



**KENT CHOJNACKI**  
**STAGES ASSOCIATE MANAGER**



1

00:00:00,100 --> 00:00:03,500

Hi, my is Kent Chojnacki and I'm the Stages Associate Manager

2

00:00:03,536 --> 00:00:05,336

for the Space Launch System.

3

00:00:05,353 --> 00:00:07,320

This is Rocket Science in 60 seconds.

4

00:00:09,556 --> 00:00:13,823

The EUS is in the Block 1B configuration and following Artemis 3,

5

00:00:14,012 --> 00:00:17,479

it will be able to send much larger payload capacity towards the moon.

6

00:00:19,939 --> 00:00:22,106

The EUS design makes the SLS rocket for

7

00:00:22,110 --> 00:00:24,077

later Artemis missions more powerful.

8

00:00:24,131 --> 00:00:26,131

With the EUS, we can send more mass to the moon

9

00:00:26,220 --> 00:00:29,520

to enable a cargo capability for sustained presence on the moon

10

00:00:29,971 --> 00:00:33,404

so humans can explore more of deep space including Mars.

11

00:00:35,550 --> 00:00:39,283

It can send over 37 metric tons to Translunar Injection.

12

00:00:39,287 --> 00:00:42,054

That includes Orion, it's four astronauts,

13

00:00:42,087 --> 00:00:44,323

and ten metric tons of co-manifested payload.

14

00:00:47,147 --> 00:00:50,280

The EUS has successfully passed it's preliminary design review,

15

00:00:50,281 --> 00:00:51,881

we've done the work in the factory