

## Concurrent Design Question Sheet

Watch the video and answer the questions. The video is found at:

<https://www.youtube.com/watch?v=xQg2ObAxtSI>

Read the brief description of the video before you start watching the video. This video talks about the design of space missions focussing on one of ESA's missions.

1. Where is the concurrent design facility located (0.00-0.20)
2. Concurrent design is an innovative \_\_\_\_\_ method (0.29)
3. What does Andres Galvez, as a CDF customer say is important about this process (0.40-0.50).
4. The team leader leads the design process, in the video name 3 other groups in the multidisciplinary team (0.50-1.25).
5. What is this particular project investigating (1.30-1.40)?
6. What is the project goal (2.14-2.20)?
7. What is the team leader's role (2.45-3.00)?
8. What happens after each team has developed their proposal (3.58-4.10)?
9. What effect does this approach have on time and cost (5.00-5.10)?

Our CubeSat mission is obviously not as complicated as a space mission at ESA, and does not include aspects such as financial budgeting and risk management, but the design of our mission will still benefit from using some aspects of concurrent design.

What is the project trying to achieve?

What would be the indicators of a successful mission?