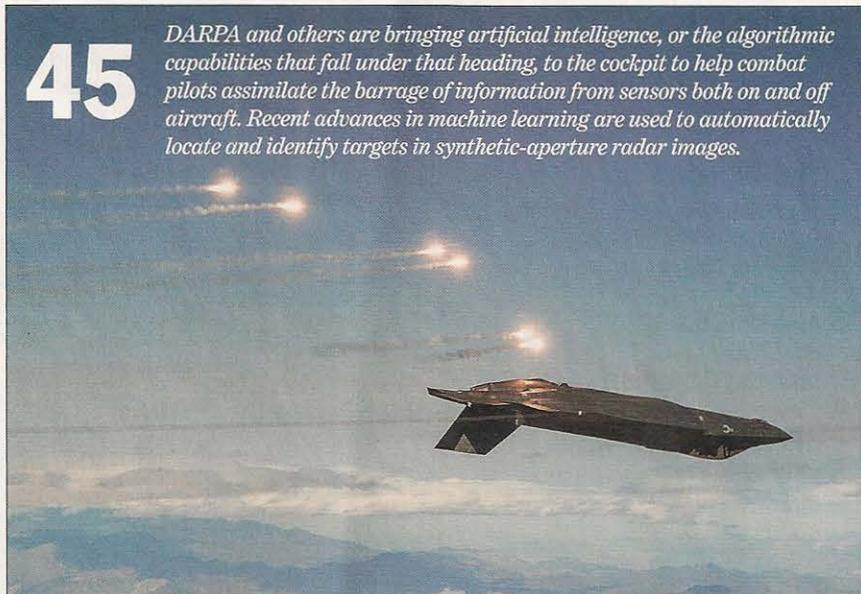


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DARPA and others are bringing artificial intelligence, or the algorithmic capabilities that fall under that heading, to the cockpit to help combat pilots assimilate the barrage of information from sensors both on and off aircraft. Recent advances in machine learning are used to automatically locate and identify targets in synthetic-aperture radar images.

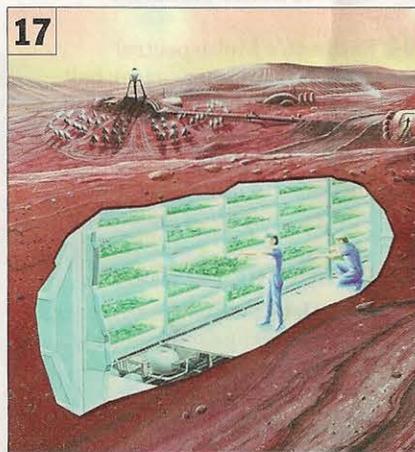
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**SPACE**

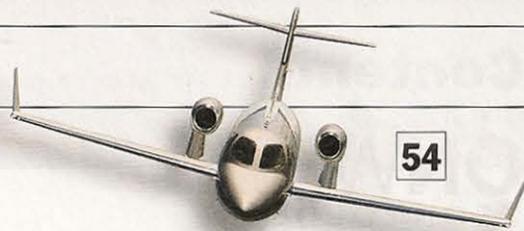
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52 **Advanced** required navigation performance will enable legacy jets to use NextGen procedures



**ON THE COVERS**

This week, Aviation Week publishes two print editions. On the cover far left is the first entrant in a family of jets Honda intends to build. Our chief aircraft evaluation editor, Fred George, recounts his experiences flying the HA-420 (see page 54). Honda photograph. Elsewhere in both editions are reports on military sensors (page 42), Embraer's next-generation E2 regional jet (page 47) and helicopter flight controls (page 34). On the cover of our Defense Technology International edition is a U.S. Air Force Global Hawk UAS with the UTC Aerospace SYERS-2C sensor from the U-2. Northrop Grumman photograph by Alan Radecki. That edition contains an additional section of defense coverage. Aviation Week publishes a digital edition every week. Read it at [AviationWeek.com/awst](http://AviationWeek.com/awst) and on our app.



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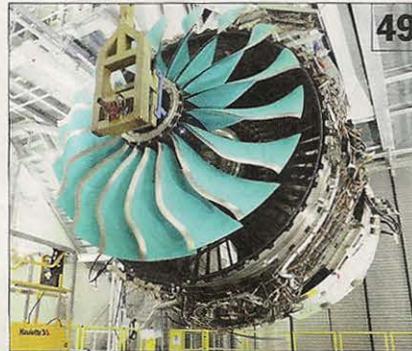
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