04	

Source: Thomson ONE Banker, "Share ownership" *Thomson ONE Banker* (www.thomsonone.com), viewed February 2012.

Chapter 14 Textron (United States)

14.1 Shareholders

Table 18 provides an overview of the shares of Textron which are owned or managed by Deutsche Bank.

Table 18 Shares of Textron owned or managed by Deutsche Bank

Investor/manager	Fund	# of shares	% all shares	Value (€ mln)	Filing date
DB Platinum Advisors	DB X-Trackers MSCI World TRN Index ETF	26,263	0.01	0.51	31-Jan-12
DB Platinum Advisors	db x-trackers MSCI World Industrials TRN Index ETF	523	0.00	0.01	31-Dec-11
Deutsche Asset Management Americas	-	811,824	0.29	10.53	30-Sep-11
Deutsche Bank Private Wealth Management Limited	-	160	0.00	0.00	30-Sep-11
Deutsche Bank Securities Inc	-	19,257	0.01	0.25	30-Sep-11
Deutsche Investment Management Americas, Inc	-	80,472	0.03	1.04	30-Sep-11
Northern Trust Global Investments	DWS Equity 500 Index Portfolio	49,154	0.02	0.70	31-Dec-11
Northern Trust Global Investments	DWS VIP Equity 500 Index Fund	16,506	0.01	0.24	31-Dec-11
Northern Trust Investments, N.A.	Deutsche Global Equity Index Mother	100	0.00	0.00	25-Oct-11
QS Investors, LLC	DWS S&P 500 Plus Fund	4,200	0.00	0.06	31-Dec-11
Total		1,008,459	0.37	13.34	

Source: Thomson ONE Banker, "Share ownership" *Thomson ONE Banker* (www.thomsonone.com), viewed February 2012.

14.2 Bondholdings

Table 19 provides an overview of the bonds of Textron which are owned or managed by Deutsche Bank.

Table 19 Bonds of Textron owned or managed by Deutsche Bank

Investor/manager	Fund	% of all outstanding bonds	Value (€ mln)	Filing date
Deutsche Bank AG	-	0.21	5.37	30-Sep-11
Total		0.21	5.37	

Source: Bloomberg Database, "Bond holdings", *Bloomberg Database*, viewed February 2012.

14.3 Loans

The following loans secured by Textron since January 2010, in which Deutsche Bank participated, were found:

- In March 2011 Textron secured a four-year revolving credit facility with a value of US\$ 1,000 million (€ 703.3 million). The proceeds were used for general corporate purposes. Deutsche Bank acted as a joint bookrunner in the syndicate of nine banks, committing an amount of US\$ 135 million (€ 94.9 million).⁹

Appendix 1 References

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- 4 Thomson ONE Banker, "Tearsheet 2818634115", *Thomson ONE Banker (www.thomsonone.com)*, 3 February 2012.
- 5 Thomson ONE Banker, "Tearsheet 2767733115", *Thomson ONE Banker (www.thomsonone.com)*, 26 August 2011; Lockheed Martin, "Form 10-K for the Quarter ended September 25, 2011", *Lockheed Martin*, October 2011, available at files.shareholder.com/downloads/LMT/0x0x513678/dce6a51-0f8e-4171-adf5-ec7809f5f3b1/Form_10-Q_for_period_ending_09-25-11_-_as_filed_10-27-11.pdf
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- 8 Bloomberg Database, "Loan finder", *Bloomberg Database*, viewed February 2012; Raytheon, "\$1,400,000,000 Five-Year Competitive Advance and Revolving Credit Agreement", *Raytheon*, 13 December 2011, available at investor.raytheon.com/phoenix.zhtml?c=84193&p=irol-sec&secCat01TF.6_rs=11&secCat01TF.6_rc=10
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