
MAVEN

1
00:00:00,740 --> 00:00:05,040
(Music)

2
00:00:06,920 --> 00:00:09,240
Brian Norton, LSP Strategic Planner, NASA's
Launch Services Program:

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00:00:09,240 --> 00:00:12,420
Each customer is different. They have different
needs. They're looking for different things.

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00:00:12,420 --> 00:00:13,460
Diana Calero, Mission Manager, NASA's Launch
Services Program:

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00:00:13,460 --> 00:00:16,400
It's really the people that are working together
and the team that we form.

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00:00:17,440 --> 00:00:18,380
Shaqueena Lewis, Contracting Officer Representative,
NASA's Launch Services Program:

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00:00:18,380 --> 00:00:22,400
Customers come to us - typically it's early
in the process - and because we've launched

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00:00:22,400 --> 00:00:27,019
so many missions, we have a lot of historical
data that we use. We use that information

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00:00:27,019 --> 00:00:31,949
and we analyze the data to give them the best
cost estimate, knowing their requirements

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00:00:31,949 --> 00:00:32,689
at the time.

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00:00:32,920 --> 00:00:34,200

Paul Schallhorn, Chief, Environments and Launch Approval Branch, NASA's Launch Services Program:

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00:00:34,200 --> 00:00:40,640
LSP's investment in the special studies that we perform are aimed at increasing capabilities

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00:00:40,640 --> 00:00:46,190
of launch vehicles, better serving our customer, reducing their costs, and improving their

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00:00:46,190 --> 00:00:47,030
launch opportunities.

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00:00:47,260 --> 00:00:48,471
Mike Carney, Chief, Flight Analysis Division, NASA's Launch Services Program:

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00:00:48,480 --> 00:00:53,200
All of the disciplines in the division are involved, forming a mission assurance role

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00:00:53,210 --> 00:00:56,530
to make sure what we're getting from the launch service provider is correct.

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00:00:56,530 --> 00:00:58,640
Akash Vangani, Senior Fleet Systems Engineer, NASA's Launch Services Program:

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00:00:58,640 --> 00:01:03,039
We provide that mission assurance early on. We understand the risks. We mitigate those

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00:01:03,039 --> 00:01:07,240
risks to the greatest extent possible and we inform our customers. We want them to get

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00:01:07,240 --> 00:01:11,680
to the launch site, process their satellite,

get on top of the vehicle and launch successfully.

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00:01:11,680 --> 00:01:17,180
NASA Launch Commentator: Main engine start,
ignition and liftoff of the Atlas V with MAVEN.

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00:01:17,380 --> 00:01:19,020
David Mitchell, MAVEN Project Manager, NASA's
Goddard Space Flight Center:

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00:01:19,020 --> 00:01:23,799
Well, the great thing about working with KSC
LSP is, as a project manager or a mission

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00:01:23,799 --> 00:01:29,140
manager on a spacecraft, you can work with
a community down there that is well-versed

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00:01:29,140 --> 00:01:35,659
in all the opportunities matching with other
organizations, launch service providers, work

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00:01:35,660 --> 00:01:39,200
from really the beginning to find a good match
for your mission.

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00:01:45,680 --> 00:01:47,899
Mitchell:
In a case of one of my missions I worked,

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00:01:47,899 --> 00:01:55,130
it was what they call a turn-key with an industry
partner. So you are working more directly

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00:01:55,130 --> 00:02:00,860
with industry. For me personally, there's
a level of comfort having LSP there with you,

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00:02:00,860 --> 00:02:06,200
working issues, because in my role as a project

manager on the spacecraft side, I'm not the

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00:02:06,200 --> 00:02:11,569
expert in launch vehicle systems and readiness
for launch. So it's always good to have them

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00:02:11,569 --> 00:02:16,310
there. When you've invested - in the case
of MAVEN, I invested eight years of my life

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00:02:16,310 --> 00:02:22,160
getting to that point of launch day - and
to have the professionalism which is KSC LSP,

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00:02:22,160 --> 00:02:28,890
working with the professionalism of ULA for
the Atlas V in this case, it gave me great

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00:02:28,890 --> 00:02:34,110
comfort that we had the best position to succeed
on this mission with those teams aligned together.

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00:02:34,520 --> 00:02:35,360
Amanda Mitskevich, Program Manager, NASA's
Launch Services Program:

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00:02:35,360 --> 00:02:40,180
The LSP team considers customers more than
just customers. We build a relationship over

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00:02:40,180 --> 00:02:45,080
the many years it takes to integrate a mission
on a launch service. And together, we're ensuring

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00:02:45,080 --> 00:02:46,140
mission success.

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00:02:46,460 --> 00:02:47,500
NASA Administrator Charles Bolden:
This is Charlie Bolden. I just want to take

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00:02:47,500 --> 00:02:53,760
a moment to say how proud I am to be here
with this team. What a great team we have

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00:02:53,760 --> 00:02:59,420
demonstrated that we are. In twelve days,
you know, you all have turned from launching

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00:02:59,420 --> 00:03:05,620
a TDRS at Cape Canaveral to coming out here
and launching LDCM all the way on the other

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00:03:05,620 --> 00:03:07,500
coast, and that is no small feat.

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00:03:07,500 --> 00:03:08,440
Suzanne Hilding, Director, NESDIS Office of
Projects, Planning and Analysis, NOAA:

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00:03:08,440 --> 00:03:14,180
For our mission, they selected a new entrant
vehicle. And from beginning to end, communication

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00:03:14,190 --> 00:03:20,120
was outstanding. The mission assurance task
was more demanding, I believe, than in a regular

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00:03:20,120 --> 00:03:26,000
mission, and the adaptability and the flexibility
that LSP demonstrated was also quite remarkable.

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00:03:26,000 --> 00:03:26,560
Mike Freilich, Director, Earth Science Division,
NASA's Science Mission Directorate:

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00:03:26,560 --> 00:03:34,099
This really requires a specific engineering
and programmatic expertise that not every

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00:03:34,099 --> 00:03:40,989
division in the Science Mission Directorate
or every directorate at NASA could have. But

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00:03:40,989 --> 00:03:44,530
LSP has it and they apply it for all of NASA.

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00:03:44,530 --> 00:03:46,980
Hilding:
I don't think there's any other organization

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00:03:46,980 --> 00:03:53,290
that has the years of experience. They go
into the job of providing the launch vehicle

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00:03:53,290 --> 00:03:57,129
as though it is their satellite that is sitting
on top of the launch vehicle. That sense of

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00:03:57,129 --> 00:04:01,229
ownership, that sense of responsibility and
accountability, is tremendous. And that's

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00:04:01,229 --> 00:04:02,880
what sets them apart.

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00:04:04,819 --> 00:04:08,259
NASA Launch Commentator: Liftoff of the Falcon
9 rocket with Jason-3.

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00:04:08,260 --> 00:04:09,160
Sammy Kayali, Deputy Director for the Office
of Safety and Mission Success, Jet Propulsion Laboratory:

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00:04:09,160 --> 00:04:11,080
We had a very good experience with the Launch

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00:04:11,090 --> 00:04:17,199
Services Program on the Juno mission. It is

my advice to involve them early and involve

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00:04:17,199 --> 00:04:24,020
them often. It's very beneficial to have them
by your side. They understand the process,

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00:04:24,020 --> 00:04:28,190
they understand the technology, they understand
the implications, they understand the problems

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00:04:28,190 --> 00:04:34,240
that arise and can give very good advice and
very beneficial advice to help you work your

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00:04:34,240 --> 00:04:36,520
problems and get you mission success.

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00:04:36,520 --> 00:04:41,470
NASA Launch Commentator: Liftoff of the Atlas
V with Juno on a trek to Jupiter.

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00:04:41,470 --> 00:04:47,450
Innovative. Transparency. Flexible. Expertise.

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00:04:47,520 --> 00:04:48,480
Mark Wiese, Acting Chief, Flight Projects
Office, NASA's Launch Services Program:

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00:04:48,480 --> 00:04:50,080
It's what LSP provides. It's what we're made

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00:04:50,090 --> 00:04:55,360
of. It's how our organization is set up. To
make sure we understand every intricate part

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00:04:55,360 --> 00:05:00,160
about a launch vehicle, and the entire flow
of marrying a spacecraft customer with the

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00:05:00,160 --> 00:05:04,690
right solution to get them to orbit. The universe is vast, and our science community has a lot

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00:05:04,690 --> 00:05:09,740
left to explore. And that drives us to remain world-class, so we can continue to be Earth's

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00:05:09,740 --> 00:05:10,940
bridge to space.

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00:05:10,940 --> 00:05:16,690
NASA Launch Commentator: And liftoff of the
Atlas V with Curiosity, seeking clues to the

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00:05:16,690 --> 00:05:19,300
planetary puzzle about life on Mars.

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00:05:19,300 --> 00:05:21,780
Mitskevich:
There's never really a prouder moment for

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00:05:21,780 --> 00:05:27,430
the LSP team than to be part of a successful
mission for our customers, to see the science

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00:05:27,430 --> 00:05:32,160
returns, to actually be a part of the launch
and part of the excitement that we see with

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00:05:32,160 --> 00:05:36,949
them. Our success is really intertwined with
their success. And as we head towards the

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00:05:36,949 --> 00:05:41,650
future we're going to continually evolve in
order to meet all of their needs and continue

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00:05:41,650 --> 00:05:43,169
to maximize their success.