



1
00:00:00,780 --> 00:00:06,100

[Music]

2
00:00:07,160 --> 00:00:11,540

>>Hello my name is Deborah Jackson and I am
an aerospace engineering student at Embry-Riddle

3
00:00:11,540 --> 00:00:16,520

Aeronautical University, and today we are
integrating the electronic pressure measurement

4
00:00:16,520 --> 00:00:22,750

system, or EPM, and it was developed in house
by our wonderful interns, and so we're integrating

5
00:00:22,750 --> 00:00:27,300

it with the UAV PRANDTL, and that involves
not only bolting it down so it's safe during

6
00:00:27,300 --> 00:00:32,580

flight, but plugging in all of these tubes
so we can measure the pressure at all these

7
00:00:32,580 --> 00:00:37,370

different ports along the chord of the aircraft,
and that will help us demonstrate that the

8
00:00:37,370 --> 00:00:40,740

span load theory of PRANDTL actually works.

9
00:00:40,740 --> 00:00:43,380

[Music]

10
00:00:46,900 --> 00:00:52,949

EPM has ninety-six transducers, we're using
eighty-nine ports, so we have to plug in eighty-nine

11
00:00:53,440 --> 00:00:56,600

tubes into each other.

12

00:00:58,340 --> 00:01:01,920

[Music]

13

00:01:04,600 --> 00:01:08,780

It's so rewarding to, as an undergraduate intern, along with all my peers, I'm sure

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00:01:08,790 --> 00:01:13,410

they would agree, that, to do all this work and then to see it yield data and results

15

00:01:13,410 --> 00:01:18,360

that actually prove a theory that people have been trying to understand since 1933, is incredible,