Embraer Unveils Revamped Jet To Challenge CSeries.

The Toronto Star (6/17, Lu) reported that the rivalry between Boeing and Airbus moved into high gear yesterday as both manufacturers announced billions in new orders at the Paris Air Show. "And Brazil’s Embraer officially unveiled its revamped regional jets, known as the E2 series, and quickly announced potential orders of 365 at launch – rivaling what Bombardier Inc. has won for its CSeries in three years of commercial activity.” Bombardier, the Star added, "was on the sidelines on Monday, disclosing only that Odyssey Airlines, a new business airline that plans to start up service from London City Airport, was an unnamed customer that placed a firm order in 2011 for 10 CSeries jets.”

The Vancouver Sun (6/18, Deveau) reports, “The so-called E-Jet E2 family will not only compete against Bombardier’s current slate of regional aircraft but also the smallest of its upcoming CSeries aircraft.” According to the Sun, “the planes are an update of the Brazilian manufacturer’s existing E-Jets with new wings, better avionics, fly-by-wire controls and new Pratt & Whitney geared-turbofan engines.” The planes "are also larger than the existing E-Jets, and can reach upward of 144 seats in a high-density configuration of the largest, the E-Jet 195 E2.” The Toronto (CAN) Globe and Mail (6/18) reports Embraer’s entry could “force Bombardier to quickly refine its C Series and existing CRJ regional jets, as the new rival seeks market share.” Embraer’s “E175, E190 and E195 jets will offer new, more fuel-efficient engines – the same power plants available on Bombardier’s C Series – and more modern wings that will help reduce fuel consumption, noise, emissions and maintenance costs.” The Globe and Mail notes, “The C Series is scheduled to enter service next year, five years ahead of the new Embraer plane.” According to Addison Schonland, a partner in consulting firm AirInsight, “That gives Bombardier plenty of time to improve the plane and benefit from efficiencies Pratt & Whitney will make to the engines.”

The Montreal (CAN) Gazette (6/18, Shalom), AFP (6/18) and other media sources also cover the story.

Paris Air Show Begins. USA Today (6/17, Mutzabaugh) reports that the 2013 Paris Air Show’s start included “a series of new commercial airplane orders set to be announced by Boeing, Airbus and Embraer.” Despite “thunderstorms and torrential downpours” at the start of the day, there were “flying displays by both the Boeing 787 Dreamliner and the Airbus A380,” as well as “much speculation about a flyby from Airbus’ new A350.” The AP (6/17) also covers the Paris Air Show.

Aerojet President Touts Ramjet Technology. Flightglobal (6/18, Thisdell) reports that by the end of the year, "Boeing and Raytheon will both have flown Mach 4 air-launched missiles featuring Aerojet's ramjet technology.” Aerojet president Warren Boley predicts such missiles will end up “on every US fighter” and, while it will take years, he says a “combination of Aerojet’s rocket engine technology and M4 ramjet capability with the even faster Rocketdyne scramjets...will create the M6 airliner so long dreamed of by transportation visionaries.”

EADS Working On Electric Planes. Flightglobal (6/18, Thisdell) reports EADS is seeking, with Rolls-Royce, Siemens, and other partners to create an electric aircraft, which EADS’s chief technology, Jean Botti, calls the “E-Airbus”. Meanwhile, “E-Fan – sporting the very appropriate registration F-WATT – has been in the works for eight months.”
GE Aviation To Open New Plant In North Carolina.
The AP (6/18) reports GE Aviation plans to break ground later this year on a parts factory near Asheville, North Carolina. “GE Aviation’s new facility is being built next to an existing GE machining plant.” The new facility “is part of a larger commitment by GE Aviation to invest $195 million across its North Carolina operations through 2017.”

The Triangle Business Journal (6/17, Subscription Publication) reports, “GE Aviation is planning to produce engine components made of advanced ceramic matrix composite (CMC) materials at a new facility located next to GE’s existing machining plant in Asheville.” The “project will increase employment and investment in Durham, West Jefferson and near Wilmington.”

Putnam Plastics Expanding In Dayville.
The Norwich (CT) Bulletin (6/18) reports Putnam Plastics Corp. has completed construction of its manufacturing and office space in Dayville. “The 92,000-square-foot facility will allow the firm, which manufactures parts for medical devices, to expand its technology development and manufacturing operations, according to a press statement. “The finishing operations will include printing, insert molding, tipping, welding and assembly operations for finished tube components used in medical devices, company officials said.”

General Motors Names New Head Of North American Manufacturing.
Reuters (6/18) reports General Motors named Gerald Johnson vice president for North American manufacturing, effective July 1.

The Detroit News (6/18) reports, “Johnson will replace Diana Tremblay, who the Detroit automaker last week named vice president of the company’s new Global Business Services unit.” He “will oversee more than 74,000 employees at 56 assembly, stamping, powertrain and component plants in the US, Canada and Mexico.”

The Detroit Free Press (6/18, Bomey) also covers the story.

Airbus To Test A350.
Aviation Week (6/18, Flottau) reports Airbus’ “ability to regain traction in the overall widebody segment will largely depend on its new A350.” The first test plane “was expected to make its first flight late last week” and the second and third flight-test aircraft “are on the final assembly line.” The company “anticipates accumulating 2,500 hr. of flight tests involving five aircraft to achieve certification.” Industry sources say the first test plane “is reportedly more than seven tons heavier than planned,” and A350 Chief Engineer Gordon McConnell “indirectly concedes that there still is a weight issue.”

From SME

FABTECH
November 18-21 | McCormick Place | Chicago

Generate Leads and Increase Sales at FABTECH

FABTECH is the place where the manufacturing industry’s most influential buyers come to see the latest and greatest in metalforming, fabricating, welding and finishing. They seek out new technology and products to make their businesses more productive and profitable. Join us at FABTECH 2013 and showcase your products and services to an audience with serious purchase intentions. Make high-quality connections that can accelerate the sales cycle.

Contact the FABTECH sales team at 800.733.3976 or email exposales@sme.org to reserve space today.

Exhibitor Prospectus | fabtechexpo.com

SME — Making the future. Together, REDISCOVER SME.

EDUCATION AND WORKFORCE DEVELOPMENT

California University Of Pennsylvania Starts New Program To Address Manufacturing Skills Gap.
The Pittsburgh Business Times (6/18, Subscription Publication) reports, “In the fall semester,” California University of Pennsylvania “is launching a bachelor of science in mechatronics engineering technology, the first hands-on technology-focused, four-year program of its kind in the Pennsylvania State System of Higher Education.” The program “will prepare students to take on some of the high-skill manufacturing roles that have been difficult for employers to fill.” The Times notes, “A key aspect of the program has been to establish partnerships with industry.”
Rocket Engine Project Could Bring Thousands Of Jobs To Huntsville.

The Huntsville (AL) Times (6/18, Roop) reports Aerojet Rocketdyne president Warren Boley said “at the Paris Air Show Sunday that a new NASA rocket engine could mean 5,000 engineering jobs for Huntsville.” Boley was referring to “a second-generation upgrade of NASA’s Space Launch System (SLS),” while NASA is concentrating on its “smaller brother.” Still, Marshall Space Flight Center spokeswoman Kim Henry said, “We’re going to need that (130-ton) heavy lift rocket” to go to Mars.

NASA Remains Most Wanted Employer For Engineering Majors.

The Houston Chronicle (6/17, Berger) “Sci Guy” blog reported that a poll of 9,770 US undergraduate engineering majors by Universum found that NASA remains “No. 1 in terms of being the most listed employer,” and its share of responses has increased “from one-in-six respondents in 2012 to nearly one-in-five this year.”

ECONOMIC NEWS

New York Area Manufacturing Up In June.

Bloomberg News (6/18, Woellert) reports, “The Federal Reserve Bank of New York’s general economic gauge, known as the Empire State index, climbed to 7.8 this month, the highest reading since March, from minus 1.4” last month. “The headline index is considered a sentiment reading because it’s derived separately from underlying measures of economic strength, which deteriorated last month.” Companies “are putting off equipment purchases as they navigate the effects of this year’s across-the-board federal spending cuts, known as sequestration, and higher taxes.” Also, manufacturers “have been hindered by a recession in Europe and a slowdown in China.”

Buffalo (NY) Business First (6/17, Subscription Publication) reports, “At the same time, most other indicators in the survey” declined. “The measurement for new orders slipped six points to -6.7, the shipments index fell twelve points to -11.8, and the unfilled orders index fell eight points to -14.5.” In addition, “labor market conditions worsened.”

The Rochester Business Journal (6/18, Deckert) reports, “The future general business conditions index inched down to 25, the future new orders index fell nine points to 19.8 and the future shipments index fell five points to 20.2.” The Journal also reported that the “capital expenditures index fell steeply, dropping 20 points to 3.2, and the technology spending index moved into negative territory for the first time since 2009, declining 15 points to -3.2.”

Also covering the story are the Wall Street Journal (6/18, Subscription Publication), Reuters (6/18) and other media sources.

Homebuilder Sentiment Highest Since 2006.

The AP (6/18) reports that homebuilders are hopeful about home sales for the first time in seven years. The National Association of Home Builders/Wells Fargo builder sentiment index rose to 52 in June from 44 in May. This was the largest month-over-month increase since 2002. The AP notes that the index has not exceeded 50 since April of 2006.

The Wall Street Journal (6/18, Morath, Mitchell, Subscription Publication) reports that economists had expected the index to rise only to 45 in June. Therefore, this new reading was a surprise. The piece notes that a reading of 50 indicates builders consider sales conditions to be good. It adds that this statistic is crucial because home building helps to fuel overall economic growth.

Bloomberg News (6/18, Smialek) reports that the three components for this index rose to their highest levels since 2006. For instance, the “gauge of the sales outlook for the next six months rose to 61 in June from 52. Prospective-buyer traffic advanced to 40 this month from 33.” Meanwhile, a measure of existing home sales rose from 48 to 56. Bloomberg points out that builder confidence was higher in three out of four US regions. It was lower in the Northeast.

The Los Angeles Times (6/18, Lopez) quotes David Crowe, the NAHB’s chief economist, as saying, “Builders are experiencing some relief in the headwinds that are holding back a more robust recovery.” He added that these data provide further support for the group’s prediction that housing starts will reach 1 million year. If so, that will mean starts are 29% higher compared to 2012.

CNN Money (6/18, Isidore) reports the group “found that 41% of builders said current conditions are positive, almost double the percentage who said they were poor.” At this time last year, just “15% said conditions are good, while three times as many said it was a poor environment.”

Also covering the story are the Christian Science Monitor (6/18, Soldatthetop), Reuters (6/18, Schnurr), The Hill (6/18, Needham) “On The Money” blog, MarketWatch (6/18, Mantell) and other media sources.

LAW AND POLICY

US, EU To Begin Talks On A Trans-Atlantic Trade Deal.

The New York Times (6/18, Castle, Calmes, Subscription Publication) reports that President Obama and EU leaders have announced “the start of negotiations for a far-reaching trans-Atlantic trade deal.” The President “said that the first round of negotiations would begin in Washington next month between the United States and the 27-nation Europe Union.” The President said, “The US-EU relationship is the largest in the world — it makes up almost half of global GDP ... This
potentially groundbreaking partnership would deepen those ties.”

The Wall Street Journal (6/18, Winning, Hannon, Subscription Publication) reports that officials are pushing for an ambitious trade pact which will essentially eliminate trade tariffs and coordinate regulations for a range of industries to facilitate trans-Atlantic trade and investment. The Journal notes that the effort faces significant challenges as Europe must consider the interest of its member states and the Obama Administration must deal with Congress and lobbyists from industries which would be impacted by any agreement.

STOCKS

Stock Prices In Relation To Previous Day's Adjusted Close

<table>
<thead>
<tr>
<th>Stock</th>
<th>Price</th>
<th>Change</th>
<th>Previous Day's Price</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>DJIA</td>
<td>15179.80</td>
<td>109.67</td>
<td>14299.85</td>
<td>4.78</td>
</tr>
<tr>
<td>S&amp;P 500</td>
<td>1639.04</td>
<td>12.31</td>
<td>1858.00</td>
<td>2.00</td>
</tr>
<tr>
<td>Nasdaq</td>
<td>3452.13</td>
<td>28.58</td>
<td>20400.00</td>
<td>5.00</td>
</tr>
<tr>
<td>Gold</td>
<td>1376.60</td>
<td>-6.50</td>
<td>1385.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Silver</td>
<td>21.71</td>
<td>0.05</td>
<td>21.66</td>
<td>0.19</td>
</tr>
<tr>
<td>Copper</td>
<td>317.40</td>
<td>2.35</td>
<td>315.05</td>
<td>0.75</td>
</tr>
</tbody>
</table>

MONDAY’S LEAD STORIES

• Boeing Bringing More Automated Systems Into Airplane Production.
• Ford’s Robots Do The Driving On Tough Test Terrain.
• Manufacturing Sales In Canada Decline In April.
• Montana Residents Concerned About Keystone Pipeline’s Safety, Property Values.
• California Governor Targets Enterprise-Zone Tax Credits.

Stock Prices In Relation To Previous Day’s Adjusted Close