

**Part I: New Zealand**

1. New Zealand's Future Defence Budget and Procurements
2. New Zealand: Defence Industry
3. Epicos "Industrial Cooperation and Offset Projects"
4. Development of a customized ISR / UAV training program
5. Training a mobile Unit for aircraft Non-Destructive Testing
6. News from our A&D Business Network

**Part II: Epicos Newsroom**

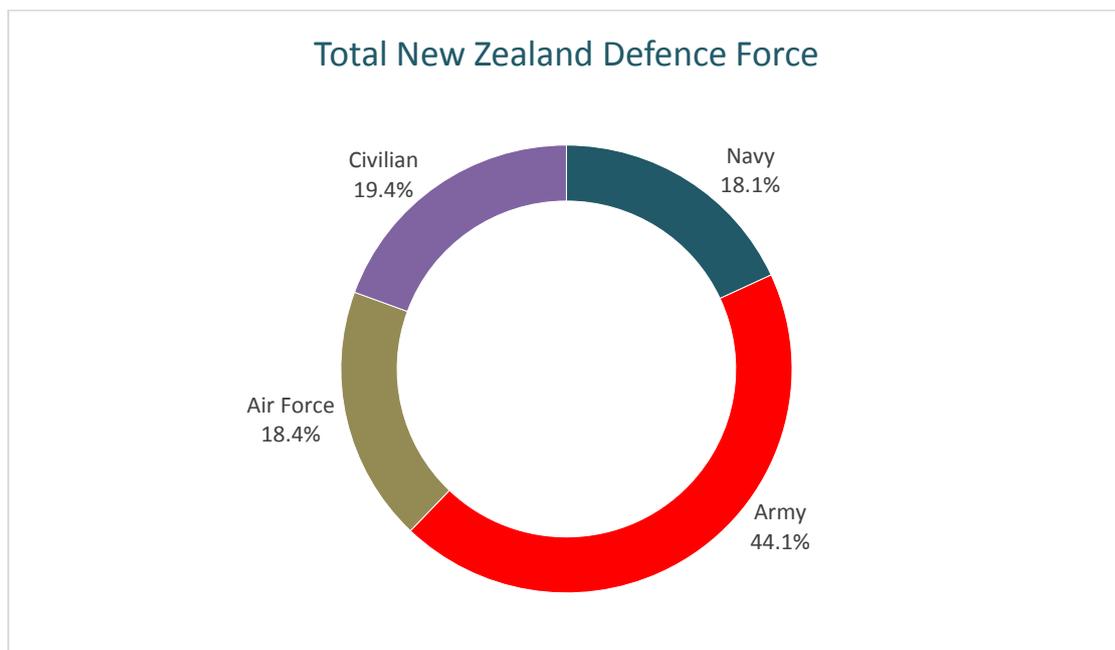
1. Defence Industry Minister Opens Austal's New Pacific Patrol Boat Replacement Shipbuilding Facility
2. Vector Aerospace certified by GE Aviation as Authorized Service Provider for T700 Turboshaft Engines
3. SAAB to Supply Wide Area Multilateration Systems to NATS in the UK
4. Leonardo Is Growing in the USA with the Acquisition of Daylight Solutions
5. Huntington Ingalls Industries' Technical Solutions Division Awarded Contract from the Joint Program Executive Office for Chemical and Biological Defense

## New Zealand's Future Defence Budget and Procurements



The Ministry of Defence (MoD) of New Zealand is responsible for providing advice to the Government towards the safeguarding of the interests of the country, the purchase of major Defence equipment according to the New Zealand Defence Force's (NZDF) needs, while assessing at the same time the functions, duties, projects and capability delivery. The New Zealand Defence Force (NZDF) consists of the Royal New Zealand Navy (RNZN), the New Zealand Army and Royal New Zealand Air Force (RNZAF) (see chart below).

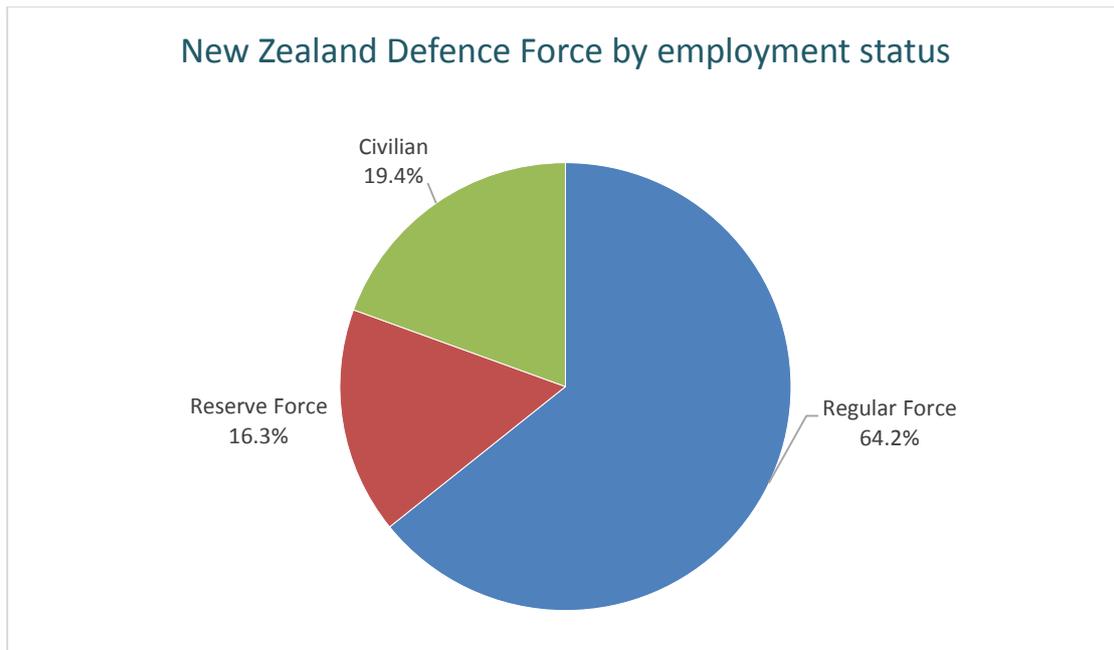
The NZDF is charged with the development and sustainment of specific military capabilities, skills and the cultivation of a 'culture', necessary to meet the demands appearing in the operating environments. All the aforementioned bodies, deliver their maximum, under a joint and collaborative concept, known as "Joint Task Force".



Source: <http://www.defence.govt.nz/assets/Uploads/defence-white-paper-2016.pdf>

The fundamental roles of the nation's Armed Forces, are the protection of the country's sovereignty, contributing to national resilience, as part of the fulfilment of the country's commitment to its ally Australia, supporting New Zealand's civilian presence in Antarctica and responding to activity in the Southern Ocean, and finally contributing to operations in the South Pacific, in support of peace in the Asia-Pacific region, while promoting New Zealand's wider interests and security partnerships.

In a different segregation, the Defence Force, comprising of 14,199 people, consists of the Regular Force (64.2%), the Reserve Force (16.3%) and Civilian staff (19%) (See chart below).



Source: <http://www.defence.govt.nz/assets/Uploads/defence-white-paper-2016.pdf>

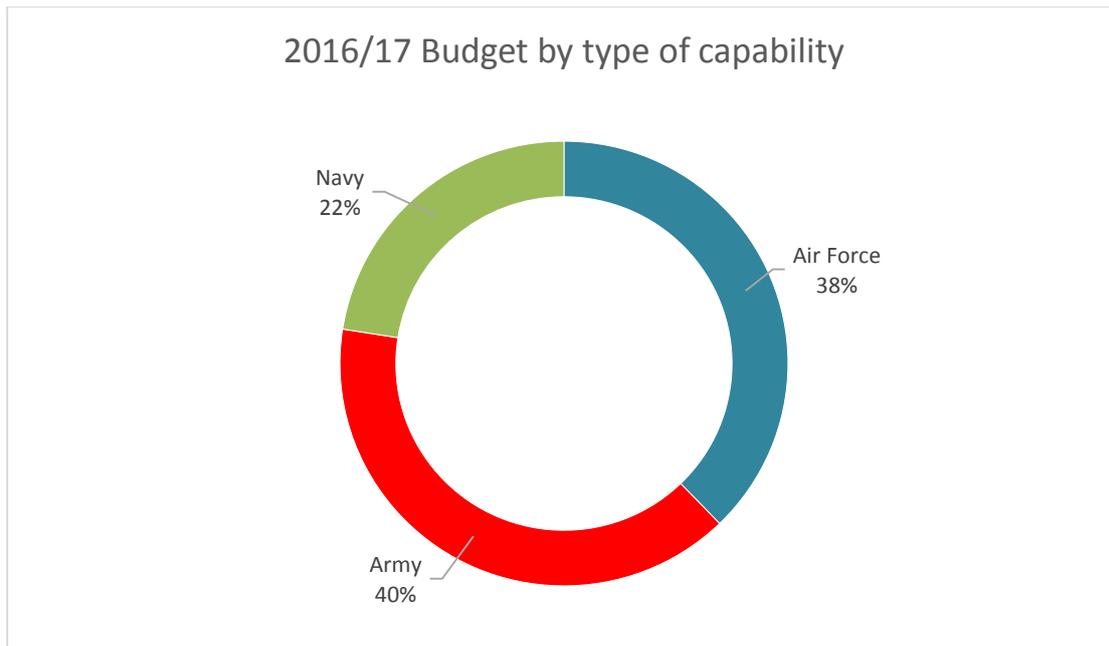
New Zealand Defence Force has the largest Search and Rescue responsibility worldwide, for over 30 million km<sup>2</sup> (about 12.5% of the world's total surface), and 15,134 of coast line.

Moreover, the country has a history of contributing to international efforts to resolve conflict. The NZDF is a valued international coalition partner, committed to peace and security, and regularly works alongside international allies on operations and exercises throughout the world. Currently (at the end of 2016) there are NZDF personnel deployed on 14 operations and UN missions across ten countries, including:

- Afghanistan (8 personnel)
- Antarctica (8 personnel)
- Iraq (106 personnel)
- Middle East (8 personnel)
- Sinai (26 personnel)
- South Korea (5 personnel)
- South Sudan (3 personnel)
- United Arab Emirates (11 personnel)

At any time there are many other Defence Force personnel on other overseas activities and exercises.

The total Defence Budget allocated for the 2016/17 financial year, is about NZ \$3.28 billion. Of this amount, about NZ \$2,038 million will be invested in Air Force, Army, and Navy capabilities (to enable Joint Operations and other tasks), (see chart below).



Source: <http://www.budget.govt.nz/budget/pdfs/estimates/v4/est16-v4-deffor.pdf>

Also, about NZ \$495 million will be allocated to Multi-Category Appropriations (MCA) for Advice to the Government, Operations Contributing to New Zealand's Security, Stability and Interests, and the Protection of New Zealand and New Zealanders, and about NZ \$747 million will be directed, as departmental capital expenditure, to the purchase or development of assets for use by the NZDF.

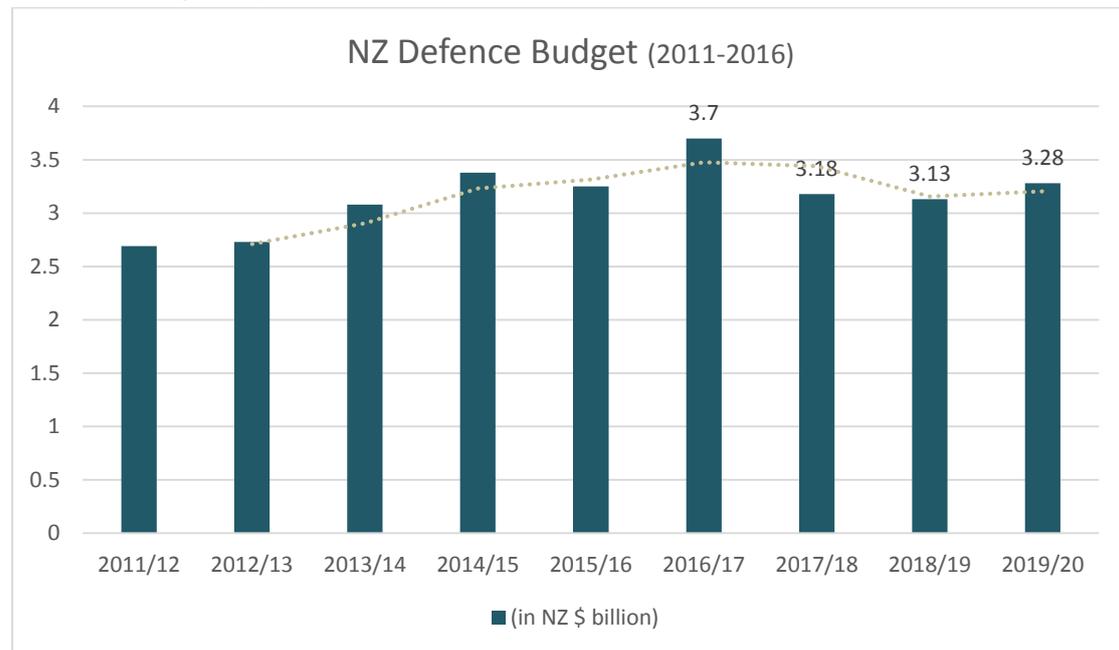
According to the New Zealand's 2016 Defence White Paper, a NZ \$20 billion defence programme of capital investment has been planned to take place, over the next 15 years. Through this plan, New Zealand government's is committed towards the modernisation and increased responsiveness of the Defence Force, while increases in personnel, investment in major capabilities and infrastructure have been planned up to 2030; these will allow the NZDF to successfully undertake domestic, regional and international security tasks.

Moreover, as planned in the 2016 National Budget, under additional investments within the timeframe of financial years 2016 to 2020, NZ \$179 million will be allocated to the country's intelligence agencies, so as to continue to provide associated services and NZ \$20 million for the establishment of a new national Computer Emergency Response Team, able to combat cyber-attacks and cyber-crime.

Overall, despite some fluctuations, in recent years the Defence Budget has followed an upwards trend, up to now (FY 2016/17). Budget will be reduced slightly in the next few years, as has been planned (see chart below).

An additional NZ \$ 482 million for Defence & Security purposes have been planned, of which some NZ \$ 300.9 million specifically for the NZDF (NZ \$31.8 million in 2016/17, and NZ \$89.7 million in each of the following three years). Further under this additional investment, the Ministry of Civil Defence and Emergency Management (MCDEM), is to be allocated some NZ

\$6.2 million of operating and capital funding, towards the better preparedness and associated response, in case of natural disasters.



Source: <https://www.parliament.nz/>

As a consequence to the aforementioned, the Government has foreseen annual increases in the Defence Force operating and capital budgets, raising the relevant spending to about 1% of the GDP on average, up to 2030.

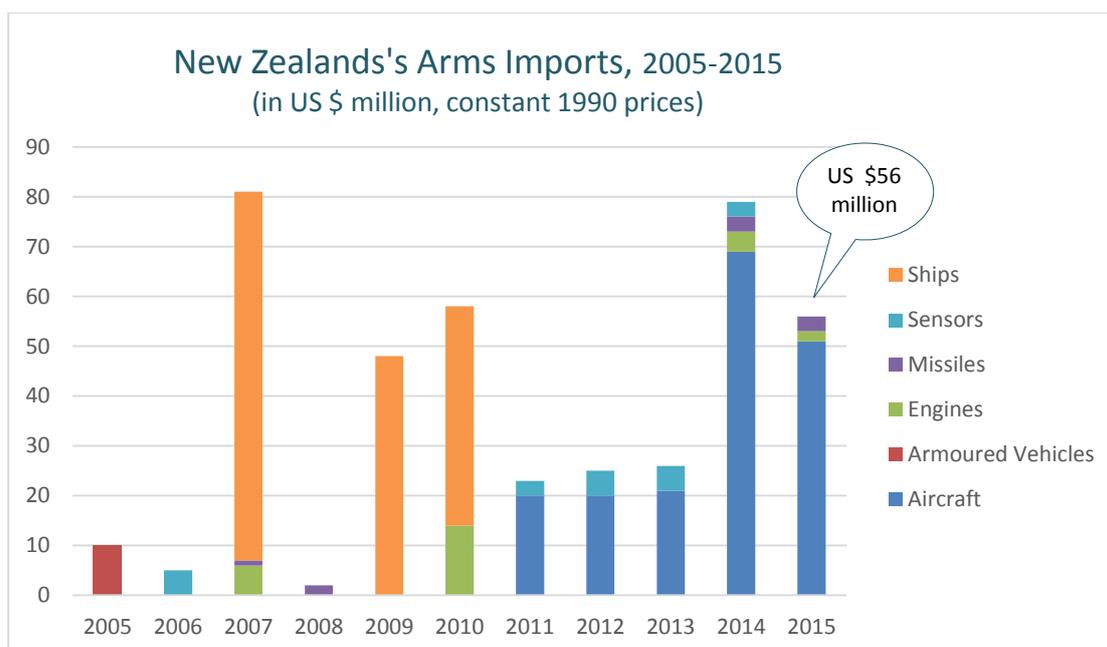
In 2018, Defence will undertake a review to ensure the affordability of the total investment as part of the Defence White Paper, and make any appropriate revisions up to 2035.

According to the 2016 Defence Capability Plan of New Zealand, investments spanning from personnel and logistics, up to ICT infrastructure and capabilities have been planned. Through this Plan, new capabilities' investments have been confirmed, related to five areas, namely:

- Antarctic and Southern Ocean Operations
- Air Surveillance
- Littoral Operations
- Cyber Protection and Support
- Intelligence Support

A significant investment of \$1.7 billion (from the aforementioned \$20 billion) will be allocated towards the modernisation of the Defence Estate.

During the last decade, New Zealand imported US \$413 million of military equipment. This mainly consisted of Ships and Aircraft.



Chart

Source: <http://armstrade.sipri.org/armstrade/page/values.php>

The main providers of Arms imported by New Zealand, were the US, Australia, the Netherlands and France.

It should be stressed here that New Zealand has realised as a consequence of previous experiences, the importance of mitigating risks, inherent in new technologies' early development work; therefore, in order to minimise high risk procurements and reduce unit costs, New Zealand's Defence Force has focused on the acquisition of MOTS (Military Off The Shelf) and COTS (Commercial Off The Shelf) products, while avoiding at the same time the early adoption of new technologies.

The government's decisions in terms of major defence expenditure, are based to a great extent on the identification of the dependencies between individual investments. As for this, Defence has recently adopted a 'portfolio management approach' and has developed a 'whole life costing methodology', for long term planning and individual capability initiatives. In addition, in order to meet the New Zealand's Defence Force requirements, close collaboration of the local defence industry with the Defence Procurement agency, is essential.

Moreover, realising its position as a 'small' customer in the Military market, it is imperative for New Zealand to shift the timing of funding, to meet acquisition opportunities at the moment they are presented. Indicative of the aimed 'agility' in such procurements, is the successful –due to the rapid approval process followed- acquisition of 194 Rheinmetall MAN Medium and Heavy Operational vehicles in 2013, benefiting from the economies of scale of the large UK purchase at that time.

The value of military capability projects that are underway, or planned until 2030, accounts for NZ \$20 billion (about €13.2 billion), as mentioned previously. Of this amount, some NZ

\$15million are to be spent on the procurement and the whole-of-life costs of military equipment.

Some major capability programs planned or already underway by the NZDF, include:

Project	Contract	Date of award and expected completion	Budget	Contractor
<b>LAND FORCES</b>				
<b>Network Enabled Army (NEA) – Tranche One</b>	Modernise tactical command and control (C2) systems, together with supporting computers, communications and intelligence, surveillance and reconnaissance (C4ISR) networks	April 2013 – July 2018	N/A	N/A
<b>Special operations vehicles (SOV)</b>	Replacement of the existing Pinzgauer special operations vehicles with four different types vehicles	September 2016 - unknown	NZ \$28 million	Supacat – supply of the High Mobility Transporter (HMT) vehicle
		Other contracts to be awarded		Other contractors to be determined
<b>Individual weapons replacement</b>	To replace the NZDF Steyr rifle with a new individual soldier weapon.	December 2015 - unknown	N/A	Lewis Machine & Tools Company Inc.
				Trijicon Incorporated USA
				Quality Imports Limited New Zealand
<b>Medium-heavy operational vehicles (MHOV)</b>	Replacement of the aging medium & heavy operational vehicle fleet with 200 new vehicles	2013 - completed	NZ \$135 million	Rheinmetall MAN Military Vehicles (Australia)
<b>Protected mobility</b>	Providing the NZDF with a protected land mobility capability	Not started - TBD	N/A	N/A
<b>Strategic bearer network (SBN) – wideband global satellite communications (WGS)</b>	Purchasing Wideband Global Satellite (WGS) communications equipment for long-haul communications needs.	December 2011 - unknown	N/A	Gigaset Asia Pacific (GAP)
				Rockwell Collins Australia
<b>NAVY</b>				
<b>Maritime sustainability capability</b>	Replacement of HMNZS Endeavour with a ship to maintain an afloat replenishment capacity (sustains maritime/air/land forces with fuel, fresh water, ammunition etc.	July 2016 - unknown	NZ \$493 million	Hyundai Heavy Industries (HHI), South Korea – prime contractor
<b>ANZAC ships upgrade frigate systems upgrade (FSU)</b>	Designing and supplying of the Combat Management System, supply and integration of various sensors, missile system and a Combat System Trainer	2014 - last quarter of 2019	NZ \$446 million (2014)	Lockheed Martin Canada (LMC)
				MBDA (UK)
				Thales Australia Ltd
				Airborne Systems Limited
				Ultra Electronics Limited
				Northrop Grumman
<b>ANZAC ships upgrade platform systems upgrade (PSU)</b>	Upgrade of the platform systems on the ANZAC frigates, as far as heating, ventilation, air- conditioning, control, monitoring and propulsion systems, overall weight and stability management	November 2007 – December 2016	NZ \$57.6 million (excl. GST)	ThyssenKrupp Marine Systems Australia (TKMSA)
				Australian Marine Technologies PTY Ltd (AMT)
				Noske-Kaeser New Zealand Limited - HVAC

				Siemens NZ
				L3 Mapps
				MTU Detroit Diesel Australia (MTUDDA)
<b>Littoral operation support capability (LOSC)</b>	Acquisition of a vessel to support military hydrography, diving operations, mine countermeasures and advanced force operations requirements in low to medium threat environments.	July 2016 - unknown	TBD	N/A
<b>Maritime sustainability capability</b>	Replacement of the HMNZS Endeavour with a ship that will maintain an afloat replenishment capacity	July 2016 - unknown	NZ \$493 million	Hyundai Heavy Industries (HHI)
<b>Protector remediation</b>	To correct some capability shortfalls and deficiencies in the 7 vessels delivered under the Protector project.	July 2010 - December 2016	NZ \$84.6 million	BAE SYSTEMS Australia
<b>AIR FORCE</b>				
<b>C-130 life extension (of 5 aircraft)</b>	Replacement of mechanical, avionic and structural components, and design, as well as installation of flight deck communications and navigation equipment	2004 - by the end 2016	NZ \$257 million (excl. GST)	L-3 Communications Spar Aerospace (Canada) + L-3IS (Texas)
				Aviation Labour Group
				Safe Air
<b>Future air mobility capability</b>	Acquisitions in order to maintain air mobility capability beyond the retirement of the C-130 and B757-200	February 2021 – February 2026	N/A	N/A
<b>Future air surveillance capability</b>	To ensure the maintenance of a continuous, capable and relevant air surveillance capability	Mid 2025 - unknown	N/A	N/A
<b>Maritime helicopter replacement project (MHCP)</b>	Providing an upgraded fleet of naval helicopters	April 2013 - completed	NZ \$242.2 million (excl. GST)	Kaman Aerospace
<b>P-3K Orion mission systems upgrade</b>	Upgrading the mission, communication and navigation systems of the P-3 Orion aircraft	September 2004 – August 2014	NZ \$352 million (excl. GST)	N/A
<b>Pilot training capability</b>	Supply of 11 aircraft, two simulators and a training package	January 2014 – April 2016	NZ \$167 million	Beechcraft Defense Company LLC
<b>Replacement helicopter capability: NH90 medium utility helicopter</b>	Medium utility helicopter capability for the next 30 years	July 2006 – October 2016	NZ \$771.7 million (excl. GST)	NATO Helicopter Industries (NHI)
<b>Replacement helicopter capability: training/light utility helicopter</b>	Providing a training and light utility helicopter capability	2007 - completed	NZ \$139.3 million	AgustaWestland
<b>Underwater intelligence surveillance and reconnaissance</b>	Replacement of the underwater intelligence, surveillance and reconnaissance systems to the P-3 Orion aircraft	July 2016 - unknown	NZ \$36 million	Boeing Corporation
				Safe Air Ltd
				Beca Applied Technologies
				Marops
<b>JOINT FORCES</b>				
<b>Defence command and control system</b>	Implementation of modern command and control tool	September 2008 – by December 2017	NZ \$22.8 million	N/A

Source: <http://www.defence.govt.nz/what-we-do/delivering-defence-capability/defence-capability-projects/?CapabilityTypeID=&CapabilityServiceID=&s=>

*New Zealand: Defence Industry*



**NZ Defence Industry Association**

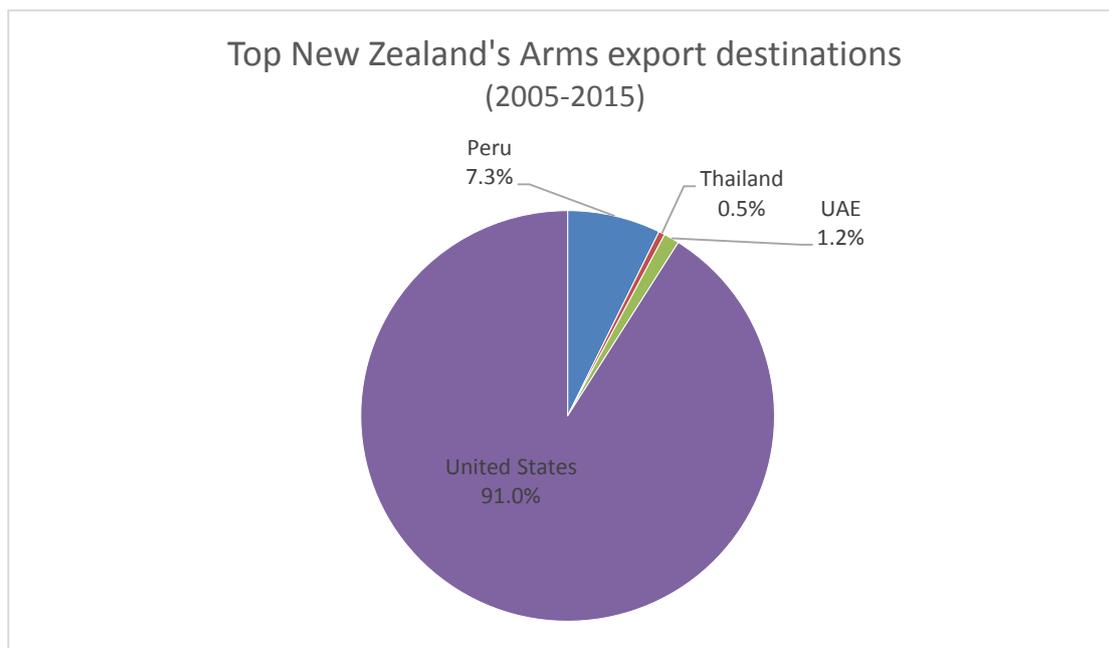
According to the New Zealand's Defence Industry Association

(NZDIA), it is estimated that the local defence industry provides some 2,500 jobs and NZ \$125 million in wages, while it generates some NZ \$60 million in profits, to the benefit of New Zealand's economy. Among the 100 NZDIA member companies, are Callaghan Innovation, Babcock, SafeAir, Brunton Engineering, BECA, Datacom Systems, Fuji Xerox NZ, Fulton Hogan, Mainfreight International New Zealand, Rheinmetall, McKay Electrical, Lockheed Martin, Rolls-Royce Holdings, SAAB NZ, and multiple Small to Medium Enterprises (SMEs).

Local Defence Industry members are realistic, and understand that for major capital acquisitions, the NZDF will need to source the associated materiel from abroad. Nevertheless, opportunities for local defence suppliers in such cases lie in whole of life support and local presence/representation of the related international prime contractors.

The New Zealand Defence Industry currently supports the NZDF with smaller value items and services, such as Uniforms, Maintenance, Repair, Overhaul (MRO), Logistics, Training and Advisory Services and Technology, while it is part of the global supply chain for specific parts and components.

New Zealand cannot be considered a major exporter of defence materiel, since its relevant exports in the last decade (2005-2015), amounted to a mere US \$83 million. These exports included only Aircraft and Engines related items and services and were directed to the US (91%), Peru (7.3%), the UAE (1.2%) and Thailand (less than 1%) (see chart below).



Source: <http://armstrade.sipri.org/armstrade/page/values.php>

In order to better tackle the NZDF requirements, the government has realised the importance of reinforcing the indigenous Defence Industry. Therefore, as part of associated initiatives, the government in collaboration with the Defence Force has developed a framework to promote early engagement with local organisations and companies (the “Defence Industry Engagement Strategy”), aimed at the reduction of total costs of asset ownership.

In addition, the increased level of detail in the 2016 Capability Plan, including provisional estimates of cost and schedule for major projects, aims to ensure that the local industry will be fully informed, early on, about new opportunities, while ensuring transparency and ease of doing business. Finally, in order to aid in practice the realisation of the above, the NZDF has developed and adopted simplified and standardised Defence procurement documentation, as well as associated online tools and feedback mechanisms. All these, will allow the nation’s government to maximise the value for money of associated procurements, expand related domestic capabilities, while promoting efficiency, coherency and timing schedules adherence.

Given the major capital acquisitions that New Zealand has planned (according to the 2016 Capability Plan) for the next few years, opportunities for the whole life support of related assets have already been revealed, while local presence of international prime contractors is expected to be further strengthened.

Moreover, it should be noted that in the next 5 years (up to 2020), 104 projects are anticipated to offered for tendering, while NZDIA members will be interested in engaging also with the local construction industry, under the NZ \$1.7 billion provided for associated buildings, infrastructure and facilities. Through the above, opportunities may appear for the New Zealand’s Defence Industry; therefore, the country’s Defence Industry, could anticipate itself as a notable defence market player, rather than just a supporter of capable suppliers.

## Epicos "Industrial Cooperation and Offset Projects"



Epicos "Industrial Cooperation and Offset Projects" provides a unique set of online tools enabling the structure, identification and implementation of comprehensive Offsets programs, through a searchable database. By introducing different offset projects and ideas proposed by local A&D industry it ensures the optimum cost for Prime Contractors and reassures that the priorities of local industry are fully met...

[For Further Information Press Here](#)

### Development of a customized ISR / UAV training program



A company offering a complete range of high-end training systems for Intelligence, Surveillance & Reconnaissance (ISR) and Unmanned Aerial Vehicles (UAV) users, is offering to create a customized ISR/UAV training program. The training program could be used to train users of new or existing ISR/UAV equipment, in a third country, as part of a direct or indirect offset program.

[For Further Information Contact our ICO Department](#)

Mail at: [a-kintis@epicos.com](mailto:a-kintis@epicos.com)

### Training a mobile Unit for aircraft Non-Destructive Testing



A company specializing in the sales and servicing of non-destructive testing (NDT) apparatuses, equipment and materials, as well as training in material testing, in the frame of an offset program, is proposing collaboration with a prime contractor or a third party company, active within the NDT market, in order to receive Transfer of Technology, in the form of training for the establishment of an emergency mobile NDT unit, serving commercial and/or general aviation aircraft at neighbouring airports.

[For Further Information Contact our ICO Department](#)

Mail at: [a-kintis@epicos.com](mailto:a-kintis@epicos.com)

## News from our A&D Business Network

### Harris Corporation to Provide Taiwan with Advanced Air Traffic Management Communication System



Harris Corporation has been selected to supply a next-generation, VoIP communication system to support Taiwan's military air defense system. The announcement was made during World ATM Congress being held March 7-9 at the IFEMA Feria de Madrid. Harris will provide Taiwan with its IP-based Voice Communication System for the 21st Century (VCS21). The system modernizes the air defense system by delivering net-centric voice communications that reduce dependency on traditional point-to-point communications, while supporting an efficient transition to IP-based communications. It will be installed at multiple facilities throughout Taiwan and initially include 140 controller working positions that can access radio and telephony sites across the region.

"The Harris VCS21 system now supports air defense operations in Asia along with ATM operations in Europe and North America," said Ed Zoiss, president, Harris Electronic Systems. "Harris VCS21 will be a key enabler for countries seeking to modernize and grow their networks to address the worldwide increase in air traffic."

For Further Information [Click Here](#)

### Multimillion-dollar order from America



Rheinmetall has just booked an order from the US Air Force to supply ammunition for the F-35 stealth multirole fighter. The contract, worth over US\$6.5 million (6.2 € million), encompasses the supply of several ten thousand rounds in four lots. Delivery starts in December 2017. The order is of major strategic significance to Rheinmetall for two reasons. For one thing, the US Air Force is currently procuring the F-35 on a large scale, with 1,200 planes on order.

Numerous other nations have opted for the new aircraft as well, among them Denmark, the United Kingdom, Italy, Canada, the Netherlands, Turkey and Japan. For another, the ammunition selected – the new 25mm x 137 Frangible Armour Piercing (FAP) – complements Rheinmetall's existing array of high-performance aircraft ammunition, allowing the Düsseldorf, Germany-based Group to bring its full expertise to bear in the field of aircraft armament. This means that further major orders can be expected, especially since the first user nations are already ordering smaller amounts of this advanced ammunition for testing purposes.

The FAP round was specifically developed by Rheinmetall for, and in conjunction with, NATO air forces to provide the F-35 with superior lethality against modern Infantry Fighting Vehicles (IFVs) at extreme slant ranges while still remaining deadly against enemy aircraft in air-to-air engagements. The 25mm x 137 FAP is a true all-purpose cartridge that is already in service with the F-35s of two NATO nations.

Manufacture of the ammunition for the US Air Force will take place at Rheinmetall Switzerland. Rheinmetall intends to have the ammunition of possible follow-up contracts assembled in the USA by Rheinmetall Day & Zimmermann Munitions (RDZM), a joint venture that operates out of Rosslyn, Virginia. American Rheinmetall Munitions and Day & Zimmermann established the joint venture in autumn 2016. Other potential customers will be supplied from locations belonging to Rheinmetall Waffe Munition Schweiz AG.

For Further Information [Click Here](#)



## Defence Industry Minister Opens Austal's New Pacific Patrol Boat Replacement Shipbuilding Facility

Austal has welcomed Australian Defence Industry Minister The Hon. Christopher Pyne MP to officially open the company's new Pacific Patrol Boat Replacement (PPB-R) Shipbuilding Facility in Naval Base, Western Australia and herald the commencement of Austal's steel naval shipbuilding capability.

Minister Pyne cut the red ribbon at the 10,500m<sup>2</sup> facility in front of key defence industry stakeholders, suppliers and partners from across Australia.

Speaking at the official opening, Austal Chief Executive Officer David Singleton said the PPB-R project is estimated to create up to 207 jobs across production, project management, services and support - from Perth Western Australia to Cairns in Queensland.

"The PPB-R project is the first key element in the Federal Government's Continuous Naval Shipbuilding Plan and Austal is proud to be leading the way by growing Australia's shipbuilding capability," he said.

"It is worthy of note that this facility was originally built to service the mining boom and it has now been transformed to support what I anticipate to be a shipbuilding boom here in WA." Austal was awarded the A\$306 million PPB-R contract in May 2016 and recently completed the Detailed Design Review (DDR), on schedule.

The PPB-R Project comprises the design, construction, delivery, training and sustainment of nineteen 39.5 metre Patrol Boats - to be gifted by the Commonwealth of Australia to twelve Pacific Island nations as part of Australia's Pacific Maritime Security Program.

Construction of the Austal design will commence at Austal's dedicated new PPB-R shipbuilding facility from late April 2017, with deliveries scheduled from 2018 to 2023. Sustainment of the new fleet of vessels will be carried out by Austal from facilities in Cairns, Queensland.

Austal is positioned to play a key role in the delivery of the Commonwealth's continuous naval shipbuilding strategy, as the only ASX-listed Australian shipbuilder and Defence prime contractor currently delivering multiple naval vessel programs for Australian and overseas customers, including the Royal Australian Navy and US Navy. Minister Pyne was joined by Senator Linda Reynolds CSC and Western Australia Attorney General and Minister for Commerce, The Hon. Michael Mischin MLC.

For Further Information [Click Here](#)

**Source:** Epicos, Austal

## Vector Aerospace certified by GE Aviation as Authorized Service Provider for T700 Turboshaft Engines

Vector Aerospace Corporation ([www.vectoraerospace.com](http://www.vectoraerospace.com)), a global independent provider of aviation maintenance, repair and overhaul (MRO) services, announced today its appointment by GE Aviation as an Authorized Maintenance, Repair and Overhaul Provider for GE T700 Engines. This approval extends Vector's 18-year association with GE on the T700 family, which is supported from Vector's Helicopter Services – North America facility in Richmond, BC, Canada.

This latest authorization adds to Vector's existing GE license for repair and overhaul of the T700, as well as its U.S. Army and U.S. Navy source approvals for the engine. As such, foreign and domestic military operators can be assured that Vector is fully qualified to provide reliable, value-oriented depot maintenance, repair and overhaul support for their T700 engine fleets.

"We are proud to be the first GE T700 shop to be granted the next level of recognition as an Authorized Service Provider for GE T700 Engines," said Paul Cockell, President of Vector Aerospace Helicopter Services – North America. "We look forward to providing our high level of expertise under this new certification to T700 customers across the globe."

Vector Aerospace has been an overhaul facility for the GE T58 and CT58 engine family since 1976, and has been licensed to provide MRO services on the T700 and CT7 since 1999, supporting military, governmental and civilian operators across the globe. To date, GE has delivered over 20,000 T700/CT7 engines, with the global fleet logging in excess of 100 million flight hours.

Vector's close relationship with GE Aviation extends to repair support of the T700/T6A1 turboshaft powering the Royal Canadian Air Force's (RCAF) CH-149 Cormorant search and rescue (SAR) helicopter fleet, as well as assembly, inspection and test (AIT) of the CT7-8A7 engines powering the RCAF's new Sikorsky CH-148 Cyclone shipborne maritime helicopters. Vector has been the sole repair and overhaul provider for the CH-149's powerplant since its introduction, having now completed the first fleet-wide campaign of T700/T6A1 life limited part (LLP) replacements, as well as providing on-condition repairs for the engine.

For Further Information [Click Here](#)

**Source:** Epicos, Vector Aerospace Corporation

### SAAB to Supply Wide Area Multilateration Systems to NATS in the UK

Defence and security company Saab has been selected to supply NATS, the United Kingdom's leading provider of air traffic control services, with Wide Area Multilateration (WAM) equipment at two key sites in the UK.

Saab will be providing two WAM systems, the first will provide coverage of the East Shetland Basin oil fields and the main helicopter routes between Sumburgh Airport and the oil fields, and the second system will cover an area east of the windfarm being built offshore of Aberdeen.

Saab multilateration uses multiple low-maintenance, non-rotating sensors to identify aircraft locations based on transponder signals in order to provide air traffic controllers with precise aircraft position and identification information in all weather conditions. With a higher update rate and greater positional accuracy than traditional radar, Saab's multilateration enables safer and more efficient use of airspace.

"The Aberdeen and East Shetland Basin WAM projects will be our twelfth and thirteenth installations in the UK with NATS. ANSPs, such as NATS, have recognized WAM as a cost-effective, long-term surveillance solution for traditional secondary radar applications," says Mike Gerry head of business unit Air Traffic Management within Saab business area Surveillance.

Saab ATM's expertise spans surveillance sensors, ATC automation, collaborative decision making, and digital towers. Saab's solutions are trusted by air navigation service providers, airports and airlines across six continents and in more than 100 locations across 45 countries. As a global leading partner and complete provider of proven ATM solutions, Saab transforms operations, turning innovative ideas into reality and supporting stakeholders from solution conception through to long-term support.

For Further Information [Click Here](#)

**Source:** Epicos, SAAB

## Leonardo Is Growing in the USA with the Acquisition of Daylight Solutions

Leonardo, through the US subsidiary Leonardo DRS, has signed a definitive agreement to purchase Daylight Solutions, Inc., a leading developer and supplier of quantum cascade laser products and technology.

Mauro Moretti Leonardo CEO and General Manager declared: "Acquisition of Daylight Solutions is a first significant step forward towards the objectives of growth and development of the Industrial Plan 2017-2021. This acquisition will allow Leonardo DRS to extend the range of advanced solutions to civil and military customers around the world, integrating the Daylight Solutions laser technology in the core business of electro-optical and infrared sensors and systems."

Both Leonardo DRS and Daylight Solutions are leaders in infrared research and product development. The integration of laser and sensor systems developed by the two companies can be used in a variety of dual-use applications, including aircraft survivability products and medical and industrial applications, including imaging for cancer diagnostics and chemical detection. Bill Lynn, CEO of Leonardo DRS said: "With this acquisition, Leonardo DRS reinforces its commitment to remain at the forefront of infrared technology to not only protect our men and women in uniform but also to perform critical tasks across a range of industries, including medical and industrial applications."

Daylight Solutions is expected to grow significantly in the coming years, thanks to the rollout of new U.S. military aircraft survivability systems, where Daylight Solutions has secured significant roles. Daylight's Scientific Instrumentation business segment is at the forefront of introducing new diagnostic and analytical tools for medical research and treatment, which build on the commercial utilization of its core quantum cascade laser products. Leonardo DRS will pay US\$150 million for 100% of the equity of Daylight Solutions, valuing the company at approximately 9x EV/EBITDA 2017E. The purchase price includes an earn-out, to be released to Daylight Solutions shareholders upon achievement of certain financial and operating targets for the year 2017. Following the closing of the transaction, Daylight Solutions will be one of eight Leonardo DRS lines of business. Both Daylight Solutions co-founders, Timothy Day and Paul Larson, will remain with Leonardo DRS.

"The mission of Daylight Solutions, „To Protect with Light,“ will be more fully realized with the combined strength of the people and resources of Leonardo DRS and will enhance our proven ability to transition technology into compelling products for a range of customers and industries. We remain committed to continuing the growth of both our Defense and Instrumentation business for a range of customers and industries," Day said.

For Further Information [Click Here](#)

**Source:** Epicos, Leonardo

## Huntington Ingalls Industries' Technical Solutions Division Awarded Contract from the Joint Program Executive Office for Chemical and Biological Defense

Huntington Ingalls Industries announced today that its Technical Solutions division was recently awarded a contract by the Joint Program Executive Office for Chemical and Biological Defense (JPEO-CBD) to provide acquisition technical services. Technical Solutions was established in December 2016 when HII acquired Camber Corp., a government services company headquartered in Huntsville, Alabama, and combined it with HII's non-shipbuilding subsidiaries.

Technical Solutions was awarded four task orders on JPEO-CBD's indefinite-delivery, indefinite-quantity Omnibus Program, Engineering and Technical Support (OPETS) requirement. The task orders provide continuing acquisition technical services in the Engineering and Technical (E&T) Domain, with a period of performance of February 2017 through February 2019. The work will be accomplished by Technical Solutions' Integrated Mission Solutions Group.

The JPEO-CBD is a leading Department of Defense enterprise with a global mission of providing research, development, acquisition, fielding and life-cycle support of chemical, biological, radiological and nuclear (CBRN) defense equipment and medical countermeasure capabilities for the U.S. Army, Marine Corps, Air Force, Navy and combatant commands supporting national strategies. Technical Solutions' Integrated Mission Solutions Group is committed as a key JPEO-CBD partner providing acquisition, logistics, information technology and technical support services.

For Further Information [Click Here](#)

**Source:** Epicos, Huntington Ingalls