



1
00:00:01,100 --> 00:00:06,600

[Music]

2
00:00:16,609 --> 00:00:22,189

>> Growing up in the Antelope Valley,
aerospace was a very important part of our

3
00:00:22,189 --> 00:00:24,849

community.
Seeing various aircraft fly

4
00:00:24,849 --> 00:00:29,259

from Edwards Air Force Base was always fascinating
to me

5
00:00:29,259 --> 00:00:37,649

and inspired me to pursue a career in aerospace.
I'm Gina Patrick, I'm an avionics technician

6
00:00:37,649 --> 00:00:45,030

at Armstrong Flight Research Center.
I took a course of study in aerospace technology

7
00:00:45,030 --> 00:00:50,320

at Antelope Valley College for the B1 program.

8
00:00:50,320 --> 00:00:55,119

The training course was a six month, full
time course,

9
00:00:55,119 --> 00:00:58,280

and it was a little bit challenging because
we had

10
00:00:58,280 --> 00:01:03,680

to learn all the aircraft systems,
weight and balance, towing.

11
00:01:03,680 --> 00:01:11,470

We covered mechanical things as well as electrical.
But when it was all completed, I decided I

12

00:01:11,470 --> 00:01:16,130

wanted
to be electrical versus a mechanic.

13

00:01:16,130 --> 00:01:20,470

And now I am permanently assigned to a Global
Hawk.

14

00:01:20,470 --> 00:01:26,060

My role is to fabricate the wiring that will
interface

15

00:01:26,060 --> 00:01:33,020

with the Global Hawk payload system.
Then we integrate the wiring into the plane

16

00:01:33,020 --> 00:01:39,310

and connect it to their instruments.
And perform operational checks of the payload

17

00:01:39,310 --> 00:01:43,640

system.
[Background Sounds]

18

00:01:43,640 --> 00:01:48,330

The Global Hawk can fly approximately 26 hours
nonstop.

19

00:01:48,330 --> 00:01:55,390

Power coming on.
That requires a fuel load of about 14,500

20

00:01:55,390 --> 00:01:58,600

pounds.
During the process of fueling,

21

00:01:58,600 --> 00:02:03,820

we have to equally distribute the fuel between
the wings.

22
00:02:03,820 --> 00:02:08,239
We do that by keeping weight on each wing
tip.

23
00:02:08,239 --> 00:02:13,939
And then I have to move from side to side
to keep the wings level.

24
00:02:13,939 --> 00:02:21,040
One of the good things about working
with Global Hawk is deploying, studying hurricanes

25
00:02:21,040 --> 00:02:27,090
on the East Coast and also in Guam.
And then there's an upcoming mission possible

26
00:02:27,090 --> 00:02:33,200
for Hawaii next year.
So, yeah, I want to go on that one [laughs].

27
00:02:33,200 --> 00:02:42,260
I want to go on that one bad.
[Background Sounds]

28
00:02:42,260 --> 00:02:49,980
Yes, studying hurricanes has been real interesting.
And working alongside the principle investigators

29
00:02:49,980 --> 00:02:52,190
has been
very challenging.