



DRONE

HOVERWORKS

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2020032806 백종성

CAD



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주제 선정 이유

시뮬레이션

모델링

Q&A



군용드론



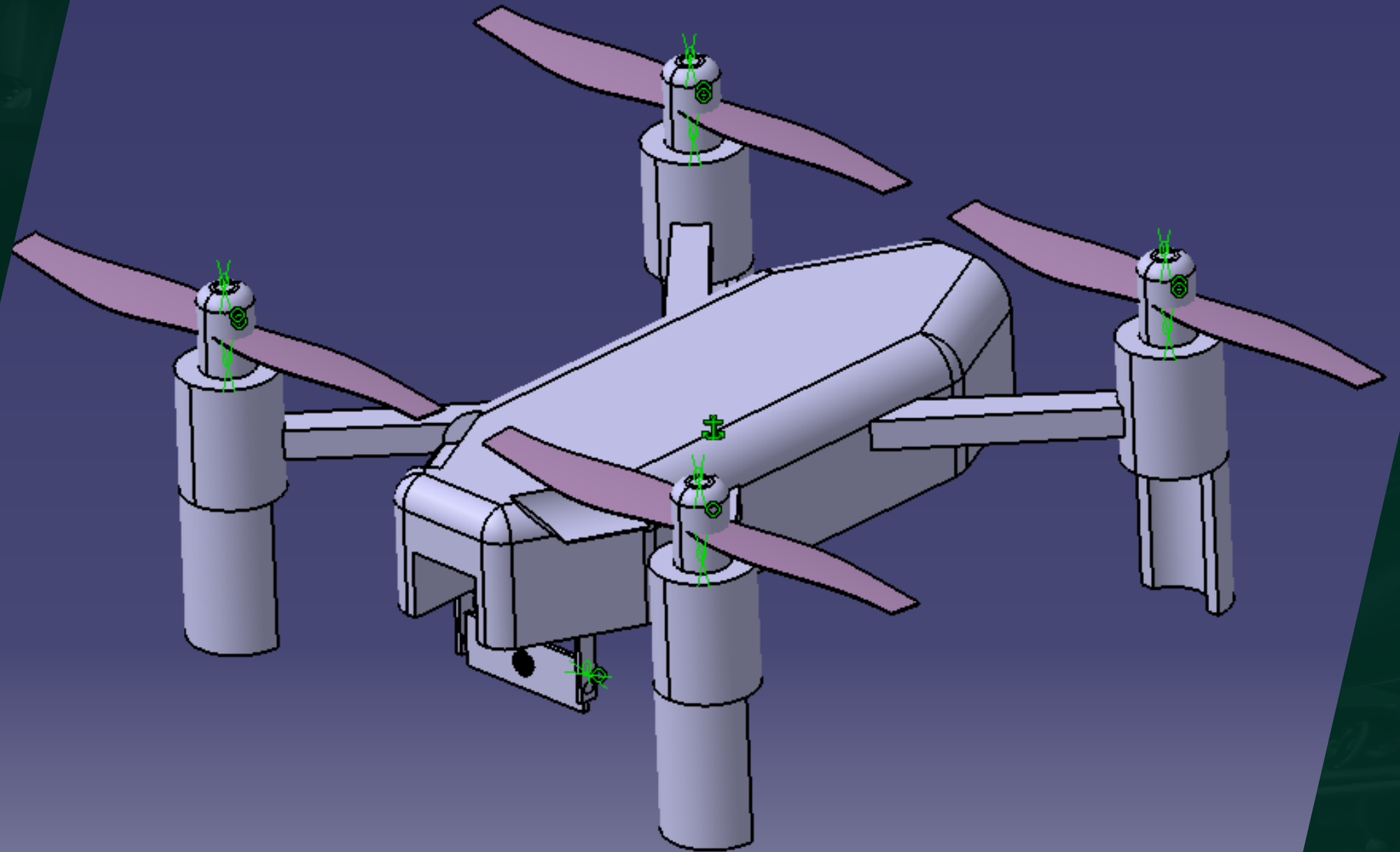
민간드론

설계 구조

• BODY

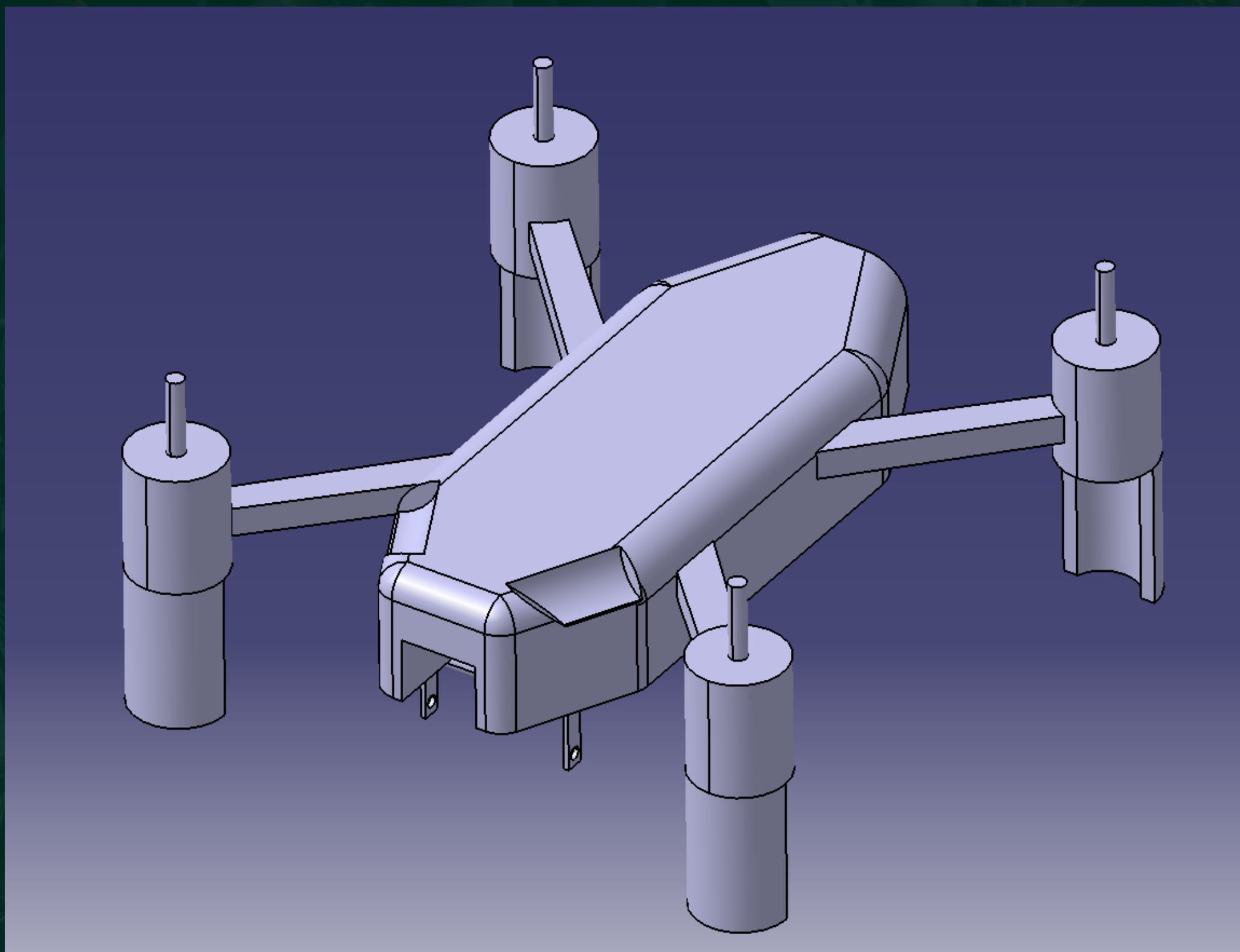
• PROPELLER

• CAMERA



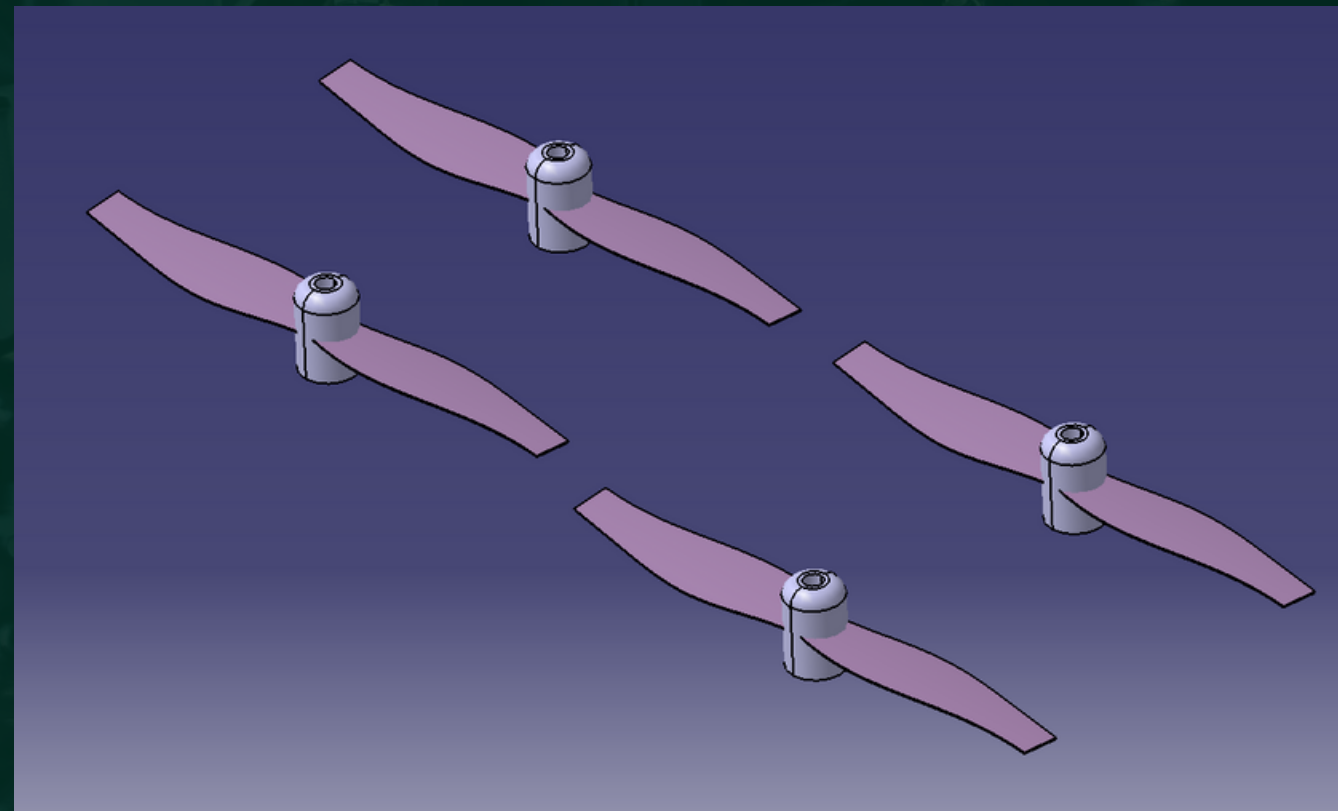
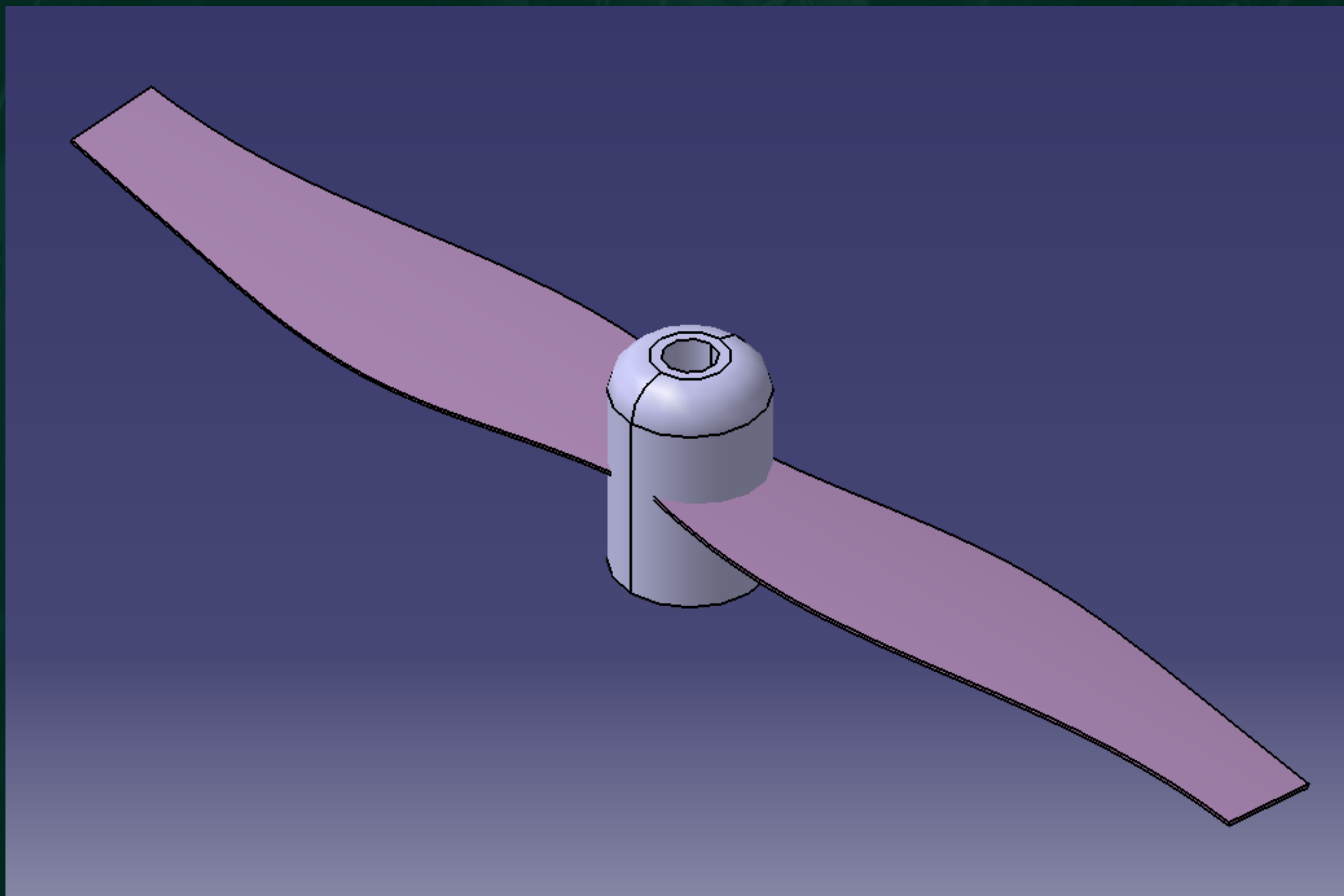


BODY



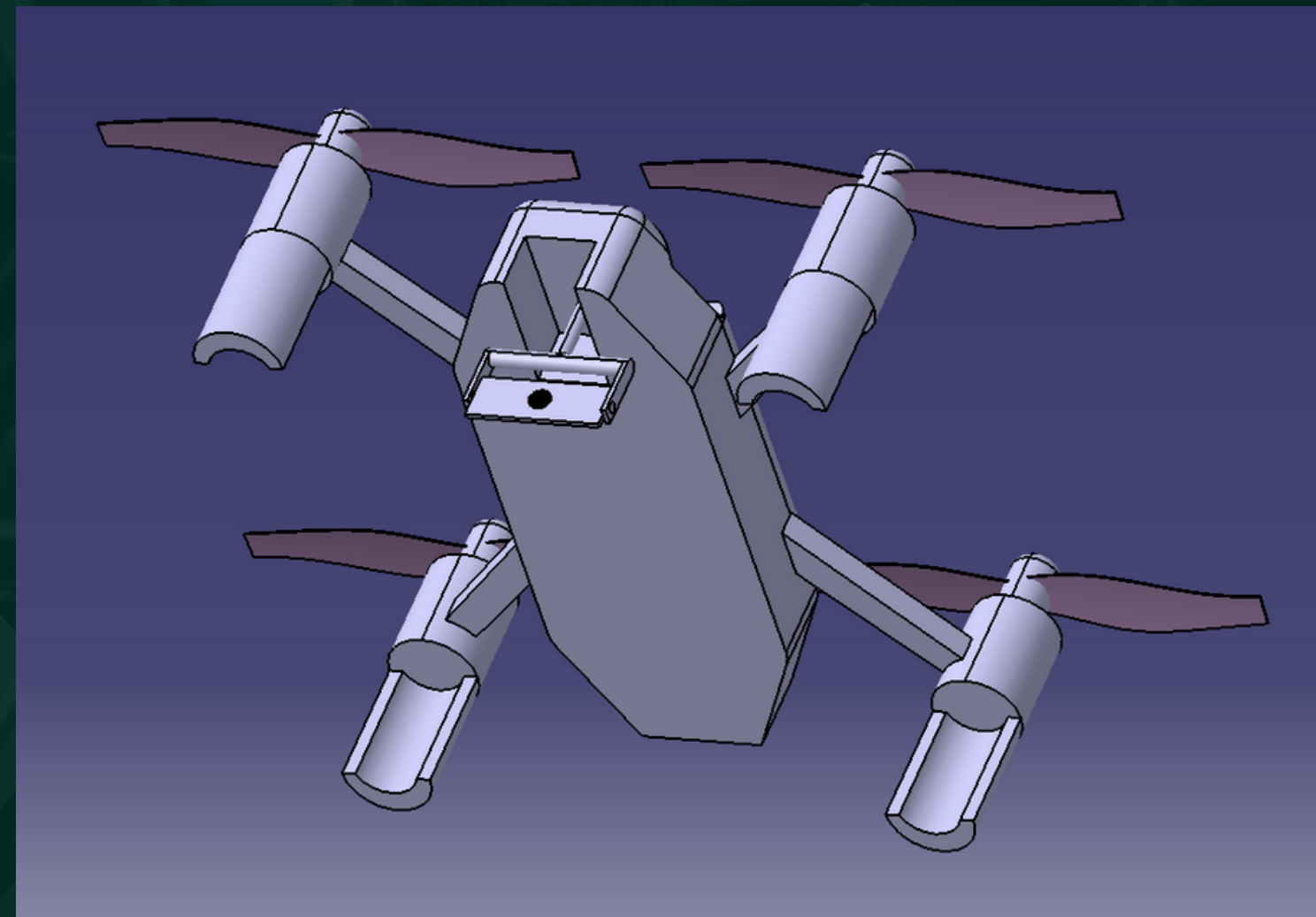
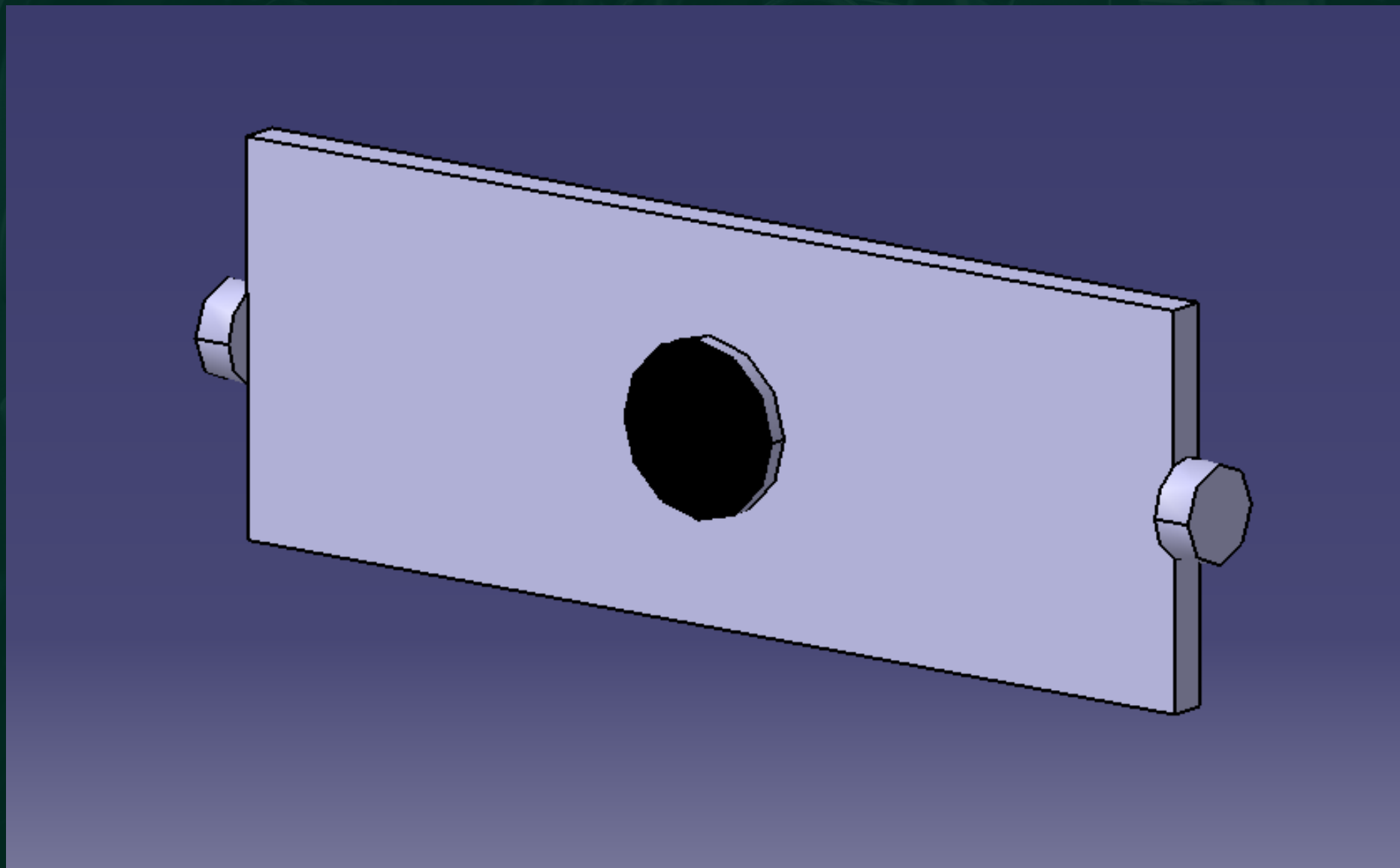


PROPELLER



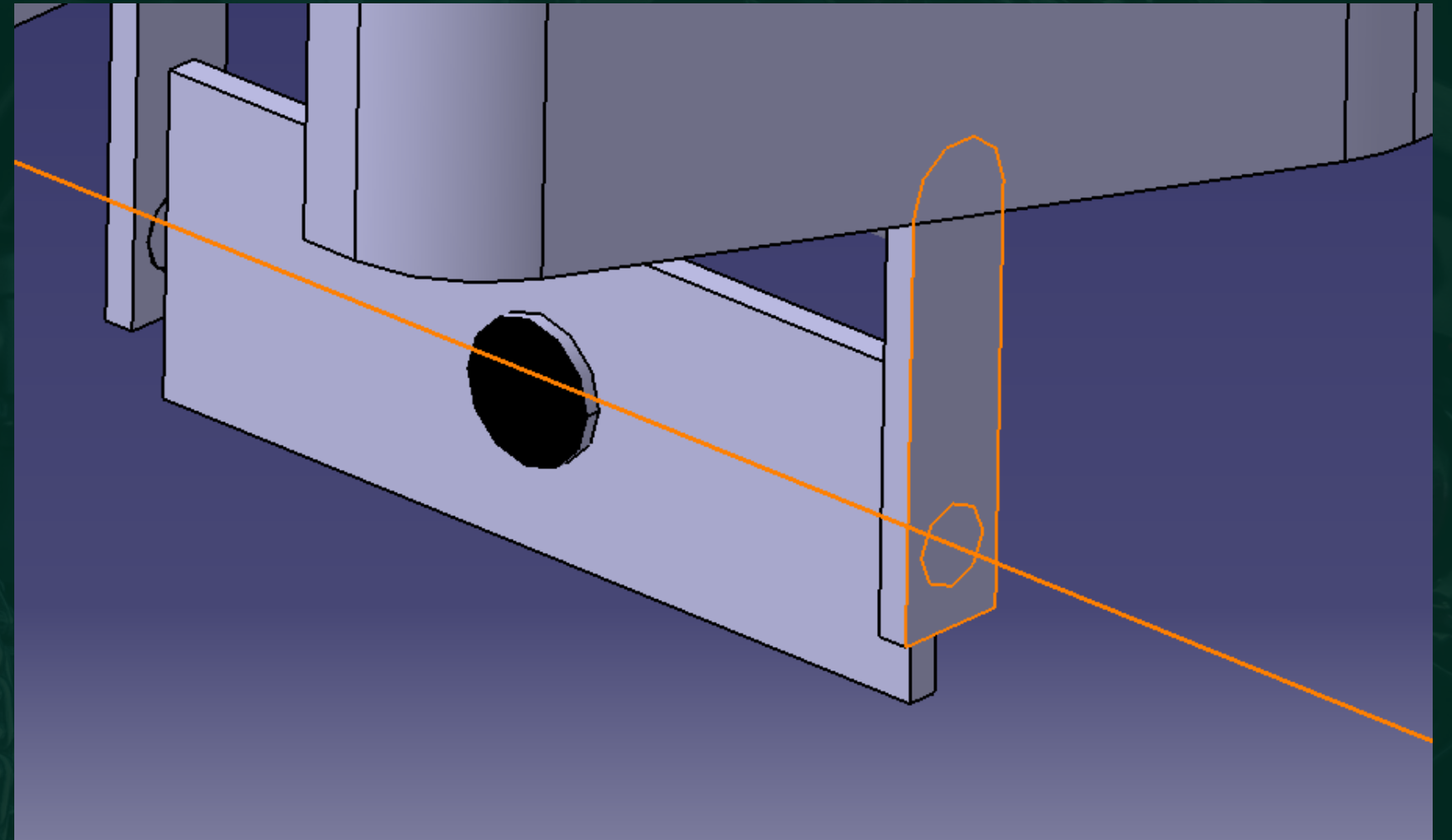
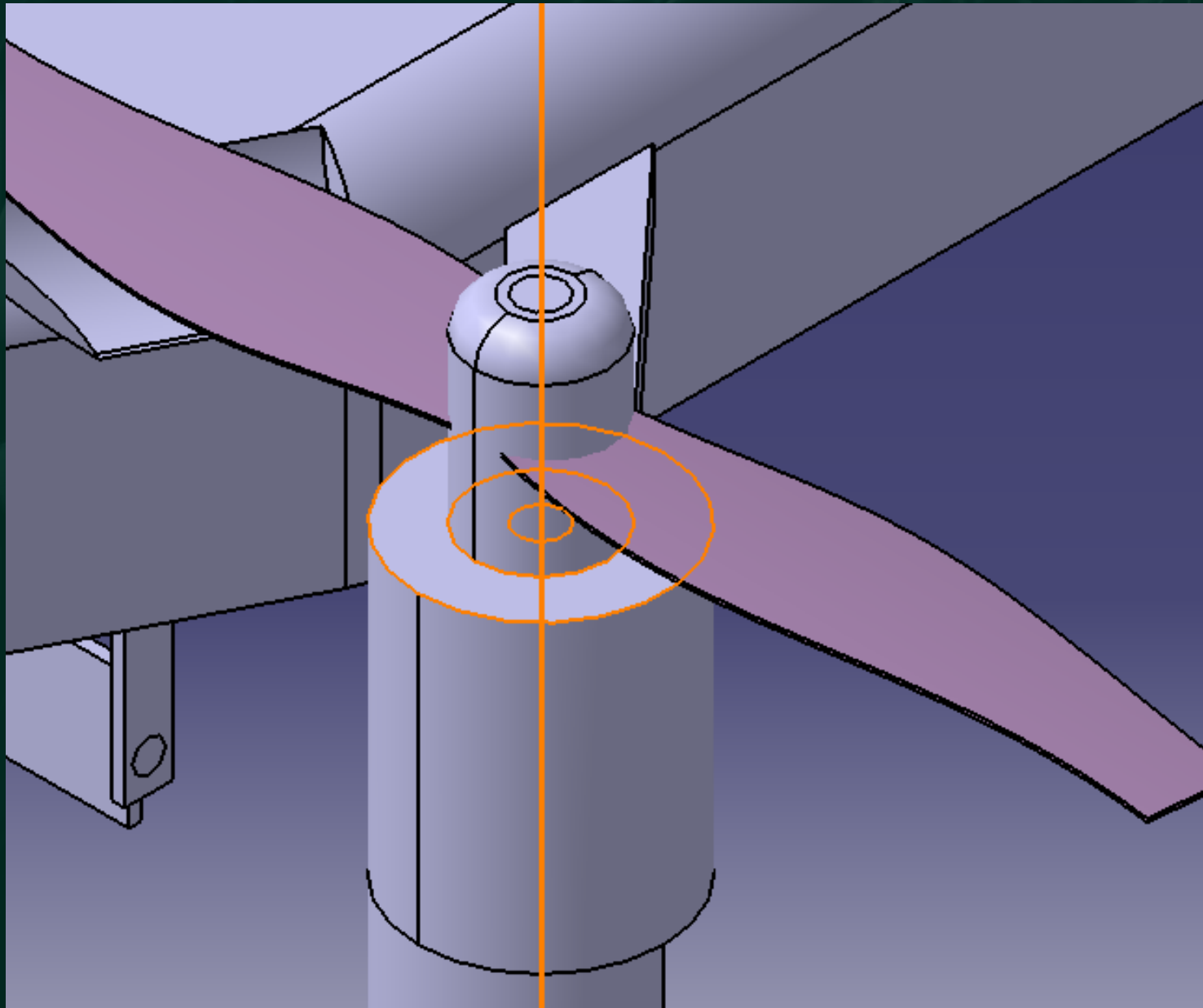


CAMERA





SIMULATION



- Fixed Part - BODY
- Revolute joint



SIMULATION

- <https://www.youtube.com/watch?v=NCSpn7g8NS4>



고찰 (아쉬운점)

- 군용 드론을 만드려 했으나 정보가 많지 않아서 일반 쿼드콥터로 진행
- Assembly design 과정에서 구속조건을 주었던 작은 부품들이 에러가 나타나서 하나의 바디로 설계함
- 드론이 비행하듯이 수직 이착륙을 구현하려 했으나 실패



감사합니다

THANK YOU