

# Solar-powered airplane lands in Pennsylvania

May 25 2016

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Bertrand Piccard takes a selfie on board the "Solar Impulse 2" during his flight from Dayton, Ohio to Lehigh Valley International Airport in Allentown, Pa., where he landed, Wednesday, May 25 2016. The plane was expected to make at least one more stop in the United States—in New York—before crossing the Atlantic Ocean to Europe or northern Africa. (Bertrand Piccard/Solar Impulse via AP)

A solar-powered airplane has landed in Pennsylvania, about 17 hours after it took off from the Ohio hometown of America aviation pioneers Wilbur and Orville Wright.

The Swiss-made Solar Impulse 2 landed at Lehigh Valley International

Airport in Allentown around 8:45 p.m. Wednesday, the latest stop of its journey around the world. The plane took off from Dayton International Airport just after 4 a.m.

The aircraft traveled from Tulsa International Airport to Dayton last weekend. The plane's departure from Dayton was delayed from Monday as project officials checked for possible damage after fans that keep the mobile hangar inflated had a power failure.

The plane was expected to make at least one more stop in the United States—in New York—before crossing the Atlantic Ocean to Europe or northern Africa.

The globe-circling voyage began in March 2015 from Abu Dhabi, the capital of the United Arab Emirates, and made stops in Oman, Myanmar, China and Japan.

The Solar Impulse 2's wings, which stretch wider than those of a Boeing 747, are equipped with 17,000 solar cells that power propellers and charge batteries. The plane runs on stored energy at night.

Ideal flight speed is about 28 mph, although that can double during the day when the sun's rays are strongest.

The Solar Impulse 2 lands at Lehigh Valley International Airport, in Allentown, Pa., with Bertrand Piccard at the controls, on Wednesday, May 25, 2016, after taking off from Dayton International Airport, Ohio. The plane was expected to make at least one more stop in the United States—in New York—before crossing the Atlantic Ocean to Europe or northern Africa. (Christophe Chammartin/Solar Impulse via AP)

The plane had a five-day trip from Japan to Hawaii. The crew was forced to stay in Oahu, Hawaii, for nine months after the plane's battery system sustained heat damage on its trip from Japan.

Solar Impulse 2 then had a three-day trip from Hawaii to California's Silicon Valley. Since then, it has made trips from northern California to Phoenix, Arizona, then on to Tulsa, Oklahoma, before heading to Ohio.

Project officials say the layovers give the two Swiss pilots—Bertrand Piccard and Andre Borschberg—a chance to swap places and engage with local communities along the way so they can explain the project, which is estimated to cost more than \$100 million.

The solar project began in 2002 to highlight the importance of renewable energy and the spirit of innovation.

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