

FEATURES

20 | Long Shot

Russian superiority on long-range projectiles and missiles spurs the U.S. Army to launch a catch-up plan

34 | Electric-Powered Island Hops

Orkney Islands are an ideal testing ground for Cranfield Aerospace's electric commercial air services

52 | Zhuhai Airshow Preview

The U.S. challenges China on technology transfer as China expands its air, sea and space reach

64 | Staking a Future on the Moon

More than two dozen public and private organizations have unveiled lunar exploration plans

DEPARTMENTS

6 | Feedback

8 | Who's Where

10 | First Take

12 | Up Front

13 | Going Concerns

14 | Inside Business
Aviation

16 | Airline Intel

18 | Leading Edge

19 | The Launchpad

72 | Classified

73 | Contact Us

73 | Aerospace
Calendar

DEFENSE

23 | British carrier trials test unique landing capability

24 | Dassault executes Indian Rafale contract amid political turmoil

26 | Aero Vodochody eyes export success for L-39NG trainer

26 | British startup Aeralis aims to disrupt the jet trainer market

28 | Pakistan pours money into creation of its first aerospace cluster

29 | U.S. Air Force takes its next step toward protected satcom

SPACE

30 | Russia works to quickly wrap up Soyuz launch failure probe

AIR TRAFFIC MANAGEMENT

32 | Raytheon nears end of ATC automation system replacements

COMMERCIAL AVIATION

35 | Airbus grapples with new narrowbody production delays

36 | New Istanbul airport opens amid Turkey's economic, political woes



64 | NASA is now actively involved in the efforts to establish a "Moon Village."

38 | Small regional jets are helping United meet growth targets

41 | With union calm at last, Air France-KLM looks ahead

BUSINESS

39 | L3-Harris and TransDigm-Esterline mergers seen as bellwethers

BUSINESS AVIATION

42 | Aerion's AS2 supersonic business jet edges closer to reality

44 | Manufacturers embrace and advance vision systems

45 | Praetors bolster Embraer midsize, super-midsize market penetration

PROPULSION

46 | Honeywell and Safran unveil hybrid-electric, electric demos

48 | E-Fan experience spawns French hybrid-electric startup

50 | ScaleWings unveils multi-redundant hybrid aircraft engine

50 | Can clean, quiet hydrogen-electric power redefine regional travel?

SPACE

68 | 2020 decadal survey to weigh four large space telescope proposals

VIEWPOINT

74 | What we are getting into by getting out of INF

ON THE COVER

China has historically allowed Western suppliers to participate in commercial aircraft programs in exchange for transfer of at least some technology. As the U.S. government's stance on this practice may be changing, participation of U.S. suppliers in programs such as the Comac C929 could be jeopardized. Our report by Beijing Bureau Chief Bradley Perrett begins on page 52. Photo by Weimeng/Wikipedia. Aviation Week publishes a digital edition every week. Read it at AviationWeek.com/awst

DIGITAL EXTRAS Access exclusive online features from articles accompanied by this icon.