



News from the Boeing world

February 2011

Boeing Australia & South Pacific

## \$216,775 raised for flood support

Boeing employees throughout Australia, the United States and other countries have been deeply moved by the images of flood-devastated Queensland which ran on news channels around the world last month.

In a tangible show of support, Boeing and its employees have contributed US\$216,775 to the Queensland Premier's Disaster Relief Fund.

Boeing also provided a vital operational response to the flood emergency with employees deployed to support the Australian Defence Force flood response and recovery efforts.

Minister for Defence Materiel Jason Calre recognised the efforts of Boeing and its employees when he spoke at a defence conference in Canberra this month (see story on page 4).

Boeing-built RAAF C-17 Globemaster aircraft and Australian Army CH-47 Chinooks also played a critical role in the preparations for and response to the flooding in southern Queensland and to Cyclone Yasi in Far North Queensland.

Two RAAF C-17s were utilised to evacuate civilians from Cairns to Brisbane ahead of Cyclone Yasi. In the wake of the cyclone, C-17s transported Urban Search and Rescue teams and their equipment to Townsville and ferried 84 tonnes of groceries to northern Queensland.

The Army Aviation Corp also deployed three CH-47 Chinook's to Far North Queensland for Operation Yasi Assist in the wake of the cyclone.

## Boeing 747-8 Intercontinental premieres as newest, largest aircraft

More than 10,000 Boeing employees, airline customers, suppliers and government officials gathered at Boeing's factory in Everett Washington on February 14 to celebrate the unveiling of the new Boeing 747-8 Intercontinental.

The 747-8 Intercontinental is the company's newest high-capacity passenger aircraft, offering airlines the lowest operating costs and best economics of any large passenger jetliner while providing enhanced environmental performance.

Boeing Commercial Airplanes President and Chief Executive Officer Jim Albaugh said the newest 747 incorporates technological advancements that make it an extremely productive aircraft for customers.

"The new 747-8 Intercontinental features the latest in innovative technologies — applying many of the breakthroughs also found on the 787 Dreamliner," said Albaugh.

"We think our customers will value the low operating costs and passengers will enjoy the comfort of the striking new interior."

The 747-8 Intercontinental made its debut painted in a new Sunrise livery of red-orange that only will appear on the first 747-8 Intercontinental and is a significant departure from Boeing's standard blue. The new colour palette honours many key Boeing customers whose cultures recognise these colours as symbols of prosperity and good luck.

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Boeing's newest, largest aircraft, the 747-8 Intercontinental was unveiled before 10,000 people in Everett, Washington. Boeing photo.

## 1,000 flights for 787 Dreamliner

The Boeing 787 Dreamliner has made its 1,000th flight, marking another milestone in the flight test program.

There are seven aircraft participating in flight testing. The landing of 787 flight test airplane ZA004, at Yuma International Airport on February 23, counted as the official 1,000th flight. The program is near its 3,000th hour of flying and 787s have flown a total of more than one million miles.

"The team is making great progress," said Scott Fancher, vice president and general manager of the 787 program.

"We are getting through the test conditions needed to certify this aircraft with nearly 80 percent of the conditions for the first model, with Rolls-Royce engines, already complete. And, we're more than 60 percent of the way through the test conditions for the 787s with General Electric engines."

## Air New Zealand expands Boeing 777 Component Services Program

Air New Zealand will expand its use of the 777 Component Services Program (CSP), offered jointly by Boeing and Air France Industries KLM Engineering and Maintenance.

Air New Zealand has utilised the CSP on its 777-200ER (extended range) fleet and will now expand the support for common parts to cover its fleet of 777-300ERs.

"For the past four years the 777 Component Services Program has been highly successful on our 777-200ER fleet, so it is natural to expand it to include our new 777-300ERs," said Vanessa Stoddart, group general manager, Technical Operations and People, Air New Zealand.

The program allows airlines to outsource the cost and logistical challenge of keeping important parts on hand.

# Boeing debuts 747-8 Intercontinental



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"As the only aircraft in the 400 to 500-seat market, the 747-8 Intercontinental will give operators an aircraft perfectly suited for long, heavily travelled routes around the world," said Pat Shanahan, vice president and general manager, Airplane Programs, Boeing Commercial Airplanes. "The new 747-8 Intercontinental will set a new standard in economic and environmental performance, while providing a world-class passenger experience."

The 747-8 Intercontinental will have the lowest seat-mile cost of any large commercial jetliner, with 12 percent lower costs than its predecessor, the 747-400. The aircraft provides 16 percent better fuel economy, 16 percent less carbon emissions per passenger and generates a 30 percent smaller noise footprint than the 747-400.



The 747-8 Intercontinental features an interior (above) from the Boeing 787 Dreamliner and a new flight deck (below).



The 747-8 Intercontinental applies interior features from the 787 Dreamliner that includes a new curved, upswept architecture giving passengers a greater feeling of space and comfort, while adding more room for personal belongings.

Korean Air and VIP customers have joined launch customer Lufthansa in ordering a total of 33 747-8 Intercontinentals. First delivery of the 747-8 Intercontinental is scheduled for the fourth quarter.



Air New Zealand continues to show off its new Boeing 777-300ER, with a promotional visit to Wellington, NZ. The aircraft, delivered in December, is the first to be fitted with the airline's new interior, including the Sky Couch economy seat. Photo: Peter Clark

Boeing to highlight vital products and services at Avalon 2011 Airshow

The Boeing Company will highlight the products and services that the Australian Defence Force (ADF) depends upon every day during this year's Avalon 2011 Australian International Airshow.

The show begins March 1 at Avalon Airport near Melbourne and coincides with the 90th anniversary of the Royal Australian Air Force (RAAF).

"Boeing is committed to providing products and services that allow the ADF to carry out vital operations in-country and overseas," said Bill Profitet, Boeing Defense, Space & Security vice president, Australia Business Development.

"We're proud of our 85-year relationship with the RAAF and look forward to furthering this partnership for years to come."

Boeing products on display during the show include the RAAF's F/A-18F Super Hornet, F/A-18A Hornet, C-17 Globemaster III and 737 Wedgetail Airborne Early Warning & Control (AEW&C) aircraft and the Insitu ScanEagle unmanned aircraft system.

Boeing-manufactured aircraft displayed by other countries will include a U.S. Air Force KC-135 Stratotanker and C-17 Globemaster III, and a Royal New Zealand Air Force Boeing 757.

The Boeing-sponsored Afternoon Airshow and Night Light Finale on March 4 will feature the RAAF's new advanced, multirole Boeing F/A-18F Super Hornets.

## Boeing to build Next-Generation refueling tanker for U.S. Air Force



In this artist's conception, the Boeing KC-46A prepares to refuel a B-1 bomber in flight. Boeing image.

The Boeing Company has received a contract from the US Air Force to build the next-generation aerial refueling tanker aircraft that will replace 179 of the service's 400 KC-135 tankers.

Under the contract, Boeing will design, develop, manufacture and deliver 18 initial combat-ready tankers by 2017.

"We're honored to be given the opportunity to build the Air Force's next tanker and provide a vital capability to the men and women of [the US] armed forces," said Jim McNerney, Boeing chairman, president and CEO.

"Our team is ready now to apply our 60 years of tanker experience to develop and build an airplane that will serve the nation for decades to come."

In selecting the Boeing NewGen Tanker after a lengthy and rigorous proposal process, the Air Force has chosen an American-built, multi-mission tanker that is based on the proven Boeing 767 commercial airplane and meets all requirements at the lowest risk for the warfighter and the best value for taxpayers.

The Boeing proposal was created by an integrated "One Boeing" team from various sites across the company, including employees from the

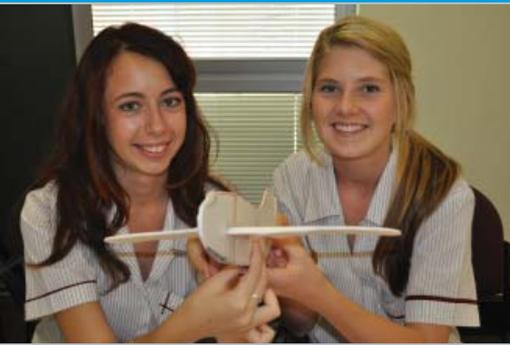
Commercial Airplanes; Defense, Space & Security; and Engineering, Operations & Technology organizations.

"This contract award would not have been possible without the hundreds of Boeing employees across the entire company, and the thousands of our industry teammates, who remained laser-focused on our commitment to offer a solution that is first in capability and best in value," said Dennis Muilenburg, president and CEO of Boeing Defense, Space & Security.

Based on the proven Boeing 767 commercial aircraft, the KC-46A Tanker is a widebody, multi-mission aircraft updated with the latest and most advanced technology and capable of meeting or exceeding the US Air Force's needs for transport of fuel, cargo, passengers and patients.

It includes state-of-the-art systems to meet the demanding mission requirements of the future, including a digital flight deck featuring Boeing 787 Dreamliner electronic displays.

The NewGen Tanker also features an advanced KC-10 boom with an expanded refueling envelope, increased fuel offload rate and fly-by-wire control system.



### Styrofoam aircraft soar for students

Kilcoy State High School students Elizabeth Kuhn and Brittany Henzler-Byrnes (above) were among more than 200 year 9 and 10 students who took part in the annual Queensland University of Technology (QUT) Science and Engineering Challenge in Queensland this month.

The Challenge encourages students to use their maths, science and physics knowledge to help them quickly build aircraft, bridges, eco-homes, vehicles, satellite dishes, and power and water distribution systems from everyday materials.

Students participating in the 'Flight of the Navigator' challenge were required to create a Styrofoam aircraft that was assessed on both flight and landing accuracy.

Boeing is a strong supporter of the Challenge and of QUT through its University Relations program. More than 23,000 students across Australia are expected to participate in the Challenge in 2011.

## Velocity

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# Minister praises Boeing support for Defence flood operations

Minister for Defence Materiel Jason Clare has praised the work of Boeing employees who supported the Australian Defence Force response to the Queensland floods earlier this year.

Speaking at the Australian Defence Magazine Conference in Canberra this month, Minister Clare said it has been a terrible summer that has shown Mother Nature at her worst with flooding and cyclones in Queensland, but it has also shown the ADF at its best.

Minister Clare said the men and women of the ADF had delivered more than a million kilos of supplies to affected communities; air-lifted 183 patients from Cairns Hospital in a single night; and evacuated more than 1,000 people stranded by rising flood waters.

The Minister added: "They were only able to do those things because of the men and women on the ground who put them in the air and kept them there.

"An old pilot told me last year that unless your ground crew can put you on the start line, no pilot's worth two bob. In the last few weeks there have been a lot of people doing a lot of hard work to get our planes and helicopters to the start line.

"Last week I spoke to a bloke named Col Beal. He heads up the Black Hawk maintenance team for Boeing at Oakey.

"The Black Hawks have flown more than 450 hours already this year, and for every hour in the air they need a lot of hours of maintenance and preparation on the ground.

"That means Col's team have worked long hours – early in the morning and late at night. Some came back from Christmas holidays. Some had their own homes flooded. Col had his head under a Black Hawk when his car was washed down the street the day that inland tsunami hit Toowoomba.

"It's because of men and women like Col and his team that so many supplies were delivered and so many people were winched to safety.

"One of those people was an elderly woman living near the town of Forest Hill in the Lockyer Valley.

"On the 11th of January she got the shock of her life when she found an Army sergeant - in a flight suit and helmet - standing in her living room. It was about 7:30pm and getting dark. He had been winched into her yard and dropped into chest high water.

"He rushed into her house and told her they had to go. She said she was fine and that her daughter was coming to pick her up in her car. But that wasn't going to happen – all the roads had been cut off.

"The Sergeant told me she then went into the kitchen to put the jug on and asked him if he would like a cup of tea. He said he would love one – but there was no time. It was now pitch black. The helicopter had been overhead for 25 minutes with a crew and 3 other rescued people onboard – and they were running low on fuel.

"He got her to the front steps of the house and they winched her up – with live electrical wires only 6-8 feet away – and into the Black Hawk. This was only able to happen because of a brave and patient man, his crew up above and a team back at Oakey who had worked into the night to get that helicopter to the start line.

"It's a nice story from a terrible day, in a terrible month. But it's just one story. The same sort of work has been going on right across the Defence Industry.

"So to Col and his team, to you and to everyone in the Australian Defence Industry that puts our men and women at the start line – thank you."