
SpacetoGround

1
00:00:07,349 --> 00:00:05,110
houston station on space to ground

2
00:00:10,470 --> 00:00:07,359
welcome to space to ground i'm kayla

3
00:00:12,470 --> 00:00:10,480
lafrance as we say hello to the new year

4
00:00:16,070 --> 00:00:12,480
the international space station is

5
00:00:19,029 --> 00:00:16,080
setting its sights to many years ahead

6
00:00:21,269 --> 00:00:19,039
nasa administrator bill nelson announced

7
00:00:23,830 --> 00:00:21,279
that the biden harris administration is

8
00:00:27,349 --> 00:00:23,840
committed to the extension of operations

9
00:00:29,429 --> 00:00:27,359
of the space station through 2030 this

10
00:00:31,589 --> 00:00:29,439
will enable continuation of

11
00:00:34,310 --> 00:00:31,599
groundbreaking research being conducted

12
00:00:36,229 --> 00:00:34,320
by nasa and our international partners

13
00:00:38,709 --> 00:00:36,239

on the orbiting laboratory through the

14
00:00:42,229 --> 00:00:38,719
rest of this decade in a statement

15
00:00:44,389 --> 00:00:42,239
posted to nasa.gov nelson said that the

16
00:00:46,869 --> 00:00:44,399
international space station is a beacon

17
00:00:49,830 --> 00:00:46,879
of peaceful international scientific

18
00:00:52,229 --> 00:00:49,840
collaboration and for more than 20 years

19
00:00:54,389 --> 00:00:52,239
has returned enormous scientific

20
00:00:57,430 --> 00:00:54,399
educational and technological

21
00:00:59,189 --> 00:00:57,440
developments to benefit humanity

22
00:01:01,830 --> 00:00:59,199
one of the current developments of for

23
00:01:04,070 --> 00:01:01,840
these space station is the manufacturing

24
00:01:06,550 --> 00:01:04,080
of super alloys

25
00:01:09,270 --> 00:01:06,560
super alloys are metal alloys with

26
00:01:12,230 --> 00:01:09,280
incredible heat resistant properties

27
00:01:14,789 --> 00:01:12,240
the turbine super alloy casting module

28
00:01:17,670 --> 00:01:14,799
is testing a commercial manufacturing

29
00:01:20,390 --> 00:01:17,680
device that processes heat resistant

30
00:01:22,710 --> 00:01:20,400
alloy parts in microgravity

31
00:01:24,710 --> 00:01:22,720
the research of these super alloys could

32
00:01:27,429 --> 00:01:24,720
improve the performance of materials

33
00:01:29,830 --> 00:01:27,439
under extremely high temperatures such

34
00:01:33,350 --> 00:01:29,840
as metals and turbine engines for

35
00:01:35,350 --> 00:01:33,360
aerospace and power generators

36
00:01:38,149 --> 00:01:35,360
so how is your new year's resolution

37
00:01:40,789 --> 00:01:38,159
coming along well we have a resolution

38
00:01:43,190 --> 00:01:40,799

that will be easy to follow we invite

39
00:01:44,870 --> 00:01:43,200
you to keep up to date on the latest

40
00:01:47,429 --> 00:01:44,880
news about the international space

41
00:01:50,469 --> 00:01:47,439
station this year by connecting with us

42
00:01:52,950 --> 00:01:50,479
on one of these social media platforms

43
00:01:56,149 --> 00:01:52,960
you can find updates from the iss on

44
00:01:58,149 --> 00:01:56,159
twitter at space underscore station and

45
00:02:00,550 --> 00:01:58,159
for the latest news about research and

46
00:02:04,310 --> 00:02:00,560
science on the orbiting laboratory head

47
00:02:06,709 --> 00:02:04,320
to at iss underscore research

48
00:02:09,190 --> 00:02:06,719
you can get a daily on-orbit status

49
00:02:11,990 --> 00:02:09,200
report by visiting our space station

50
00:02:13,830 --> 00:02:12,000
blog at blogs.nasa.gov

51
00:02:15,750 --> 00:02:13,840
and you can follow the international

52
00:02:17,030 --> 00:02:15,760
space station on facebook and on

53
00:02:19,350 --> 00:02:17,040
instagram

54
00:02:20,390 --> 00:02:19,360
do you want the latest nasa news in your

55
00:02:23,110 --> 00:02:20,400
inbox

56
00:02:25,589 --> 00:02:23,120
sign up for one of the nasa newsletters

57
00:02:29,030 --> 00:02:25,599
explore a wide list of topics like

58
00:02:32,550 --> 00:02:29,040
station science space biology and

59
00:02:34,390 --> 00:02:32,560
astronaut photography of our planet

60
00:02:37,350 --> 00:02:34,400
that's face to ground for this week

61
00:02:39,270 --> 00:02:37,360
thanks for watching and as always keep

62
00:02:43,240 --> 00:02:39,280
sending us your questions using the

63
00:02:49,430 --> 00:02:43,250

hashtag asknasa we'll see you next week