



DEFENSE & WEAPONS
**TOP INTERNATIONAL
CORPORATIONS
& MAIN SHAREHOLDERS**

DIFESA & ARMI
**GRANDI MULTINAZIONALI
E PRINCIPALI AZIONISTI**

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SIRYA & YEMEN TANKS DEFENSE - WEAPON'S CORPORATIONS



DEFENSE - WEAPONS TOP CORPORATIONS - 1

In this dossier there are the Defence Top International Corporations with more than 50 % of their sales in defense products or services. Before the name there's the Id nation, beside the defense revenue 2017 in millions USD. There are also the main (only) shareholders of them. The important Russian corporations are at the end of this research because are wholly owned by State.

<i>holding & main investors</i>	<i>shares</i>	<i>percentage</i>
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US - LOCKHEED MARTIN CORPORATION (LMT)

\$47.985

aeronautic systems (39.5%): military and civilian aircraft; submarine electronic systems (27.8%): avionics systems, radars, sensors, etc; aerospace systems (18.6%): etc; defense systems (14.1%): air and missile defense systems, tactical missiles, precision strike weapons, fire control, etc. Services for mission operations, sales products (85.9%) and services (14.1%). The United States account for 70.5% of net sales.

SSgA Funds Management, Inc.	45,390,696	16.0%
The Vanguard Group, Inc.	20,892,014	7.35%
Capital Research & Management Co. (World Invest.)	16,533,170	5.81%
BlackRock Fund Advisors	12,787,212	4.50%
Wellington Management Co. LLP	11,477,125	4.04%
Capital Research & Management Co. (Global Invest.)	7,145,676	2.51%
Managed Account Advisors LLC	4,122,474	1.45%
Merrill Lynch, Pierce, Fenner & Smith, Inc. (Mgmt)	3,559,723	1.25%
Capital Research & Management Co. (Internat.)	3,465,642	1.22%
Morgan Stanley Smith Barney LLC (Invt Mgmt)	3,432,014	1.21%

US - RAYTHEON RTN

\$23.573.

design, manufacturing and marketing of electronic defense equipment and systems. missile systems (30.2%): weapons systems, missiles, munitions, projectiles, integrated air and missile defense systems (24.9%): radars systems, control and monitoring equipments etc.; aerospace systems (23.2%): primarily radars and airborne sensors; network and information security solutions and services (21.7%). Network systems and technical services (consulting, engineering, technical assistance etc.).

The Vanguard Group, Inc.	22,625,932	7.95%
BlackRock Fund Advisors	15,903,177	5.59%
SSgA Funds Management, Inc.	12,136,204	4.26%
AllianceBernstein LP	4,054,014	1.42%

DEFENSE - WEAPONS TOP CORPORATIONS - 2

<i>holding & main investors</i>	<i>shares</i>	<i>percentage</i>
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UK – BAE SYSTEMS (BA.)

\$22.380

United Kingdom corporation. Land-based equipment: combat vehicles, tanks, missile launchers, artillery systems, munitions, etc.; electronic communication, navigation and simulation systems. Aeronautical-marine equipment: aircraft, submarines, etc.

Capital Research & Management Co. (World Invest.)	176,440,590	5.52%
Wellington Management Co. LLP	167,958,710	5.26%
Capital Research & Management Co. (Global)	133,732,874	4.18%
Barclays Bank Plc (Private Banking)	126,822,908	3.97%
The Vanguard Group, Inc.	87,295,000	2.73%

US - NORTHROP GRUMMAN CORPORATION (NOC) & Orbital ATK \$21.700.

aerospace systems (42.6%); electronic equipments (40.5%): radars, sensors, air traffic control, communication, supervision systems; technical services (16.9%): infrastructure management, maintenance, integration and training services.

SSgA Funds Management, Inc.	18,268,242	10.5%
The Vanguard Group, Inc.	13,329,079	7.68%
BlackRock Fund Advisors	9,315,684	5.37%
Capital Research & Management Co. (World)	4,751,070	2.74%
Capital Research & Management Co. (Internat.)	4,525,421	2.61%
Wellington Management Co. LLP	3,813,417	2.20%

US - GENERAL DYNAMICS

\$19.587

information systems and technologies (28.7%), business aircraft (26.2%), submarines and boats (25.8%), defense and security systems (19.2%): armored combat vehicles, land combat systems, weapons systems, munitions, protection and detection systems

Capital Research & Management Co. (Global)	20,710,266	6.99%
The Vanguard Group, Inc.	20,503,532	6.92%
BlackRock Fund Advisors	13,406,151	4.53%
Wellington Management Co. LLP	11,877,734	4.01%
SSgA Funds Management, Inc.	11,431,771	3.86%
JPMorgan Investment Management, Inc.	6,390,918	2.16%

DEFENSE - WEAPONS TOP CORPORATIONS - 3

<i>holding & main investors</i>	<i>shares</i>	<i>percentage</i>
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FR – THALES (+35 % NAVAL GROUP \$4,178.) \$8.926

Frenche corporation. Defense and security systems (50.5%): C4I defense and security systems, naval systems, drones, air defense, ground defense systems and missiles; aerospace systems (37.9%): avionics equipment (cockpit, cabin multimedia, and simulation equipment), space systems (satellites, payloads, etc.);

Government of France	54,788,714	25.8%
Dassault Aviation SA	52,531,431	24.7%
BlackRock Investment Management (UK) Ltd.	4,117,791	1.94%
The Vanguard Group, Inc.	2,794,351	1.31%
BlackRock Fund Advisors	1,971,882	0.93%
Capital Research & Management Co. (World)	1,913,500	0.90%
Norges Bank Investment Management	1,884,175	0.89%

IT – LEONARDO \$8.856

Italian corporation. Defense systems (44.1%): weapons, radar; helicopters (28.2%): for civilian and military uses; aeronautic equipment (27%): aircrafts, etc.;

Government of Italy	174,626,554	30.2%
The Vanguard Group, Inc.	10,423,931	1.80%
Norges Bank Investment Management	10,046,234	1.74%
AllianceBernstein Ltd.	5,392,081	0.93%
BlackRock Fund Advisors	4,949,601	0.86%

US – UNITED TECHNOLOGIES CORPORATION \$7.826

aeronautics (26.5%; Pratt & Whitney): design and manufacturing and maintenance of civil and military aircraft engines, gas turbines, rocket engines and propulsion systems; aerial navigation systems (24.1%; UTC Aerospace Systems): design and production of electrical, electronical and mechanical systems for aircrafts civil and military helicopters

SSgA Funds Management, Inc.	90,427,926	10.5%
The Vanguard Group, Inc.	64,294,374	7.45%
BlackRock Fund Advisors	37,438,914	4.34%
Wellington Management Co. LLP	14,914,369	1.73%
Morgan Stanley Smith Barney LLC (Invt Mgmt)	10,041,068	1.16%

DEFENSE - WEAPONS TOP CORPORATIONS - 4

<i>holding & main investors</i>	<i>shares</i>	<i>percentage</i>
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US - L3 TECHNOLOGIES INC (LLL) **\$7.749**

contractor in Intelligence, Surveillance and Reconnaissance (ISR) systems, aircraft sustainment, simulation and training, night vision and image intensification equipment and security and detection systems.

The Vanguard Group, Inc.	8,621,939	11.0%
BlackRock Fund Advisors	4,662,377	5.92%
SSgA Funds Management, Inc.	3,444,820	4.38%
Goldman Sachs & Co. LLC (Private Banking)	1,650,774	2.10%
Capital Research & Management Co. (Global)	1,550,000	1.97%

US - HUNTINGTON INGALLS INDUSTRIES (HII) **\$7.030.**

design and construction of nuclear pow. ships (55.3%): aircraft carriers & submarines; design and const. of non-nuclear ships (32.1%): amphibious assault vessels, surface combat ships; national security interception ships for American navy and coastguard;

The Vanguard Group, Inc.	4,920,811	11.5%
SSgA Funds Management, Inc.	3,224,285	7.51%
BlackRock Fund Advisors	2,758,639	6.42%

US - LEIDOS HOLDINGS INC (LDOS) **\$5.218.**

global science and technology company. The Company provides technology and engineering services and solutions in the defense, intelligence, civil and health markets.

The Vanguard Group, Inc.	13,531,38	7.04%
BlackRock Fund Advisors	11,678,473	7.80%
SSgA Funds Management, Inc.	4,717,758	3.15%

US - BOOZ ALLEN HAMILTON HOLDING CORPORATION (BAH) **\$4,320**

management and technology, consulting and engineering services to the United States and international governments, corporations and not-for-profit organizations.

The Vanguard Group, Inc.	14,873,871	10.4%
T. Rowe Price Associates, Inc.	11,537,431	8.11%
William Blair Investment Management LLC	7,331,412	5.15%
BlackRock Fund Advisors	7,244,915	5.09%
AllianceBernstein LP	3,798,160	2.67%

DEFENSE - WEAPONS TOP CORPORATIONS - 5

<i>holding & main investors</i>	<i>shares</i>	<i>percentage</i>
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US – HARRIS CORPORATION (HRS) \$4.158

air, maritime, road traffic management systems (38.3%); geospatial information systems & electronic defense equipment (31%); government communic. sys. (30.7%).

T. Rowe Price Associates, Inc.	13,809,945	11.7%
The Vanguard Group, Inc.	13,260,738	11.3%
BlackRock Fund Advisors	7,677,571	6.53%
SSgA Funds Management, Inc.	5,204,625	4.42%
Wellington Management Co. LLP	5,115,747	4.35%

UK - MELROSE INDUSTRIES – GKN AEROSPACE \$3.484

United Kingdom: automotive and aerospace components company

BlackRock Investment Management (UK) Ltd.	258,871,749	5.33%
Capital Research & Management Co. (World)	205,265,221	4.23%
BlackRock Fund Advisors	102,178,000	2.10%

DE – RHEINMETALL AG (RHM) \$3.430

German corporation with manufacturing of military equipment (51.5% of net sales): land and air drones, electronic vessel simulators, anti-mine systems, armored vehicles, weapons, radar, munitions; manufacturing of automotive equipment (48.5%): motor parts, pistons, cylinders, aluminum parts, fuel tanks, radiators, pumps, etc.

Capital Research & Management Co. (World)	4,748,070	10.9%
Norges Bank Investment Management	1,204,275	2.76%
The Vanguard Group, Inc.	1,130,613	2.60%
Rheinmetall AG	679,709	1.56%
Allianz Global Investors GmbH	566,962	1.30%
Goldman Sachs Asset Management LP	554,852	1.27%
BlackRock Fund Advisors		0,96 %

ISR – ELBIT SYSTEMS LTD (ELST) (with ASHOT) \$3.377

Israeli corporation with airborne, land and naval systems and products for defense, homeland security and commercial aviation applications.

Michael Federmann	19,580,342	45.8%
Fidelity Management & Research Co.	659,414	1.54%
The Vanguard Group, Inc.	571,494	1.34%

DEFENSE - WEAPONS TOP CORPORATIONS - 6

holding & main investors *shares* *percentage*

US – CACI INTERNATIONAL INC (CACI) \$2.829

Simulation technology company in domestic and international operations, include business systems; command and control; communications; cyber security, and enterprise information technology. Primary customers agencies and departments of the United States government.

BlackRock Fund Advisors	3,339,175	13.4%
The Vanguard Group, Inc.	2,937,984	11.8%
SSgA Funds Management, Inc.	683,757	2.75%
Goldman Sachs Asset Management LP	517,733	2.08%

US – SCIENCE APPLICATIONS INTERNATIONAL CORP (SAIC) \$2.761

provider of technical, engineering and enterprise information technology (IT) services

The Vanguard Group, Inc.	5,315,075	8.98%
BlackRock Fund Advisors	4,349,605	7.35%
Kohlberg Kravis Roberts & Co. LP	4,032,201	6.81%

US - PERSPECTA INC (PRSP) \$2.732

provides end-to-end information technology (IT) services and mission solutions to government customers

Veritas Capital Fund Management LLC	23,273,341	14.2%
BlackRock Fund Advisors	14,744,245	8.99%
The Vanguard Group, Inc.	12,910,441	7.87%
SSgA Funds Management, Inc.	6,795,737	4.14%

TURKEY - ASELSAN ELEKTRONIK SANAYI VE TICARET AS (ASELS) \$1.424

Turkish corporation. Software, equipment, system, tools, material and platforms in the fields of electrical, electronics, microwave, electro-optics, guidance, computer, data processing, encryption, security, mechanics, chemistry and related subjects within the army, navy, air force and aerospace applications.

Turkish Armed Forces Foundation	845,825,624	74.2%
BlackRock Fund Advisors	10,529,433	0.92%
The Vanguard Group, Inc.	5,716,565	0.50%
BlackRock Advisors (UK) Ltd.	4,244,515	0.37%
Norges Bank Investment Management	3,071,151	0.27%

DEFENSE - WEAPONS TOP CORPORATIONS - 7

<i>holding & main investors</i>	<i>shares</i>	<i>percentage</i>
US - AEROJET ROCKETDYNE HOLDINGS INC (AJRD)		\$1.870
aerospace and defense products and systems.		
BlackRock Fund Advisors	11,518,288	14.7%
The Vanguard Group, Inc.	7,198,016	9.19%
T. Rowe Price Associates, Inc.	7,087,276	9.05%
Wellington Management Co. LLP	3,756,869	4.80%
US – VECTRUS INC (VEC)		\$1.114
Management services support to the United States Army, Air Force and Navy, with infrastructure services, security, warehouse, ammunition management, civil engineering, air base maintenance and operations, communications, emergency services, transportation, and life support activities at various global military installations.		
BlackRock Fund Advisors	801,021	7.11%
The Vanguard Group, Inc.	558,783	4.96%
JPMorgan Investment Management, Inc.	384,287	3.41%
J – NEC CORP		\$1.062
Japan corporation. IT services (47.4%): integration, maintenance, outsourcing, support services, etc.; sale of hardware and software (25.1%): PCs, servers, workstations, routers, CPUs, monitors, security software and databases, etc.;		
Sumitomo Mitsui Trust Asset Manag. Co., Ltd.	12,688,500	4.87%
Eastspring Investments (Singapore) Ltd.	11,772,810	4.52%
BlackRock Fund Advisors	10,330,264	3.97%
The Vanguard Group, Inc.	6,919,009	2.66%
BlackRock Japan Co., Ltd.	5,344,400	2.05%
Norges Bank Investment Management	4,199,629	1.61%
UK - QINETIC GROUP PLC (QQ)		\$850
United Kingdom corporation. Science and engineering company in the defense, security and aerospace markets: include EMEA provides research and advice in specialist areas, control, communications, computers, intelligence, surveillance and reconnaissance, weapons and energetics, cyber security and procurement advisory services.		
Schroder Investment Management Ltd.	54,558,998	9.61%
Norges Bank Investment Management	22,349,306	3.94%
BlackRock Investment Management (UK) Ltd.	20,648,315	3.64%

DEFENSE - WEAPONS TOP CORPORATIONS - 8

others main investors shareholding

THE VANGUARD GROUP INC

SAAB Swedish	1,47 %,
LIG N EX 1 Sud Corea	1.23%,
KONSBERG Finland	1.14%

BLACKROCK FUND ADVISORS

ULTRA ELECTRONICS – United Kingdom	5.40%
LIG N EX 1 South Korea	0.62%,

investors total shareholdings

THE VANGUARD GROUP INC	25 corporations shareholdings
BLACKROCK FUND ADVISORS	24 corporations shareholdings
SSGA FUNDS MANAGEMENT	11 corporations shareholdings
BANKS: BARCKLAYS, GOLDMAN, MORGAN etc	9 corporations shareholdings
CAPITAL RESEARCH & MANAGEMENT	8 corporations shareholdings
WELLINGTON MANAGEMENT	7 corporations shareholdings
NORGES BANK INVESTMENT	6 corporations shareholdings

investors profile

THE VANGUARD GROUP INC 25 corporations shareholdings
Malvern, Pennsylvania. US. The Vanguard Group is an American registered investment advisor with over \$5.3 trillion in assets under management. It is the largest provider of mutual funds and the second-largest provider of exchange-traded funds (ETFs) in the world after BlackRock's iShares. Chairman and Ceo: **Mortimer J. Buckley**

BLACKROCK FUND ADVISORS 24 corporations shareholdings
New York, New York. US. BlackRock, Inc. is an American global investment management corporation founded in 1988, initially as a risk management and fixed income institutional asset manager, BlackRock is today the world's largest asset manager with \$5.98 trillion in assets under management as of December 2018. BlackRock operates globally with 70 offices in 30 countries and clients in 100 countries. Due to its power and the sheer size and scope of its financial assets and activities, BlackRock has been called the world's largest shadow bank. Chairman and Ceo: **Larry Fink**

DEFENSE - WEAPONS TOP CORPORATIONS - 9

investors profile

SSGA FUNDS MANAGEMENT

11 corporations shareholdings

Boston, Massachusetts. US. State Street Global Advisors (SSGA) is the investment management division of State Street Corporation, second United States bank, and the world's fifth largest asset manager. Chairman and Ceo: **Cyrus Taraporevala.**

CAPITAL RESEARCH & MANAGEMENT

8 corporations shareholdings

Los Angeles, California. US. Jonathan Bell Lovelace believed that fundamental research is essential to achieving superior long-term investment results. The small company he founded in 1931 has grown into one of the world's most respected financial institutions. Chairman and Ceo: **Timothy D. Armour**

WELLINGTON MANAGEMENT

7 corporations shareholdings

Boston, Massachusetts. US. Founded in 1928, WM is one of the world's largest independent investment management firms. With over USD 1 trillion in client assets under management as of 31 December 2018, serves as a trusted adviser to clients in over 60 countries. Chairman and Ceo: **Brendan Swords**

NORGES BANK INVESTMENT

6 corporations shareholdings

Oslo. Norges Bank is the central bank of Norway. Apart from having traditional central bank responsibilities such as financial stability and price stability, it manages The Government Pension Fund of Norway, a stabilization fund that may be the world's largest sovereign wealth fund. Chairman and Ceo: **Øystein Olsen**

GOLDMAN SACHS GROUP

3 corporations shareholdings

New York, New York. US. The Goldman Sachs Group, Inc., is an American multinational investment bank and financial services company founded in 1869. It offers services in investment management, securities, asset management, prime brokerage, and securities underwriting. The bank is one of the largest investment banking enterprises in the world, and is a primary dealer in the United States Treasury security market. The bank also owns Goldman Sachs Bank USA, a direct bank. Chairman and Ceo: **David M. Solomon**

DEFENSE - WEAPONS TOP CORPORATIONS - 10

investors profile

MORGAN STANLEY

3 corporations shareholdings

New York, New York. US. Morgan Stanley is an American multinational investment bank and financial services company with offices in more than 42 countries, the firm's clients include corporations, governments, institutions and individuals. Morgan Stanley ranked No. 67 in the 2018 Fortune 500 list of the largest US corporations by total revenue. The original MS, formed by J.P. Morgan & Co. partners Henry Sturgis Morgan (grandson of J.P. Morgan), Harold Stanley and others, came into existence on September 16, 1935. The current Morgan Stanley is the result of merger of the original Morgan Stanley with Dean Witter Discover & Co. in 1997. Chairman and Ceo: **James P. Gorman.**

BARCKAYS

1 corporations shareholding

London, United Kingdom. Barclays plc is a British multinational investment bank and financial services company. Apart from investment banking, Barclays is organised into four core businesses: personal banking, corporate banking, wealth management, and investment management. Barclays has a primary listing on the London Stock Exchange and is a constituent of the FTSE 100 Index. It has a secondary listing on the New York Stock Exchange. Qatar Holdings, an investment vehicle of the State of Qatar, is the largest shareholder of the company. Group chairman: **John McFarlane.** Group Ceo: **Jes Staley.**

JPMORGAN CHASE NYSE

1 corporations shareholding

New York, New York. US. JPM) is one of the oldest financial institutions in the United State with a history dating back over 200 years. Leading global financial services firm with assets of \$2.6 trillion, presences in over 100 markets. It's leader in investment banking, financial services for consumers and small businesses, commercial banking, financial transaction processing and asset management. Our stock is a component of the Dow Jones Industrial Average. Chairman and Ceo: **Jamie Dimon**

MERRILL LYNCH, PIERCE, FENNER & SMITH

1 corporations shareholding

New York, New York. US. Merrill, previously Merrill Lynch, is an American investing and wealth management division under the auspices of Bank of America. Along with BofA Securities, the investment banking arm, both firms engage in prime brokerage and security dealings. The firm is headquartered in New York City, and occupies the entire 34 stories of 250 Vesey Street, part of the Brookfield Place complex, in Manhattan. Merrill manages \$2.2 trillion in client assets. Chairman and Ceo Bank of America: **Brian Moynihan**

DEFENSE - WEAPONS TOP CORPORATIONS - 11

Russian Corporations wholly owned of Russian Federation

Near the name there's the defense revenue 2017 in millions.

RU - ALMAZ-ANTEY

\$9.125

Russian state-owned company in the arms industry, a result of a merger of Antey Corporation and NPO Almaz, unifying some of the national military enterprises, in particular, the developers of anti-aircraft defence systems.

PJSC UNITED AIRCRAFT CORPORATION (UAC)

\$6.197

A Russian aerospace and defense corporation. With a majority stake belonging to the Russian Government, it consolidates Russian private and state-owned aircraft manufacturing companies and assets engaged in the manufacture, design and sale of military, civilian, transport, and unmanned aircraft. Its headquarters are in Krasnoselsky District, Central Administrative Okrug, Moscow.

RU - JSC TACTICAL MISSILES CORPORATION (KTRV)

\$3.574

major Russian weapon (especially missiles) manufacturer. Headquarters in Korolyov, Moscow Oblast. Owner: Federal Agency for State Property Management

RU - RUSSIAN HELICOPTERS

\$2.735

A helicopter design and manufacturing company headquartered in Moscow, Russia. The company designs and manufactures civilian and military helicopters. The company's principal shareholder is Rostec (State Corporation for Assistance to Development, Production and Export of Advanced Technology Industrial Product Rostec)

SOURCES

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on the cover: Lockheed Martins Tacms Airdefense System - on the backcover: Israeli Iron Dome

