



1  
00:00:00,506 --> 00:00:12,896  
[ Music ]

2  
00:00:13,396 --> 00:00:14,306  
>> This is Judy.

3  
00:00:14,806 --> 00:00:18,456  
My mentor, Charlie  
Baker, was the Crew Chief

4  
00:00:18,456 --> 00:00:21,906  
on the X-15 program  
and the Shuttle landing

5  
00:00:21,906 --> 00:00:22,976  
operations manager.

6  
00:00:23,356 --> 00:00:27,196  
He taught me how the  
fundamentals of NASA works

7  
00:00:27,196 --> 00:00:31,966  
in the business sense and how  
to think outside of a problem

8  
00:00:32,186 --> 00:00:35,086  
and be innovative  
in our solutions.

9  
00:00:35,476 --> 00:00:37,656  
NASA throws a lot of  
different projects at us.

10  
00:00:38,626 --> 00:00:40,256  
And each one is slightly  
different

11  
00:00:40,526 --> 00:00:42,026  
than anything we've done before.

12

00:00:42,926 --> 00:00:47,776

And a key moment for me came  
when I realized nobody knows how

13

00:00:47,776 --> 00:00:50,896

to do these things and  
I was just as capable

14

00:00:50,896 --> 00:00:52,996

as the next person  
to figure it out.

15

00:00:54,016 --> 00:00:56,606

That was an eye-opener  
and a game-changer for me.

16

00:00:56,676 --> 00:00:59,476

I was able to really  
trust my instincts

17

00:01:00,126 --> 00:01:04,106

and learn that I can do this.

18

00:01:04,406 --> 00:01:05,916

We sure should.

19

00:01:06,236 --> 00:01:07,126

>> We need about eight hours.

20

00:01:09,646 --> 00:01:10,646

>> My name is Judy Grizzard.

21

00:01:10,646 --> 00:01:14,856

I'm the contract manager for Kay  
& Associates at NASA Armstrong.

22

00:01:15,866 --> 00:01:20,406

We maintain a wide range of

ground support equipment needed

23

00:01:20,406 --> 00:01:24,576

to support NASA's  
fleet of aircraft here

24

00:01:24,576 --> 00:01:26,106

at Edwards and at Palmdale.

25

00:01:27,486 --> 00:01:30,296

We've supported many,  
many projects

26

00:01:30,296 --> 00:01:31,936

from Space Shuttle landings

27

00:01:32,476 --> 00:01:36,906

to LEAPTech program,  
the Orion program.

28

00:01:40,106 --> 00:01:41,946

Juan, what battery  
are you charging?

29

00:01:42,116 --> 00:01:42,806

What aircraft is this?

30

00:01:43,216 --> 00:01:45,546

We have multiple types  
of aircraft here.

31

00:01:46,556 --> 00:01:51,606

SOFIA, the Gulfstreams, G-II,  
G-III more commercial type,

32

00:01:51,606 --> 00:01:56,666

the F-18, F-15's, let's see,  
the Global Hawks and the ER-2.

33

00:01:56,696 --> 00:02:01,186  
So managing the type of  
equipment we supply is a balance

34  
00:02:01,186 --> 00:02:04,416  
to make sure that we are  
providing the equipment

35  
00:02:04,416 --> 00:02:05,256  
they need.

36  
00:02:06,536 --> 00:02:07,516  
Hey, Jimmy.

37  
00:02:07,656 --> 00:02:09,456  
The support we provided  
for the Air Force,

38  
00:02:10,076 --> 00:02:12,446  
do you remember the hydraulic  
mules that we used on that?

39  
00:02:12,996 --> 00:02:14,026  
>> 104.

40  
00:02:14,176 --> 00:02:17,226  
>> It's my role to  
inspire our employees.

41  
00:02:18,346 --> 00:02:19,696  
What they do is important.

42  
00:02:20,096 --> 00:02:21,646  
As a support contractor,

43  
00:02:22,366 --> 00:02:26,326  
we're here to help NASA  
succeed, that's our motto.

44

00:02:26,826 --> 00:02:29,376

We help NASA succeed,  
as simple as that.

45

00:02:29,466 --> 00:02:30,836

And it really is that simple.

46

00:02:30,836 --> 00:02:34,006

This is the type of red  
fluid units we used?

47

00:02:34,226 --> 00:02:34,566

>> Yes, ma'am.

48

00:02:34,736 --> 00:02:38,266

>> Okay. Some of our expertise  
includes crane operations.

49

00:02:38,786 --> 00:02:40,876

Our personnel are  
critical lift certified,

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00:02:41,436 --> 00:02:43,276

and we've been involved  
with many,

51

00:02:43,276 --> 00:02:45,826

many crane lifts  
around the center.

52

00:02:46,376 --> 00:02:54,396

One important high-dollar crane  
lift was the SOFIA mirror.

53

00:02:54,806 --> 00:02:56,076

>> Okay. Coming up.

54

00:02:56,146 --> 00:02:57,066

Go ahead and rope up.

55

00:02:57,066 --> 00:02:57,706

He's roping up now [inaudible].

56

00:02:57,756 --> 00:02:57,866

>> Okay.

57

00:02:58,996 --> 00:03:03,156

>> Removing the mirror  
from the cavity,

58

00:03:03,426 --> 00:03:06,976

we held our breath a little  
bit because it's one-of-a-kind

59

00:03:07,236 --> 00:03:11,146

and it was extremely bulky,

60

00:03:11,146 --> 00:03:15,176

removing it from a very small  
space; but it went beautifully.

61

00:03:16,446 --> 00:03:19,346

In the local area, we have  
a baseball team called

62

00:03:19,346 --> 00:03:19,916

the JetHawks.

63

00:03:20,256 --> 00:03:25,566

They have a beautiful stadium  
in Lancaster, and NASA decided

64

00:03:25,666 --> 00:03:30,596

to support their local  
community by providing an F-18

65

00:03:30,806 --> 00:03:32,496

to be mounted on a  
pedestal for display.

66

00:03:34,116 --> 00:03:39,496

Removing and then remounting  
the F-18, it was a big job.

67

00:03:39,496 --> 00:03:44,936

My role was to plan  
out the entire project.

68

00:03:44,936 --> 00:03:48,826

Find the right people,  
assign the right jobs.

69

00:03:48,826 --> 00:03:51,146

We have to worry about  
wind; we have to worry

70

00:03:51,336 --> 00:03:54,126

about the right lifting gear.

71

00:03:54,696 --> 00:03:56,376

We don't want to  
damage the plane.

72

00:03:56,376 --> 00:03:59,606

We don't want to damage  
JetHawk Stadium, the pedestal,

73

00:04:00,066 --> 00:04:02,646

and primarily we don't want  
to hurt any of our employees.

74

00:04:03,396 --> 00:04:07,886

And put it all together so  
it goes smoothly and safely

75

00:04:07,886 --> 00:04:09,666

and everybody knows  
their position.

76

00:04:09,836 --> 00:04:10,436

And it worked.

77

00:04:10,436 --> 00:04:11,656

It worked great.

78

00:04:12,046 --> 00:04:15,676

Coming to work every  
day at NASA is amazing.

79

00:04:15,826 --> 00:04:19,626

And we get to see  
amazing programs