

# THE FUTURE OF AEROSPACE

THE RACE is ON

MIKE CACHIERO | VICE PRESIDENT, COMMERCIAL SPACE OPERATIONS  
LOCKHEED MARTIN SPACE SYSTEMS COMPANY

**LOCKHEED MARTIN**



# CHANGING LANDSAPE

DYNAMIC ENVIRONMENT, OPPORTUNITY FOR INNOVATORS

BUSINESS

## Boeing Looks to Build Satellites More Quickly, With Fewer Workers

Aerospace giant to rely more on 3-D printing, automated testing of components to speed up assembly process, reduce glitches

By **ANDY PASZTOR**

Feb. 21, 2017 10:53 a.m. ET

Boeing Co. is taking steps to build satellites more quickly through new production practices that will rely more on 3-D printing and involve fewer workers, which eventually could transform the aerospace giant's traditional way of turning out high-end commercial and military spacecraft.



## Q&A | Lockheed Martin's Rick Ambrose on the convergence of commercial and defense systems

by **Mike Gruss** — April 25, 2016

As executive vice president of Lockheed Martin Space Systems, Rick Ambrose has worked to position the company to win its share of government and commercial business, taking a particularly keen interest as the Defense Department plans its future satellite architectures.

NEWS OPINION VIDEO LAUNCH BUSINESS MISSIONS POLICY & POL

## Arabsat Orders U.S. Satellites — with a Side of Know-how

by Peter B. de Selding — April 30, 2015



The two-satellite contract with Lockheed is the first visible payoff from the company's effort to make its A2100 satellite frame more competitive on cost and schedule. Credit: Lockheed Martin

## NEWS RELEASE

NEWS RELEASE

### WORLD VIEW AND BALL AEROSPACE DEMONSTRATE PERSISTENT REMOTE SENSING FROM STRATOLITE PLATFORM

Download the news release PDF

TUCSON, Ariz., Feb. 23, 2017 (SpaceWire) — World View and Ball Aerospace successfully completed a Stratolite mission earlier this month, demonstrating early capabilities for remote sensing applications from the stratosphere, nearly 70,000 feet above Earth. This latest mission is a pathfinder for a commercial offering of low-cost, persistent, high-resolution imagery data.

SCIENCE NEWS | Tue Feb 28, 2017 | 4:01am EST

## SpaceX to send first paying tourists around moon next year

Musk also said that if NASA decides it wants to be first in line for a lunar flyby mission, the U.S. space agency would take priority.



File Photo: SpaceX CEO Elon Musk (R) unveils the Dragon V2 spacecraft in Hawthorne, California May 29, 2014. REUTERS/Mario Anzuoni/File Photo

1/2

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## MISSION TO SUCCESS

arianespace  
service & solutions

## In buying DigitalGlobe, MDA ensures SSL will build just-disclosed WorldView Legion constellation

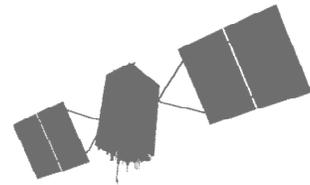
by Caleb Henry — February 24, 2017

## NASA Establishes New PPP to Advance US Commercial Space Capabilities

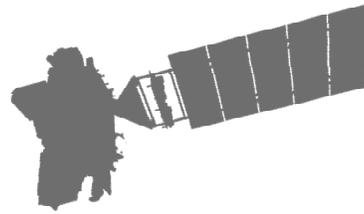
By *Kendall Russell* | February 24, 2017 | *Government, North America, Regional, Satellite News Feed, ST Briefs, Technology*

# COMMONALITY

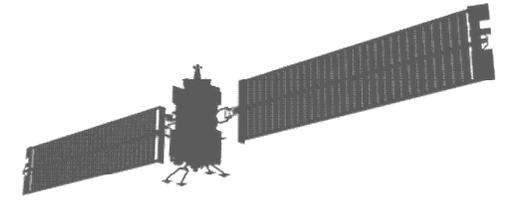
MODERNIZED A2100



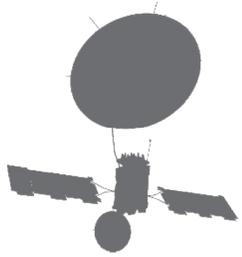
**GPS III**  
Navigation



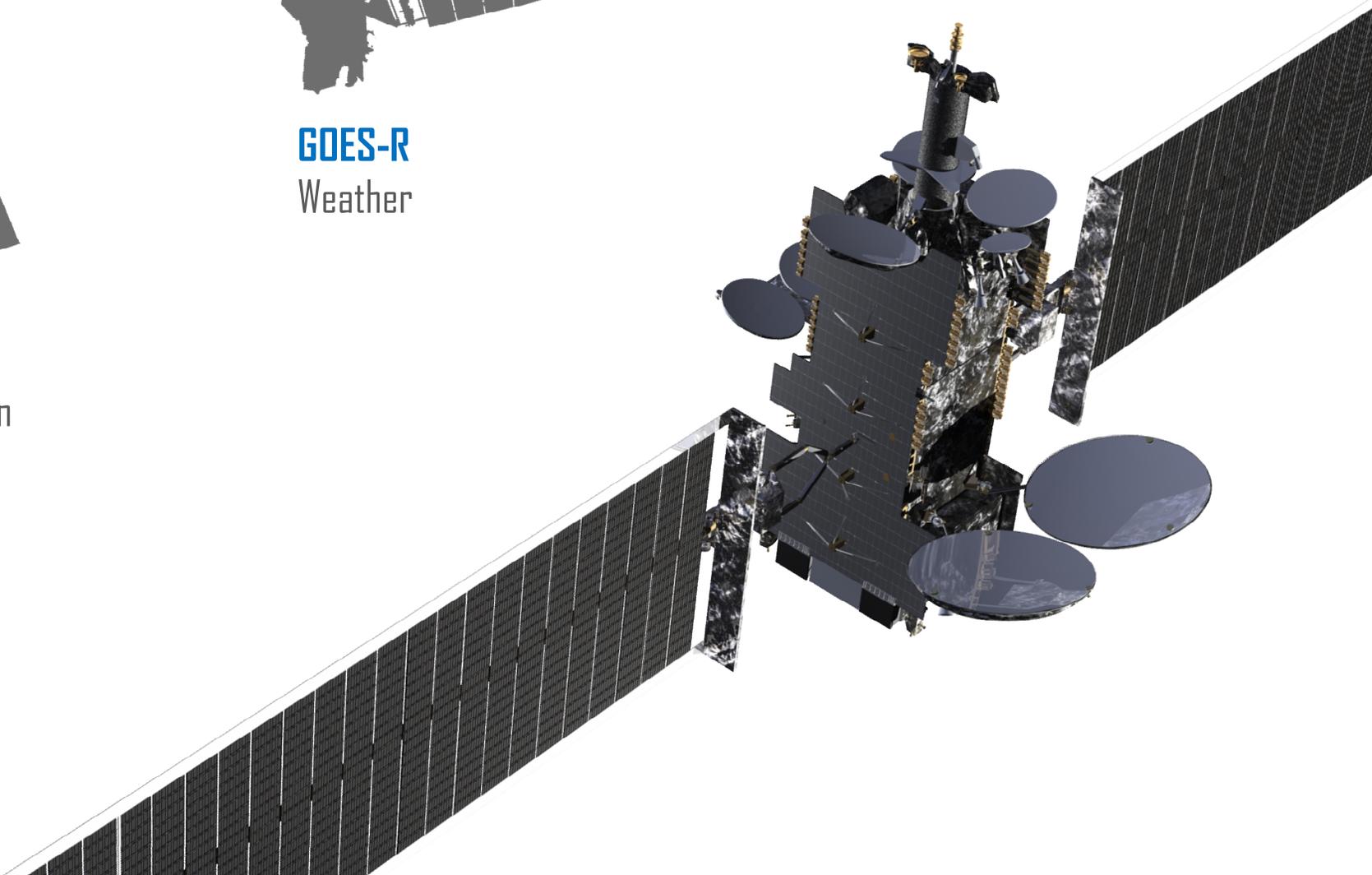
**GOES-R**  
Weather



**Arabsat**  
Commercial Comms

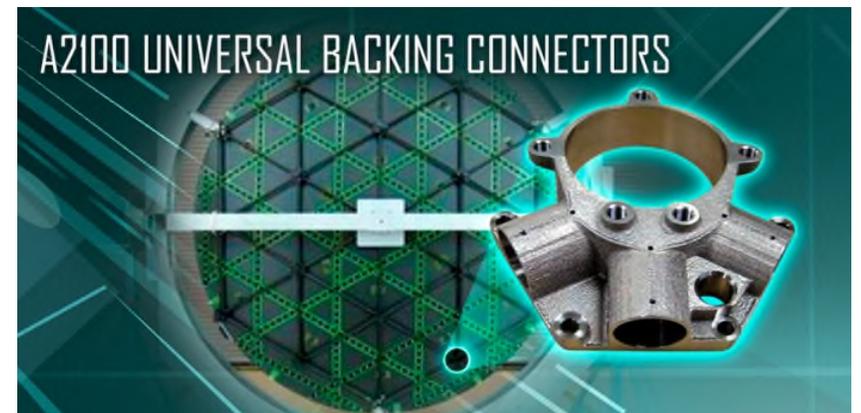
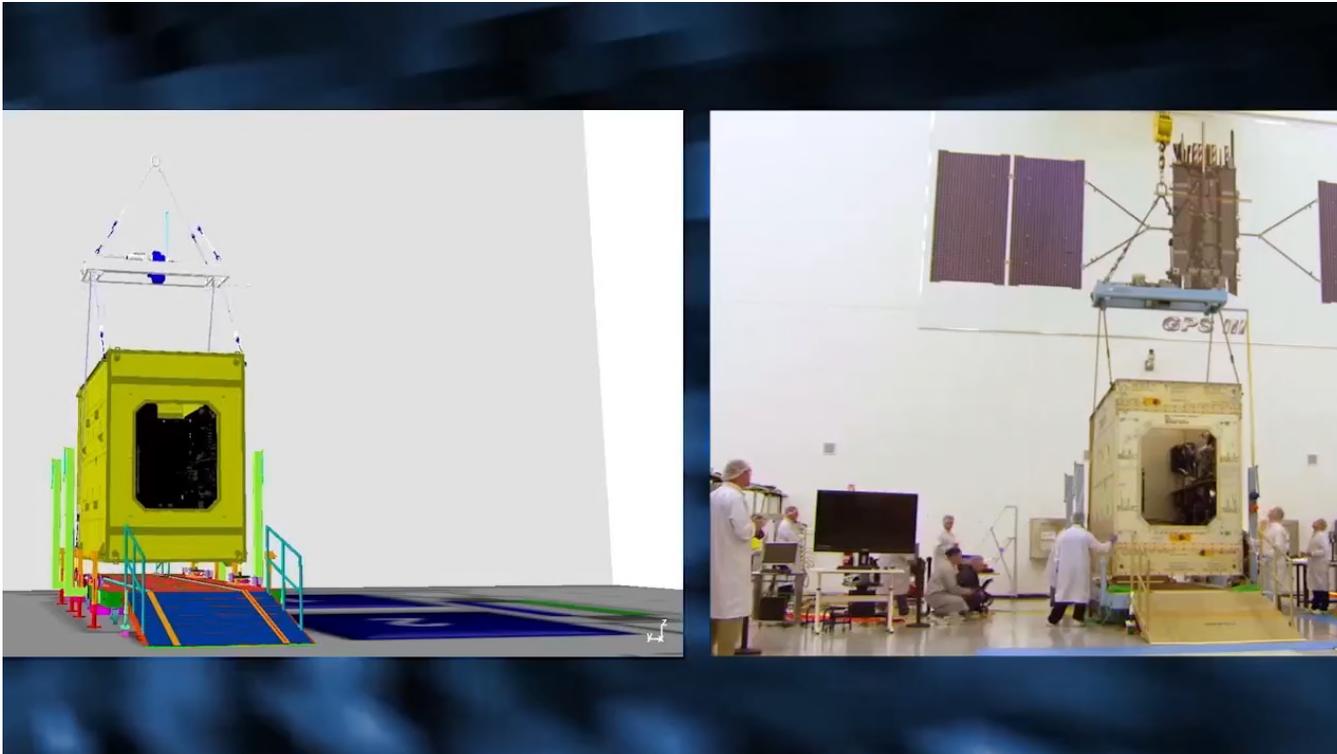


**MUOS-5**  
Mobile Comms



# INNOVATION

DIGITAL DESIGN, ADDITIVE MANUFACTURING



# TALENT

SPECIALIZED SKILLS, OVERALL KNOWLEDGE



