



# SPACE SNIFFER

1  
00:00:05,789 --> 00:00:04,499  
as we know the space station is it's a

2  
00:00:07,980 --> 00:00:05,799  
closed environment so it's been up there

3  
00:00:10,140 --> 00:00:07,990  
for 16 years now so there's lots of

4  
00:00:17,880 --> 00:00:10,150  
there's bacteria there are fungi

5  
00:00:19,439 --> 00:00:17,890  
microbes he knows is a device we have

6  
00:00:22,230 --> 00:00:19,449  
we've built that can go around and

7  
00:00:28,140 --> 00:00:22,240  
detect in different areas microbial

8  
00:00:30,659 --> 00:00:28,150  
content it's interesting from a

9  
00:00:33,000 --> 00:00:30,669  
scientific standpoint we can look at the

10  
00:00:35,550 --> 00:00:33,010  
floor and the fauna of the space station

11  
00:00:37,800 --> 00:00:35,560  
and see how it's changing how things are

12  
00:00:38,940 --> 00:00:37,810  
becoming more virulence or or evolving

13  
00:00:40,110 --> 00:00:38,950

and on the other side it's just

14

00:00:41,580 --> 00:00:40,120

interesting from a public health

15

00:00:43,050 --> 00:00:41,590

standpoint understand what the

16

00:00:45,420 --> 00:00:43,060

environment is but the cool thing with

17

00:00:47,280 --> 00:00:45,430

this as well is it's also done with

18

00:00:49,350 --> 00:00:47,290

support from companies on ground who use

19

00:00:52,170 --> 00:00:49,360

this technology in hospitals or other

20

00:00:53,940 --> 00:00:52,180

settings on ground so we're also this

21

00:00:55,590 --> 00:00:53,950

project has many iterations it started

22

00:00:57,810 --> 00:00:55,600

with a basic model and it's constantly

23

00:01:04,770 --> 00:00:57,820

expanding to address different types of

24

00:01:08,280 --> 00:01:04,780

samples basically it's a long tube with

25

00:01:10,050 --> 00:01:08,290

it's got a sensor sets an electronic box

26  
00:01:12,720 --> 00:01:10,060  
and there's a few different nozzles so

27  
00:01:14,220 --> 00:01:12,730  
one is very easy to attach to a flat

28  
00:01:16,950 --> 00:01:14,230  
surface like the front of a rack looks

29  
00:01:18,660 --> 00:01:16,960  
like a huge suction cup and then another

30  
00:01:21,510 --> 00:01:18,670  
attachment to reach behind the racks is

31  
00:01:26,290 --> 00:01:21,520  
a long nozzle also with a little knob on

32  
00:01:31,780 --> 00:01:28,990  
I think now it's interesting going to

33  
00:01:33,760 --> 00:01:31,790  
talk to commercial users is that people

34  
00:01:35,920 --> 00:01:33,770  
are excited that they can now use it and

35  
00:01:37,090 --> 00:01:35,930  
access it because for so long it was not

36  
00:01:38,830 --> 00:01:37,100  
something that was accessible to

37  
00:01:40,030 --> 00:01:38,840  
everybody and I think that's really

38  
00:01:42,670 --> 00:01:40,040

changing now and that's really exciting

39

00:01:44,470 --> 00:01:42,680

and I think that will be a huge impetus

40

00:01:49,720 --> 00:01:44,480

for even new developments that we never