WELL, I'M HAPPY TO JOIN YOU HERE TODAY IN MY THIRD WEEK AS NASA ADMINISTRATOR TO TALK ABOUT THE AGENCY'S VISION FOR MARS.

I WANT TO TAKE A MOMENT TO THANK ALL OF THOSE FOLKS THAT ARE WATCHING ONLINE.

I HAVE HEARD IT'S THOUSANDS, AND IT'S GREAT INTERESTS SO MUCH FROM IN THIS EFFORT OF THIS NATION AND THE WORLD TO GET TO MARS.

MAY 4TH, 1801, THOMAS JEFFERSON
DELIVERED HIS FIRST INAUGURAL ADDRESS.

DISCUSSING "A RISING NATION SPREAD OVER A WIDE AND FRUITFUL LAND, TRAVERSING ALL THE SEAS WITH RICH PRODUCTION OF THEIR INDUSTRY, ENGAGED IN COMMERCE WITH THE NATION.

ADVANCING RAPIDLY TO DESTINATIONS BEYOND THE REACH OF MORTAL EYE.

THEY SAY THAN TWO YEARS LATER PRESIDENT JEFFERSON SENT A CONFIDENTIAL REQUEST TO CONGRESS
ASKING FOR $2,500 TO EXPLORE THE WEST.

WHEN APPROVED HE GAVE INSTRUCTIONS TO MEREWETHER LEWIS AND WILLIAM CLARK.

IT WAS CLEAR HIS INTERESTS WAS SCIENCE AND DISCOVERY.

>> HE REQUESTED DESCRIPTION OF ANIMALS, VEGETABLES AND MINERALS AND OTHER CURIOUS THINGS.

FOR THE NEXT 66 YEARS, OUR MOBILITY WAS LARGELY UNCHANGED.

OUR MOBILITY WET.

Many ideas and concepts were
DEVELOPED AND PLANS MADE, BUT

00:01:37,230 --> 00:01:38,231
THE GOVERNMENT SIMPLY COULD NOT

00:01:38,298 --> 00:01:39,231
DO IT ALONE.

00:01:39,299 --> 00:01:40,633
NOTHING MATERIALIZED.

00:01:40,700 --> 00:01:44,838
IN 1860 AND 1861.

00:01:44,903 --> 00:01:46,939
THE US HOUSE PASSED BILLS TO

00:01:47,006 --> 00:01:48,908
BUILD A RAILROAD WEST.

00:01:48,974 --> 00:01:51,109
THE SENATE REFUSED.

00:01:51,177 --> 00:01:53,947
CONGRESS PASSED A PACIFIC

00:01:54,013 --> 00:01:55,248
RAILROAD ACT.

00:01:55,314 --> 00:01:57,649
ENABLING PUBLIC FUNDS TO SUPPORT

00:01:57,716 --> 00:01:59,885
PRIVATE EQUITY AND PRIVATE BONDS

00:01:59,953 --> 00:02:02,454
TO FINALLY BUILD THE RAIL ROADS

00:02:02,522 --> 00:02:06,526
WEST.

AND DELIVER MORE COMMERCE, MORE

00:02:06,593 --> 00:02:07,793
SETTLEMENT, MORE ECONOMIC GROWTH

00:02:07,861 --> 00:02:10,530
AND A STRONGER PROSPEROUS

00:02:10,597 --> 00:02:11,965
AMERICA WHICH EVENTUALLY LED TO

00:02:12,031 --> 00:02:16,536
A FREER AND SAFER WORLD.

00:02:16,603 --> 00:02:18,938
ON SEPTEMBER 12TH, 1962, JOHN F

00:02:19,004 --> 00:02:20,772
KENNEDY DELIVERED HIS OWN

00:02:20,840 --> 00:02:21,908
SCIENCE AND DISCOVERY CHALLENGE

00:02:21,974 --> 00:02:22,508
FOR AMERICA.

00:02:22,574 --> 00:02:25,512
AT RICE UNIVERSITY, MY ALMA

00:02:25,578 --> 00:02:30,182
MATER, AND ON JULY 20TH.

00:02:30,250 --> 00:02:30,750
1969.

00:02:30,817 --> 00:02:33,486
NEIL ARMSTRONG AND BUZZ ALDRUM

00:02:33,552 --> 00:02:36,889
WALKED ON THE LUNA SURFACE.

00:02:36,955 --> 00:02:39,125
WE IN THIS ROOM KNOW THAT THIS

00:02:39,192 --> 00:02:42,061
IS THE BEGINNING.
Neil and Buzz Aldrin run.

If he was here he’d tell you Buzz Aldrin is Buzz Aldrin.

After 66 years after Lewis and Clark expedition, we built the railroad.

It took 66 years.

49 years after Apollo 11, it’s time to build our own railroad.

Like then, we need to enable public funds to support private equity and bonds to deliver more commerce.

Economic growth and solidify
AMERICAN LEADERSHIP IN SPACE,

I'M FORTUNATE THAT MY TIME COMES ON THE HEELS OF MICHAEL GRIFFIN,

CHARLIE BOLDEN WHO ENVISIONED AND ADVANCED THE ORBIT.

LOWERING THE COST AND INCREASING THE ACCESS TO SPACE.

THE MODEL CAN BE EXTENDED TO AND AROUND THE ROOM AND DEEPER INTO SPACE, INCLUDING MARS.

MOVING INTO THE PRESENT.

SATURDAY, WE LUGED INSIGHT TO MARS.
THIS WAS A GOVERNMENT LANDER

BUILT BY AMERICAN INDUSTRY WITH INTERNATIONAL PARTNERS, LAUNCHED

ULA ROCKET FROM AN AIR FORCE BASE.

THIS IS, IN FACT, EVIDENCE THAT WE ARE BUILDING THE RAILROAD.

TIE BY TIE, STAKE BY STAKE.

INSIGHT WILL HELP US UNDERSTAND THE HISTORY OF MARS.

SO WE CAN BETTER UNDERSTAND OUR OWN PLANET.

SOME PEOPLE ONLINE MAY NOT BE
AWARE.

THERE ARE PROBABLY YOUNG FOLKS LISTENING TODAY.

MARS USED TO HAVE A VAST OCEAN.

TWO-THIRDS OF MARS HAD AN OCEAN.

A MAGNETOSPHERE TO PROTECT IT.

AT SOME POINT IN THE PAST MARS CHANGED.

WE NEED TO UNDERSTAND WHAT CAUSED THAT.

WHAT IS THE HISTORY SO WE CAN BETTER UNDERSTAND OUR OWN PLANET.

SINCE THIS IS THE HUMAN TO MARS
SUMMIT.

129
00:04:48,487 --> 00:04:50,389
INSIGHT HELPS TO UNDERSTAND RISK

130
00:04:50,456 --> 00:04:51,290
TO MUSEUM.

131
00:04:51,357 --> 00:04:54,260
MARS IS CLOSER TO THE ASTEROID

132
00:04:54,326 --> 00:04:54,661
BELT.

133
00:04:54,661 --> 00:04:56,696
IT HAS ITS OWN MEDIA SHOWERS.

134
00:04:56,762 --> 00:04:59,331
AND A LESS THICK ATMOSPHERE

135
00:04:59,399 --> 00:05:02,334
MEANS THERE'S MORE DANGER SHOULD

136
00:05:02,401 --> 00:05:05,303
HUMANS - WHEN HUMANS GETS TO

137
00:05:05,370 --> 00:05:05,737
MARS.

138
00:05:05,737 --> 00:05:08,507
MARS HAS MARS QUAKES AND VOOL

139
00:05:08,574 --> 00:05:08,908
CANOES.

140
00:05:08,908 --> 00:05:11,444
>> INSIGHT IS BETTER GOING TO

141
00:05:11,511 --> 00:05:13,112
UNDERSTAND THE RISK TO HUMANS.

142
00:05:13,178 --> 00:05:15,714
WHEN WE GO WE'LL BE BETTERED
INFORMED AND PREPARE.

AS MANY OF YOU KNOW, A FEW DAYS AGO MANY RELEASED A DRAFT RSP TO HELP US DELIVER PAYLOADS TO THE MOON.

SOME OF YOU ARE CONCERNED, IF I SHOULD SAY SOME OF YOU ARE CONCERNED THAT THE FOCUS IN THE COMING YEARS IS THE MOON, DON'T BE. THE PRESIDENT'S VISION EMPHASISED THAT OUR EXPLORATION CAMPAIGN WILL ESTABLISH AMERICAN LEADERSHIP IN THE EXCLAMATION OF MARS.
WE ARE DOING THE MOON AND MARS IN TANDEM AND THE MISSIONS ARE SUPPORTIVE OF EACH OTHER.

OUR RETURN TO THE SURFACE OF THE MOON WILL ALLOW US TO IMPROVE AND ADVANCE TECHNOLOGIES THAT WILL FEED FORWARD TO MARS.

PRECISION LANDING SYSTEMS.

ORBITAL HABITATION.

SURFACE HABITATION AND MOBILITY.

LONG DURATION LIFE SUPPORT.

OPERATIONS AND MUCH MORE

ENABLING US TO LAND THE FIRST AMERICANS ON THE RED PLANET.
WHILE THESE LUNAR EFFORTS ARE UNDER WAY, WE ARE PREPARING FOR MARS 2020. WHICH WILL BE THE MOST ADVANCED ROVER EVER LAUNCHED TO MARS. AND WHICH INCLUDES A CRITICAL HUMAN MISSION PRECURSOR PAYOFF MOXY.

IT WILL DEMONSTRATE FOR THE FIRST TIME OUR ABILITY TO PROCESS OXYGEN FROM THE CARBON DIOXIDE IN THE MARCHAND ATMOSPHERE, AND HARDWARE FOR A SCAMP RETURN.
MISSION.

IT WILL ENABLE AND INFORM FUTURE HUMAN EXPLORATION MISSIONS.

NASA IS WORKING TO BUILD A SUSTAINABLE AND ENDURING CAPABILITY STEADY CADENCE OF MISSIONS TO DEEP SPACE.

THIS IS WHY WE NEED A THRIVING LEO ECONOMY EXPANDING DEEPER INTO SPACE, AND WE NEED A GOVERNMENT BACKBONE TO EXPLORE WHERE AN ECONOMY DOESN'T YET ECONOMIST.

WE NEED THE SPACE SYSTEM AND THE
ORION CREW VEHICLE.

WE NEED A THRIVING INDUSTRIAL BASE, AND A WORLDWIDE COALITION FOCUSED ON THE GOAL AND SUSTAINING IT BY INSPIRING THE NEXT GENERATION.

I SAW THE MASSIVE IMPACT THAT THE WORK OF THE SPACE COMMUNITY HAS, ON INSPIRING CHILDREN AND CHANGING LIVES.

EVERY PERSON HAS A LIFE EXPERIENCE, GETTING THEM INTERESTED IN SCIENCE DISCOVERY.
AND EXPLORATION.

THIS SUMMIT IS CRITICAL.

WE NOT ONLY NEED ALL OF YOU IN

THIS ROOM WHO ARE SOLD ON THE

EXPLORATION, OR THE AEROSPACE

GROUPS AND PASSIONS THAT ARE

TIED TO IT.

WE NEED THE NEXT GENERATION.

THOMAS JEFFERSON'S DESIRE TO

EXPLORE PROCEEDED THE INAUGURAL.

HE WAS INSPIRED BY THE STORIES

OF CAPTAIN JAMES COOK WHO LED

EXPEDITIONS.

DISCOVERING NEW PLACES AND
MAKING SCIENTIFIC DISCOVERIES.

THIS MOTIVATED THOMAS JEFFERSON TO LEAD AMERICA TOWARDS SCIENCE, DISCOVERY AND EXPLORATION RESULTING IN MORE COMMERCE, SETTLEMENT AND ECONOMIC GROWTH. AND A STRONGER PROSPEROUS AMERICA, WHICH EVENTUALLY LED TO A FRER AND SAFER WORLD.

YOU IN THIS ROOM ARE DOING NO LESS, AND I AND THE NASA FAMILY ARE EXCEPTIONALLY GRATEFUL.

THANK YOU SO MUCH.
[ CLAPPING ]