



CHANDLER SCHEUERMANN
CRYOGENIC TANKS SUBSYSTEM ELEMENT MANAGER

SLS
SPACE LAUNCH SYSTEM

1
00:00:00,000 --> 00:00:01,985
Hi I'm Chandler Scheuermann.

2
00:00:01,985 --> 00:00:04,254
We're inside NASA's
Michoud Assembly Facility

3
00:00:04,254 --> 00:00:06,189
here in New Orleans where
the Space Launch System's

4
00:00:06,189 --> 00:00:07,724
core stage is being built.

5
00:00:07,724 --> 00:00:10,394
This is Rocket Science in
Sixty Seconds.

6
00:00:10,394 --> 00:00:13,897
[MUSIC]

7
00:00:13,897 --> 00:00:16,099
The core stage is the
backbone of the propulsion

8
00:00:16,099 --> 00:00:18,135
system that helps launch
the rocket to the Moon.

9
00:00:18,135 --> 00:00:20,737
Stages for the first and
second Artemis missions

10
00:00:20,737 --> 00:00:24,274
are being built right here
at Michoud in New Orleans.

11
00:00:24,274 --> 00:00:27,878
[Music]

12

00:00:27,878 --> 00:00:29,946

Green run is a series
of tests during which

13

00:00:29,946 --> 00:00:31,848

test conductors will bring
the core stage to life

14

00:00:31,848 --> 00:00:32,883

for the first time.

15

00:00:32,883 --> 00:00:34,985

Propellant will flow
through the cryogenic tanks,

16

00:00:34,985 --> 00:00:37,988

flight computer and avionics
will operate all the systems

17

00:00:37,988 --> 00:00:41,725

and four RS-25 engines
will fire all at the same time.

18

00:00:41,725 --> 00:00:45,262

[Music]

19

00:00:45,262 --> 00:00:48,131

Green run testing formally
validates the core stages

20

00:00:48,131 --> 00:00:50,500

design, certifying it ready
for launch.

21

00:00:50,500 --> 00:00:52,202

The next time the
core stage hardware

22

00:00:52,202 --> 00:00:54,104

comes together will be
on the launch pad at