



News from the Boeing world



May 2012



Boeing Australia & South Pacific



Prime Minister addresses Boeing-sponsored national security event

Australian Prime Minister Julia Gillard chose the Boeing-sponsored Australian Strategic Policy Institute national security address in Canberra to reaffirm Australia's commitment to the Afghanistan campaign and outline government's transition strategy.

Ms Gillard said Australian defence forces would continue to play a role in Afghanistan beyond 2014.

"There may be a continuing role to train the Afghan National Security Force to conduct – and to work alongside them in carrying out – counter-terrorism operations in Afghanistan."

First 747-8 Intercontinental delivered

Boeing has delivered the first 747-8 Intercontinental passenger airliner to Lufthansa, beginning a new era for the world's most recognised aircraft.

"Lufthansa and Boeing have a long and proud history of working together to bring new innovations to the airline industry," said Jim Albaugh, president and CEO of Boeing Commercial Airplanes.

"We are grateful for Lufthansa's inspiration and leadership in helping us design a new Queen of the Skies for the 21st Century, and I'm proud of what Boeing employees have accomplished by bringing this great aircraft to Lufthansa and the world."

Brisbane-based Ferra Engineering is Boeing International Supplier of the Year

Ferra Engineering was one of 14 companies and two academic institutions recognised through the Boeing Supplier of the Year awards for exceptional performance and contributions to the company's overall success during 2011.

The Brisbane-based aerospace component manufacturer was named International Supplier of the Year, and was one of only two award recipients outside of the United States. Ferra Engineering supplies components to Boeing commercial and defence programs, including production of F/A-18 Super Hornet rudder pedal kits.

Mark Scherrer, managing director of Ferra Engineering, was in Chicago to accept the award on behalf of his team.

"This is one of the most prestigious awards in the industry and Ferra and its staff are obviously very honoured to receive this award," Scherrer said.

Ferra Engineering was selected from a pool of more than 17,500 Boeing suppliers in 50 countries worldwide for excelling in the areas of quality, on-time delivery, post-delivery support, cost and demonstrated ability to anticipate and respond to changing requirements.

Minister for Defence Materiel Jason Clare congratulated Ferra Engineering on winning the supplier award.

"This is an outstanding achievement. This is a testament to the capability of the Australian Defence industry – especially our small and medium sized businesses like Ferra," Clare said.

Ferra Engineering is part of the Australian Government's Global Supply Chain Program which facilitates opportunities for Australian industry to gain access to export markets with international defence primes.

Continued page 2



Mark Scherrer, Ferra Engineering managing director (centre) accepts the Boeing International Supplier of the Year award at a ceremony in Chicago on 18 April.

Williamstown defence facility gains ISO 14001 environmental credentials

Boeing Defence Australia's (BDA) environmental credentials were strengthened last month when its Williamstown facility became the second site to achieve ISO 14001 certification within the past 12 months.

The ISO standard helps organisations protect the environment and prevent pollution. It specifies a process for the control and continuous improvement of an organisation's environmental performance through an Environment Management System.

BDA achieved ISO 14001 certification for its facility at Royal Australian Air Force Base Williamstown, east of Newcastle, following a rigorous three-day audit.

One of Australia's largest Boeing sites, BDA Williamstown supports the Australian Defence Force's F/A 18 – Hornet Upgrade Program Phase 2.3 and is home to the Airborne Early Warning & Control Wedgetail In-Service Support program.

The latest site certification further demonstrates BDA's ability to operate effectively while still respecting and protecting the environment.

"Certifying this particular site was not an insignificant undertaking," said Allanagh Rivers, BDA environment manager. "Completing an environmental audit within three days is a great outcome.

"Achieving certification is evidence that we are environmentally conscious as a business. With growing public and stakeholder awareness about sustainability and environmental reporting, the business acknowledges its responsibility to remain transparent about how it manages or mitigates environmental impacts," Rivers said.

The next site to be audited this year will be Oakey, the home of BDA's Army Aviation Training and Training Support operations.

Australia orders a sixth C-17 for fleet



The fifth RAAF C-17 flies away after handover in the US on September 14, 2011. During the arrival ceremony in Australia, the government announced its intent to procure a sixth C-17 airlifter.

Minister for Defence Stephen Smith and Minister for Defence Materiel Jason Clare announced in April that Australia will purchase a 6th C-17 Globemaster heavy-lift aircraft through the United States Foreign Military Sales program.

Minister Smith said the acquisition will double the number of aircraft available for operations at any one time from two to four.

"A sixth C-17 will give the Government increased options to support a wider range of contingencies that might require heavy-lift aircraft and will extend the life of the C-17 fleet by reducing the use of each aircraft," Minister Smith said.

"In addition to a busy schedule supporting the men and women of the Australian Defence Force, Australia's existing fleet of five C-17s has supported vital humanitarian missions around the globe and has consistently been among the first responders to worldwide disasters," said Bill Profflet, Boeing Defense, Space & Security director of International Business Development for Australia.

"The presence of Australia's C-17 aircraft at hot spots around the world demonstrates Australia's role as a valued ally and global partner. The outstanding partnership with the customer, the US Air Force and the Boeing team to expedite delivery of Australia's fifth C-17 had a direct

and positive impact on this opportunity."

The acquisition of the fifth C-17 was announced by the Australian Government in March 2011 and the aircraft arrived in Australia in September 2011.

The C-17 aircraft can lift very large and heavy cargoes over long distances providing a significant contribution to Australia's ability to reach and respond to events. One C-17 can carry up to four C-130 Hercules loads in a single lift and cover twice the distance in three-quarters of the time of a C-130.

Boeing anticipates delivery of the sixth Australian C-17 from the company's final assembly facility in Long Beach, California, later this year.

As a member of the worldwide C-17 "virtual fleet," RAAF C-17s are supported through the Boeing C-17 Globemaster III Integrated Sustainment Program, a performance-based logistics agreement. The arrangement provides the highest airlift mission capable rate at one of the lowest costs per flying hour.

Boeing has delivered 241 C-17s worldwide, including 216 to the US Air Force active duty, Guard and Reserve units. A total of 25 C-17s have been delivered to Australia, Canada, Qatar, the UAE, the UK and the 12-member Strategic Airlift Capability initiative of NATO and Partnership for Peace nations. India has 10 C-17s on order for delivery in 2013 and 2014.

Ferra Engineering takes supplier award

From page 1

Ferra Engineering has worked closely with Boeing's Office of Australian Industry Capability (OAIC) to ensure they remain competitive in the global aerospace industry.

"We've been working with Boeing very closely for several years and one of the key benefits for us is that Boeing really helped us to implement some of the Lean principles," Scherrer said. "They helped us to get the supply chain involved to actually do improvements not just within our company but right across our supply chain."

The OAIC is proving to be a highly successful partnership between Boeing and Australian industry, with some 240 requests for quotation released to Australian industry and more than US\$230 million in contracts awarded since November 2007.

The OAIC works primarily with export-ready small to medium Australian enterprises, providing training and mentoring, and identifying bid opportunities within Boeing and its international supply chain.

"It's great to see one of our Australian suppliers being recognised for the value they bring to the Boeing company and ultimately to our customers," said Joel Gray, Senior Manager Boeing International Strategic Partnerships.

A full list of the Supplier of the Year award winners is available on the Boeing website at <http://boeing.mediaroom.com/index.php?s=43&item=2227>



Ferra Engineering employees work on a range of components for Boeing's commercial and defence programs.

Revolutionary 737 MAX winglet design to deliver even greater value



Boeing has unveiled a new winglet design concept for the 737 MAX. The new Advanced Technology winglet will provide MAX customers with up to an additional 1.5 percent fuel-burn improvement, depending on range, on top of the 10-12 percent improvement already offered on the new-engine variant.

"The Advanced Technology winglet demonstrates Boeing's continued drive to improve fuel burn and the corresponding value to the customer. With this technology and others being built into the MAX, we will extend our leadership," said Jim Albaugh, president and CEO, Boeing Commercial Airplanes. "Incorporating this advanced technology into the 737 MAX design will give our customers even more advantage in today's volatile fuel price environment."

Compared to today's wingtip technology, which provides up to a 4 percent fuel-burn advantage at long ranges, the Advanced Technology winglet provides a total fuel-burn improvement of up to 5.5 percent on the same long routes.

"The concept is more efficient than any other wingtip device in the single-aisle market because the effective wing span increase is uniquely balanced between the upper and lower parts of the winglet," said Michael Teal, chief project engineer, 737 MAX.

Boeing aerodynamicists used advanced computational fluid dynamics to combine rake tip technology with a dual feather winglet concept into one advanced treatment for the wings of the 737 MAX. The Advanced Technology winglet fits within today's airport gate constraints while providing more effective span thereby reducing drag. Ongoing 737 MAX testing in the wind tunnel validated the new concept on the aircraft.

The new winglet is the latest in a number of design decisions reached for the 737 MAX, including aft body aerodynamic improvements, with the tail cone extended and the section above the elevator thickened to improve steadiness of air flow; engine installation improvements, with the new CFM International LEAP-1B engines integrated with the wing similar to the aerodynamic lines of the 787 Dreamliner engine with its wing; and flight control and system updates, with the inclusion of fly-by-wire spoilers.

Airlines operating the 737 MAX now will gain an 18 percent fuel-burn per-seat improvement over today's A320. Depending on the range of the mission, operators may realise even more savings.

To date, the 737 MAX has more than 1,000 orders and commitments from 16 customers worldwide.

South Carolina rolls out first 787

The first Boeing 787 Dreamliner to be assembled in South Carolina rolled out of final assembly in April, marking the first time that a Boeing commercial aircraft has been produced in the Southeastern United States.

“This is a proud moment for Boeing as we roll out an aircraft from our third final assembly site,” said Jim Albaugh, president and chief executive officer, Commercial Airplanes. “I welcome the South Carolina team into a small and elite fraternity – a fraternity of workers who have built one of the most complex machines in the world – a commercial aircraft.”

The aircraft will now undergo flight line and taxi testing before being delivered to Air India in mid-2012.

747-8 Freighter hits high marks

The new Boeing 747-8 Freighter reached six months in service in April, with the aircraft setting new standards of efficiency and performance – meeting or exceeding expectations in service reliability, fuel burn, and payload capacity.

The first 747-8 Freighters are operating even more economically than predicted and have exceeded dispatch reliability targets in the first six months of operation.

Boeing employees get their hands dirty to celebrate Earth Day 2012

Boeing employees celebrated Earth Day by volunteering on environment projects in Queensland and Victoria.

In Brisbane, employees from Boeing Defence Australia teamed with Boeing Global Corporate Citizenship partner Greening Australia to plant 1,200 trees in the flood-ravaged Lockyer Valley.

In Melbourne, Boeing Aerostructures Australia (BAA) employees helped the Friends of Westgate Park plant 410 trees in the park beside the organisation's Fishermans Bend facility.

“These Earth Day activities are a great way for our employees to get involved in local environmental projects and give something back to the community,” said BAA environment manager Mike Ramsay.



Above: Allannah Rivers, BDA environment manager, and Michael Paramor, Chief Executive of Greening Australia QLD, planting one of 1,200 trees.



Left: Rhonda Skinner (left), BDA Health & Safety Advisor, Christine Howland, BDA Environment Advisor, Allannah Rivers, BDA Environment Manager, Craig Deveney, Greening Australia Project Manager, and David Dawson, BDA Quality and Improvement Specialist planted trees in Queensland's flood-damaged Lockyer Valley.



Above: Ming Chen (left), Andy Latumahina and Ranuka abeysinghe participate in Earth Day activities in Melbourne.

Left: BAA employees Adrian Vandenberg and Dayna Boase supporting the Friends of Westgate Park with tree-planting.

Velocity

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