
NASA

1
00:00:00,530 --> 00:00:04,950
My Name is Jennifer Pruitt and I'm the Lead
Sustaining Engineer for the urine processor

2
00:00:04,950 --> 00:00:13,379
that's currently aboard the International
Space Station… so what I do is keep it running.

3
00:00:13,379 --> 00:00:23,930
So there are two things that humans need to
travel anywhere in space; oxygen and water.

4
00:00:23,930 --> 00:00:28,500
So working on the life support systems is
crucial to get us into low earth orbit, like

5
00:00:28,500 --> 00:00:32,250
we have with the Space Station, but then also
to Mars and anywhere else that we want to

6
00:00:32,250 --> 00:00:33,250
go from there.

7
00:00:33,250 --> 00:00:36,760
The International Space Station has been a
great test bed for us for the past several

8
00:00:36,760 --> 00:00:37,760
years.

9
00:00:37,760 --> 00:00:43,460
We recover water from urine and from sweat
so at the end, we make very clean water, cleaner

10
00:00:43,460 --> 00:00:45,289
than most people drink on the earth.

11
00:00:45,289 --> 00:00:50,309
Some of the water also goes into the oxygen

generation system,that splits it into hydrogen

12
00:00:50,309 --> 00:00:51,390
and oxygen.

13
00:00:51,390 --> 00:00:55,629
That oxygen can then be put back into the
cabin and the astronauts can breathe it.

14
00:00:55,629 --> 00:01:00,120
Working on something that is on the Space
Station is one of the coolest jobs I think,

15
00:01:00,120 --> 00:01:05,430
because you’re supporting life in space,
something that is very challenging, very hard

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00:01:05,430 --> 00:01:10,150
to do but it is so rewarding it allows us
to learn a lot more about our earth and the

17
00:01:10,150 --> 00:01:11,710
rest of space.