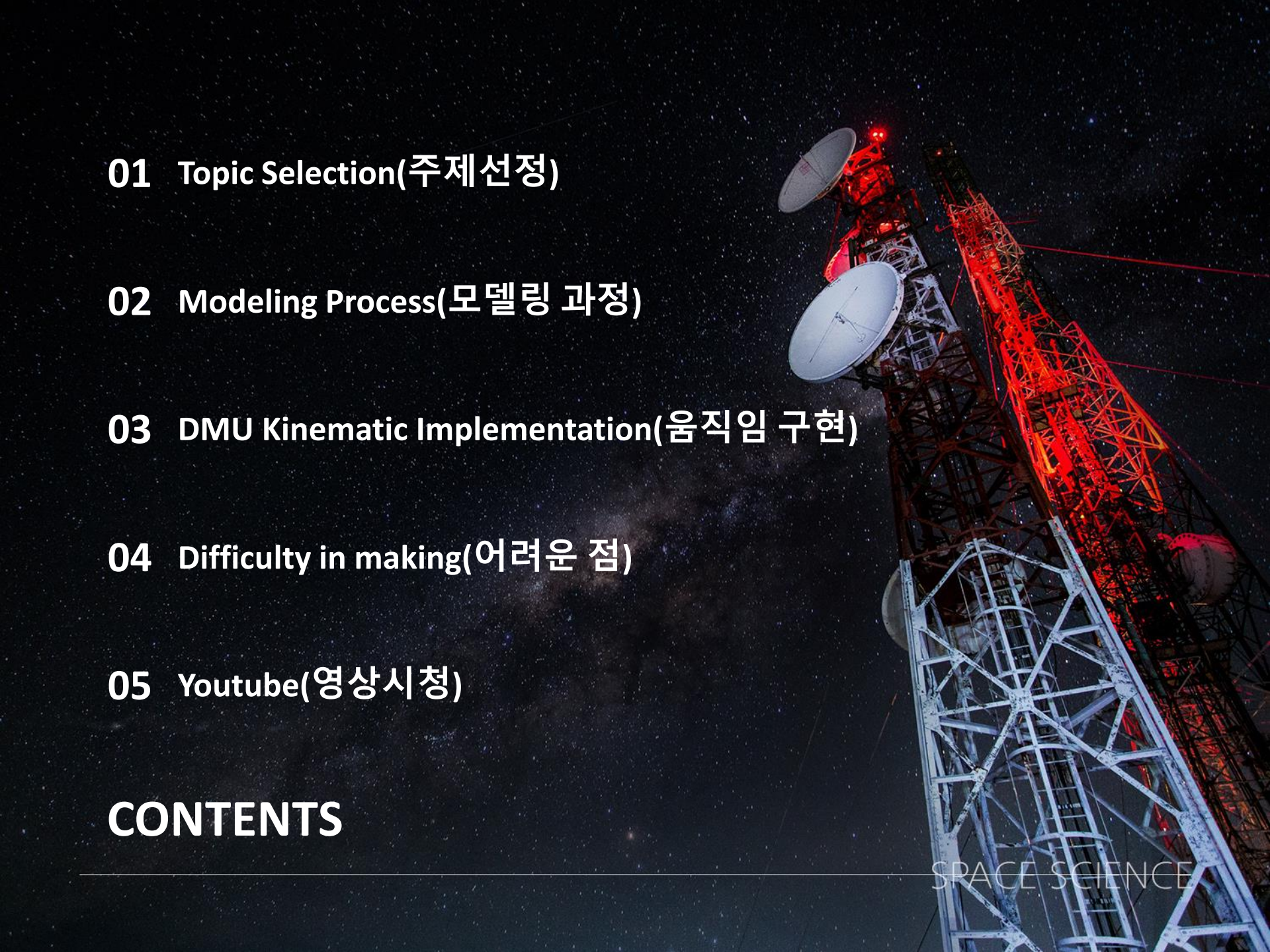
Satellite
인공위성

이름: 문동환 2019079298 ,안영균 2017037110

SPACE SCIENCE



01 Topic Selection(주제선정)

02 Modeling Process(모델링 과정)

03 DMU Kinematic Implementation(움직임 구현)

04 Difficulty in making(어려운 점)

05 Youtube(영상시청)

CONTENTS

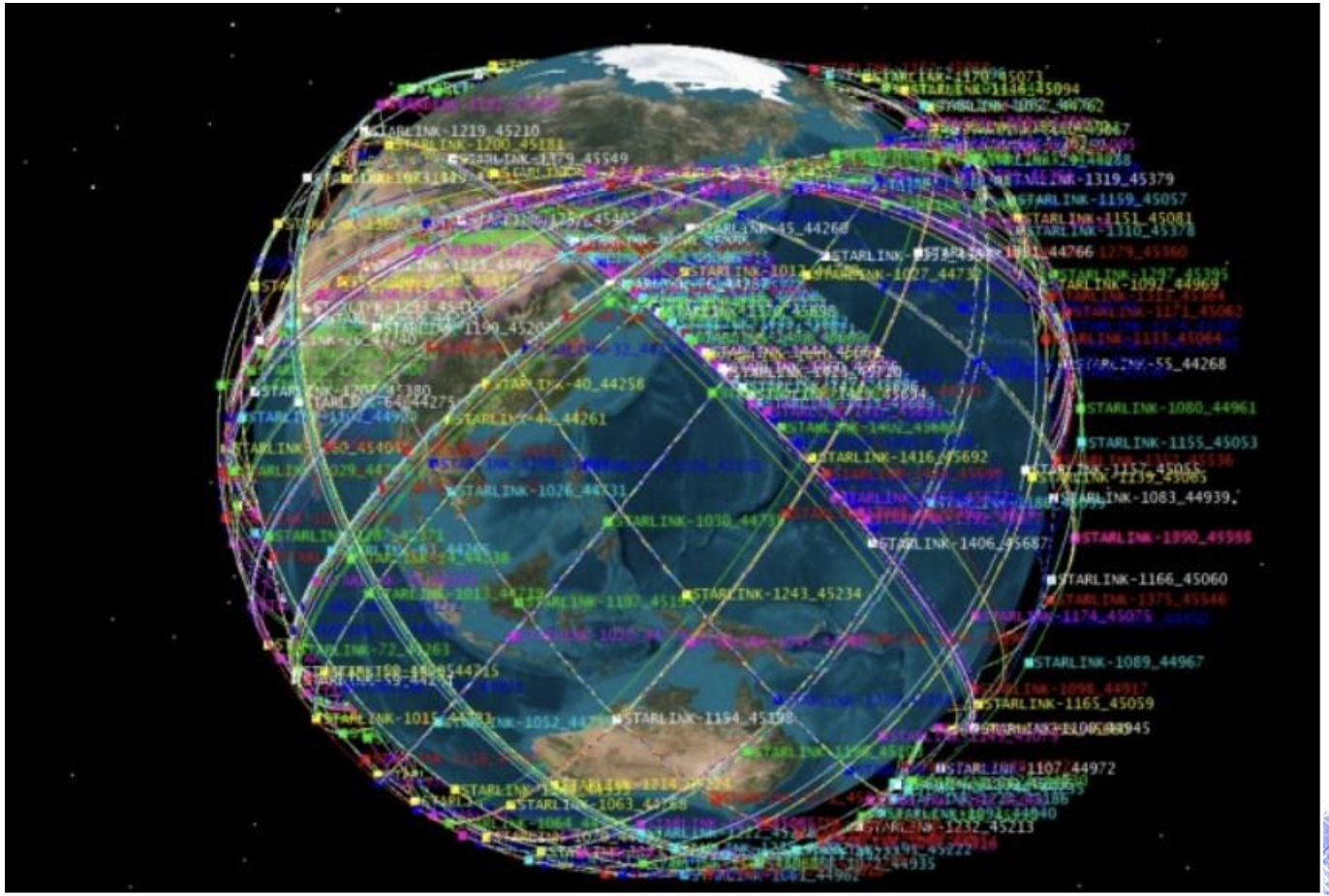
SPACE SCIENCE

01 Topic Selection

주제선정

1. 테슬라의 스타링크
2. 우주산업 가치 상승
3. 대한민국 우주산업 규모 확대의 필요성

1-1. 테슬라의 스타링크

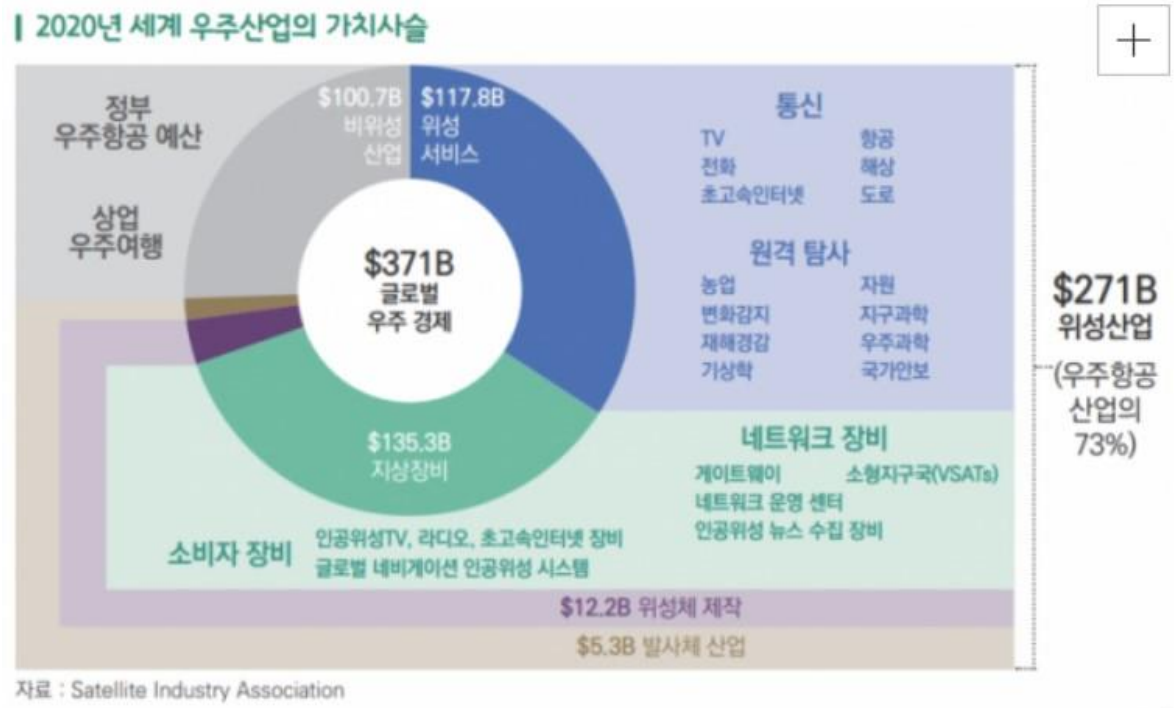


출처: 동아사이언스 https://m.dongascience.com/news.php?idx=39527

1-2. 우주산업 가치상승

SPACE SCIENCE

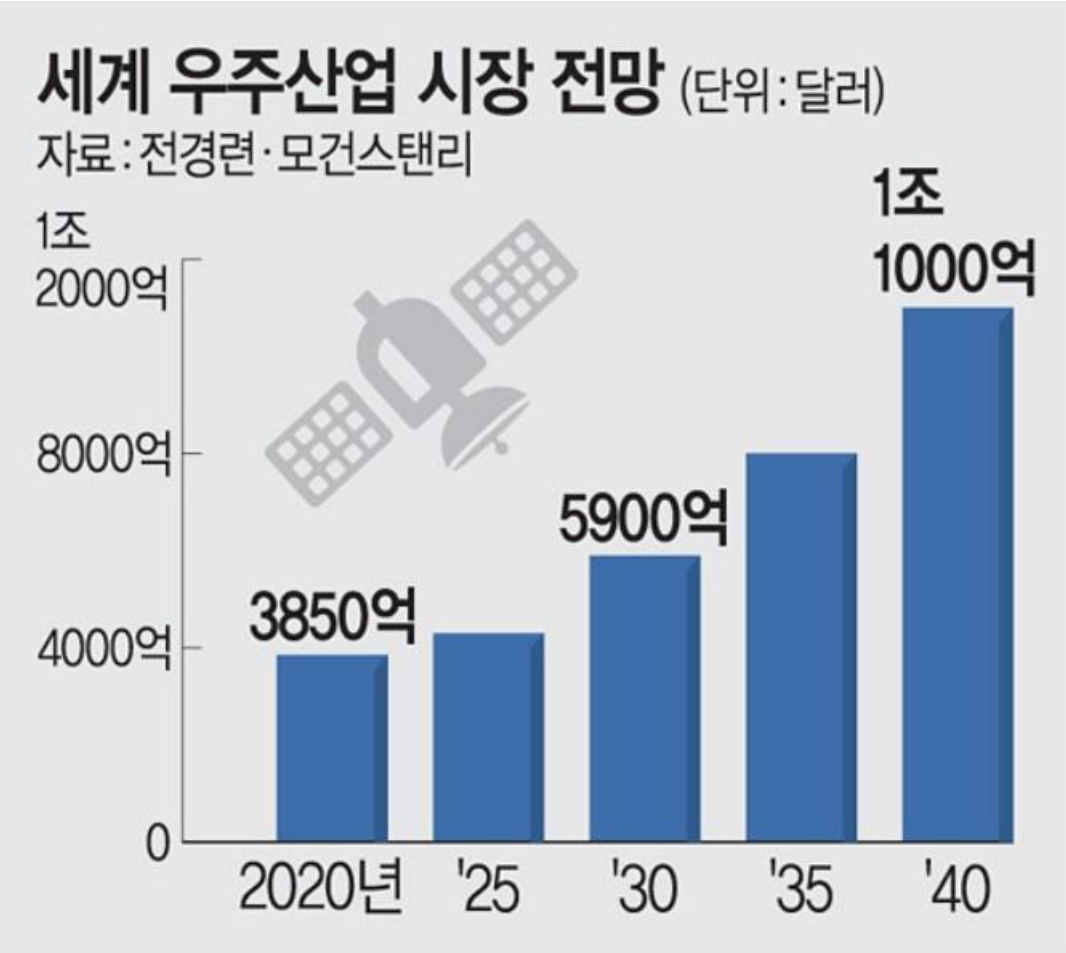
2020년 세계 우주산업의 가치사슬

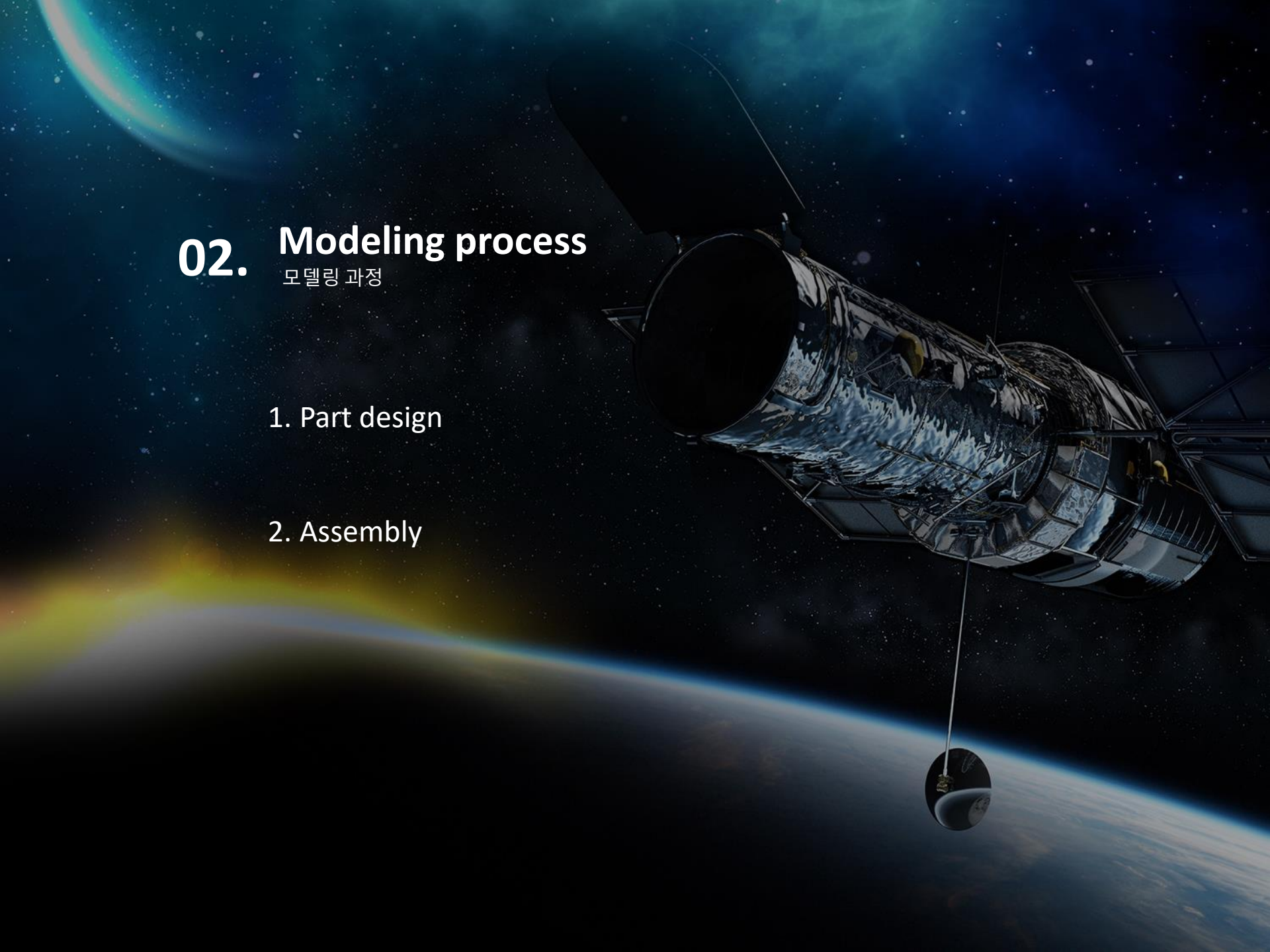


▲2020년 세계 우주산업의 가치사슬 (사진제공=무역협회)

1-3. 대한민국 우주산업 확대의 필요성

SPACE SCIENCE



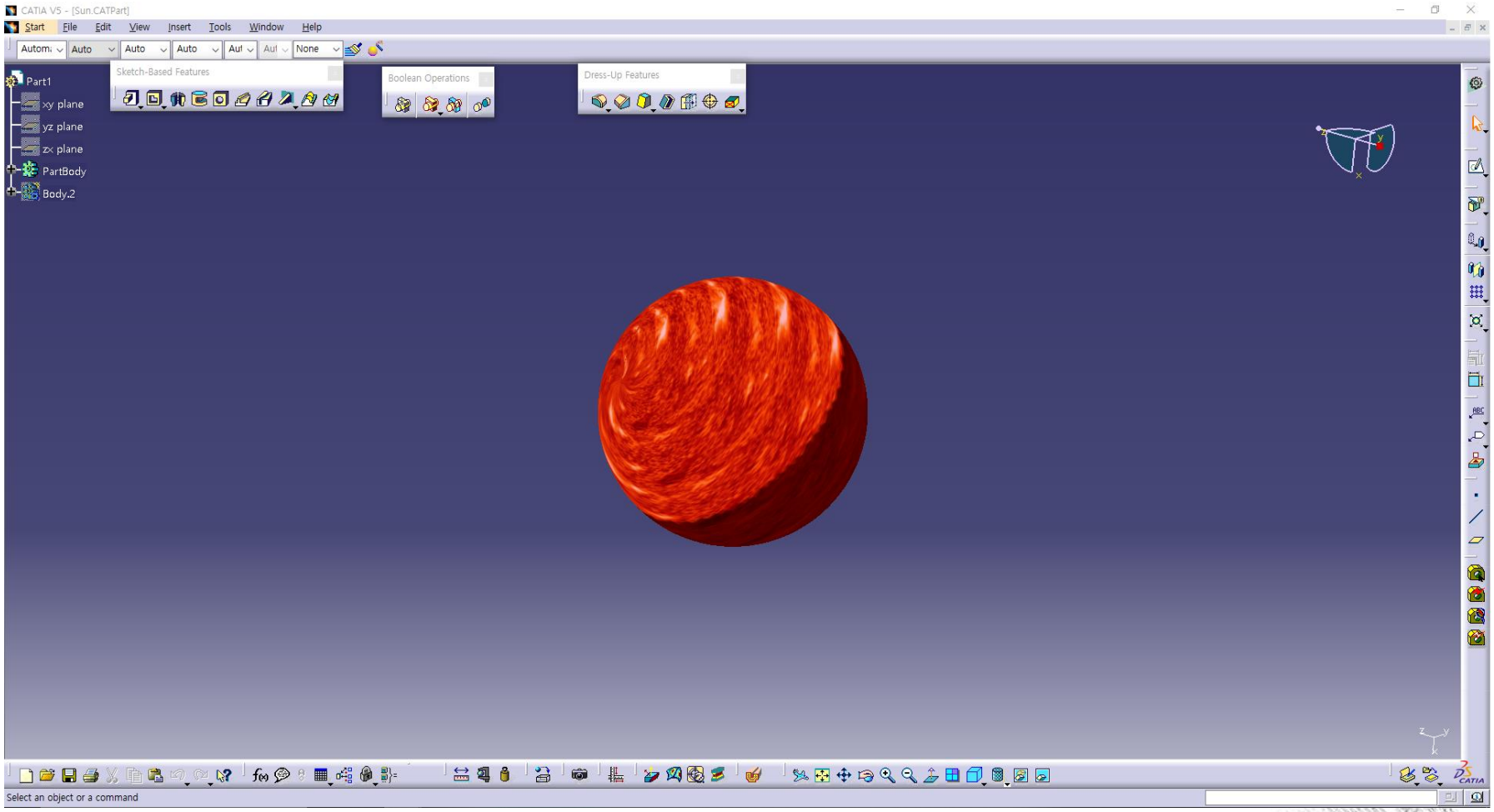


02. Modeling process
모델링 과정

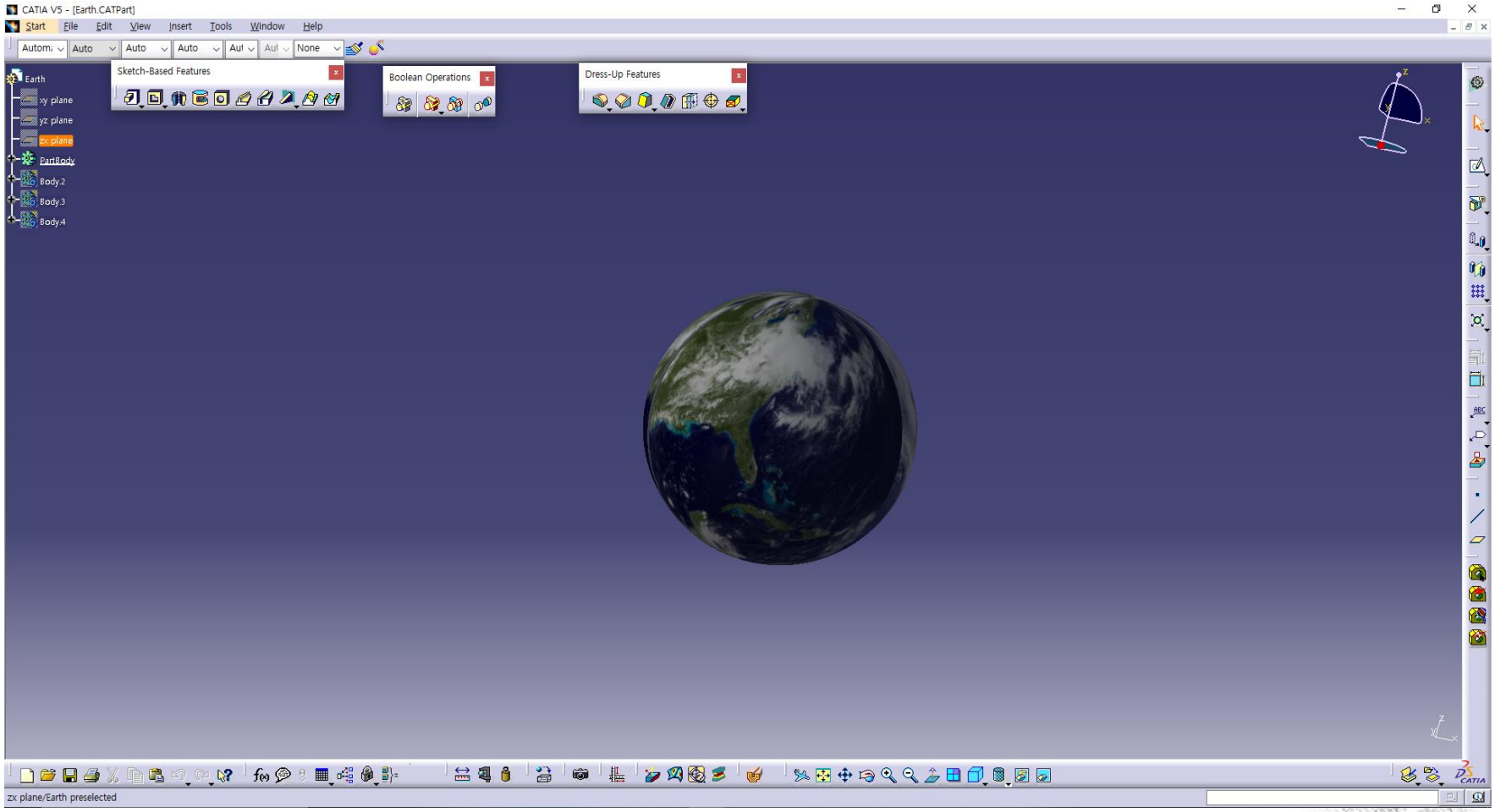
1. Part design

2. Assembly

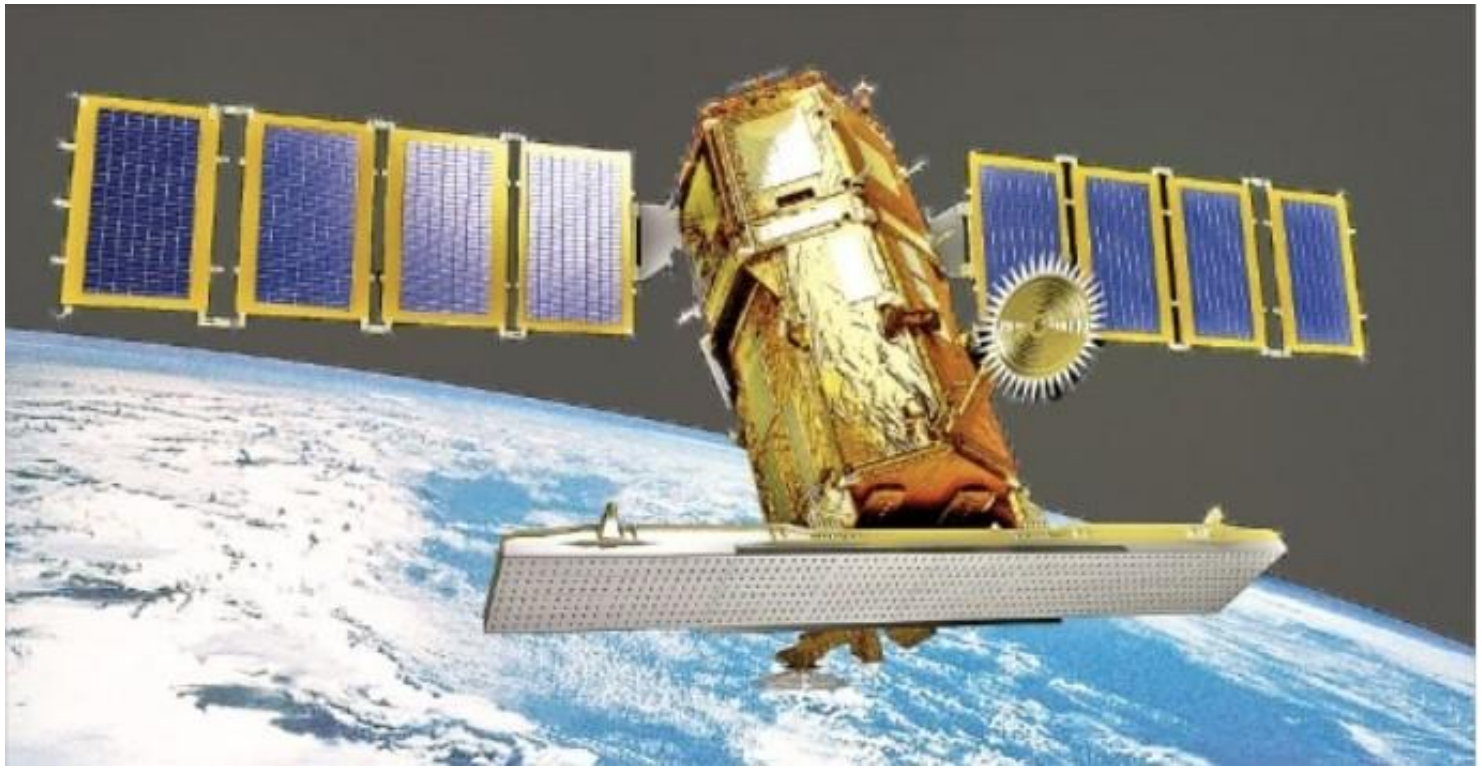
1. Part-Design Sun



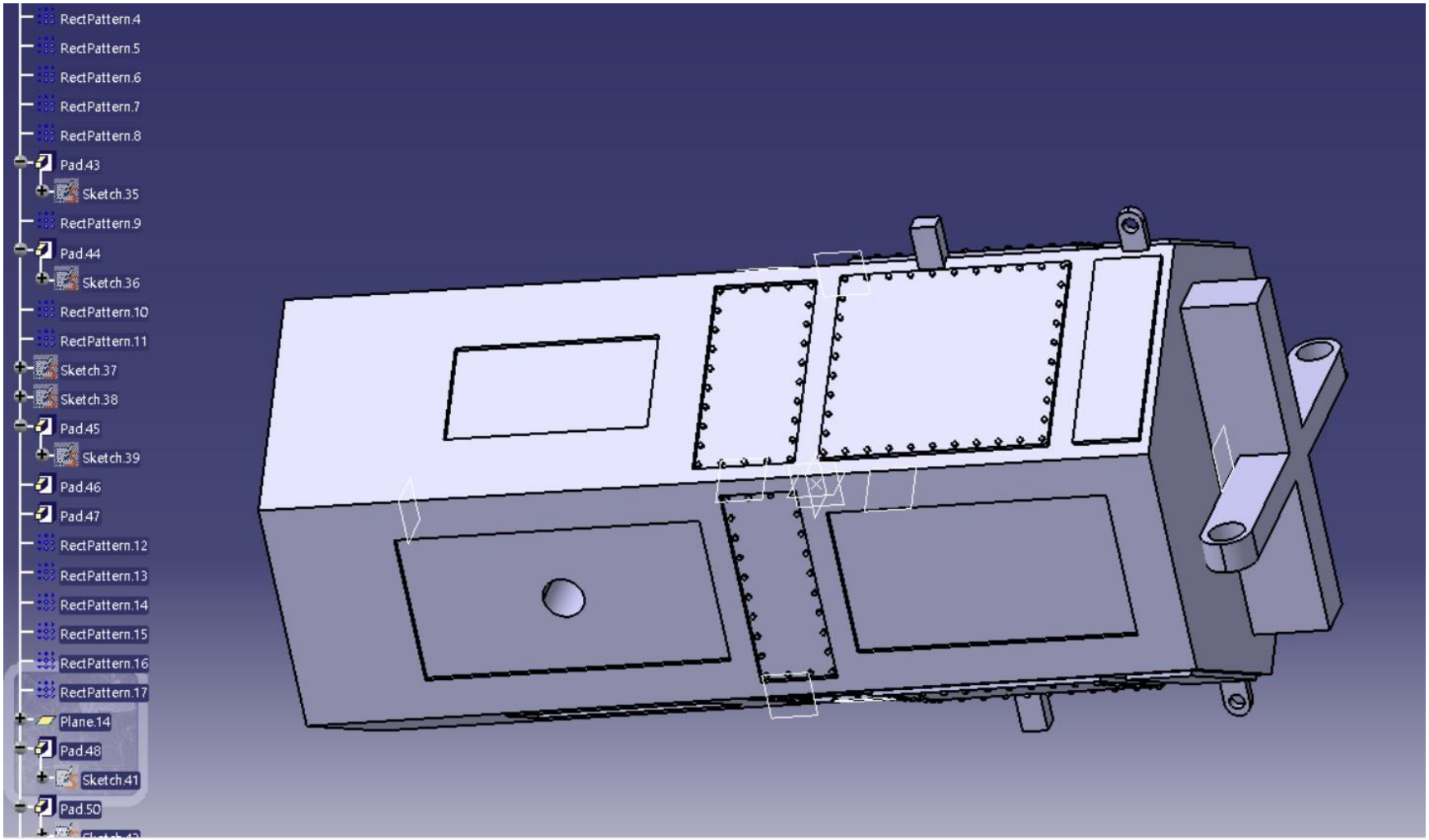
1. Part-Design (Earth)



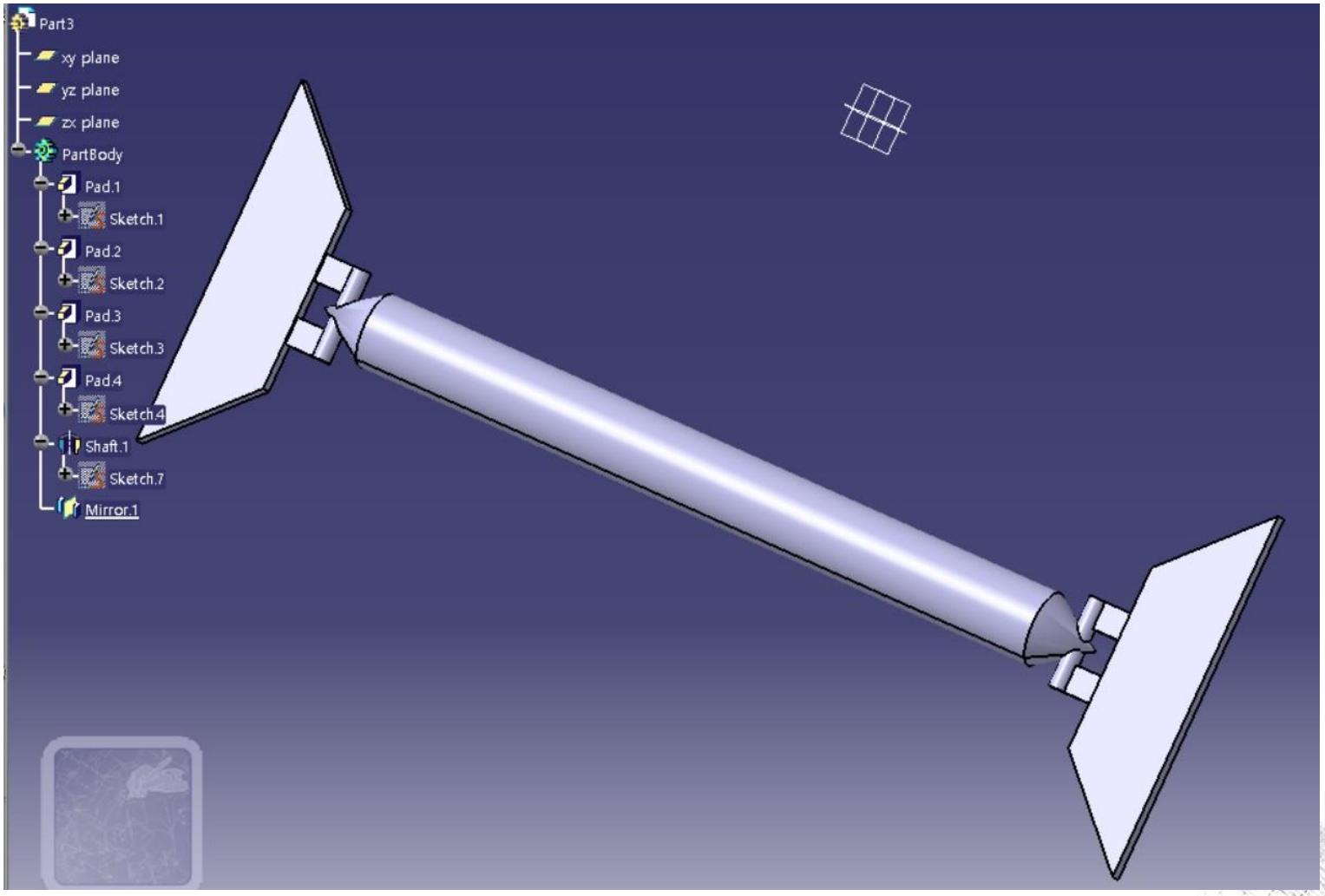
1. Part-Design 참고 사진



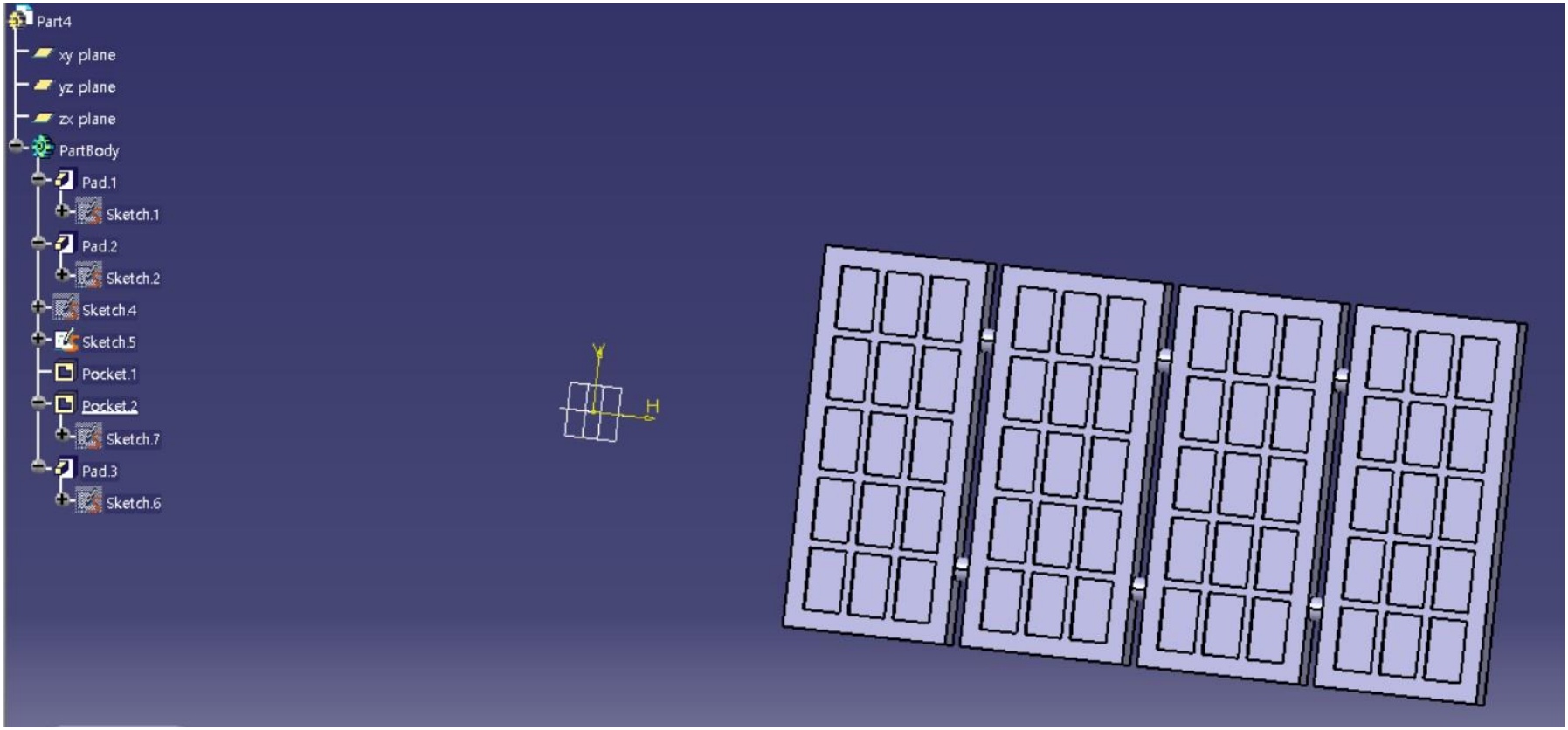
1. Part-Design (Satellite Body)



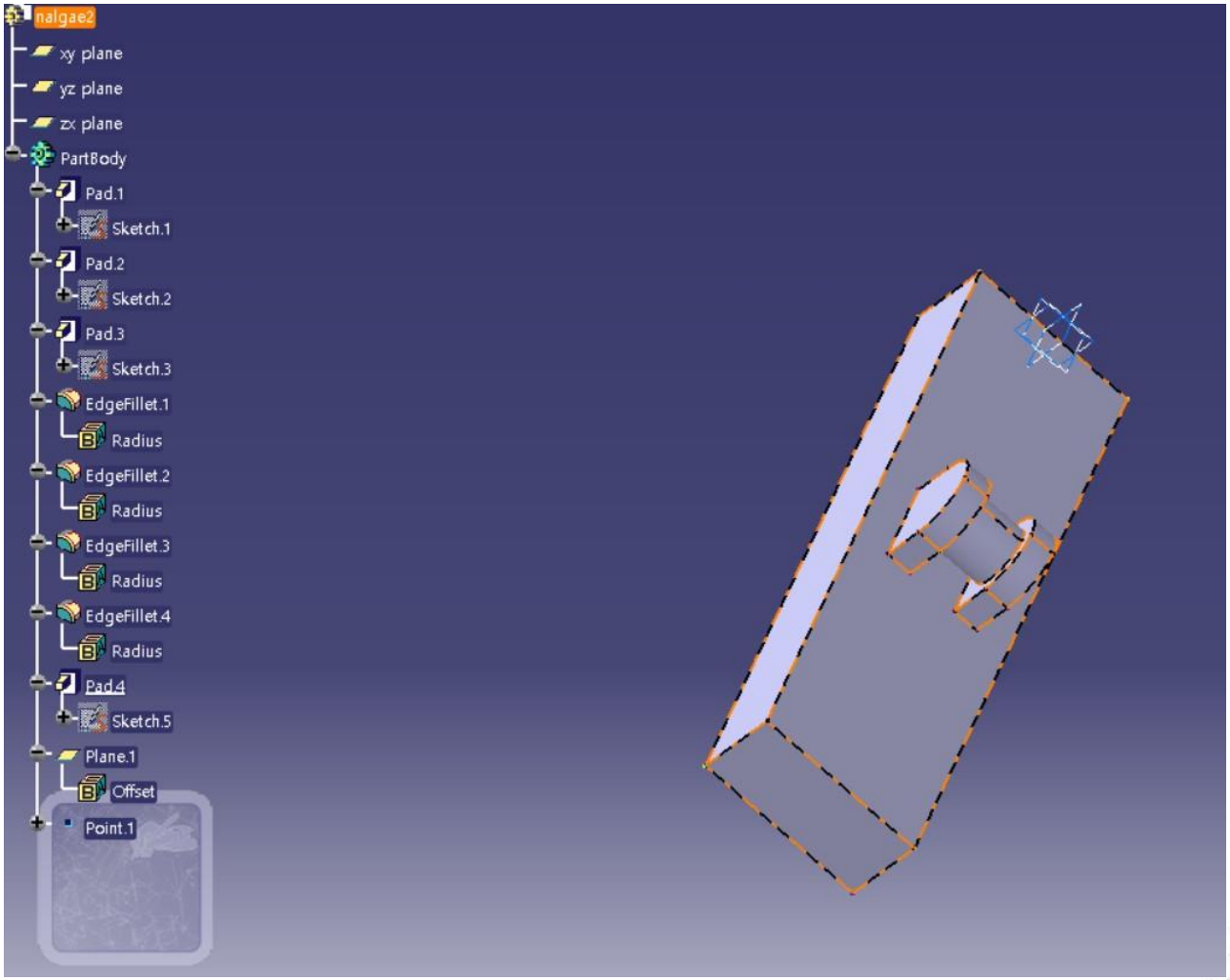
1. Part-Design (Connection rod)



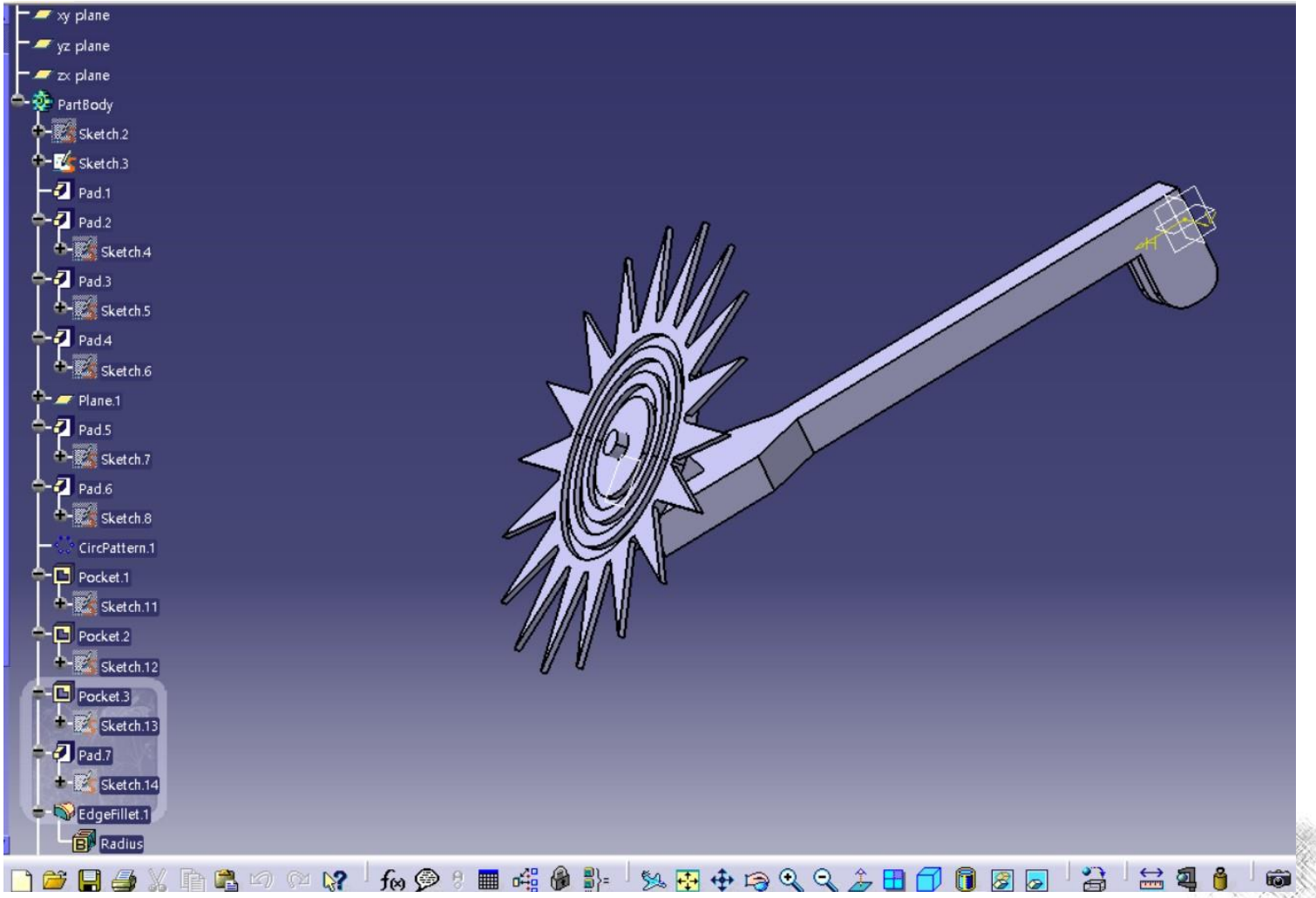
1. Part-Design (Solar Panel)



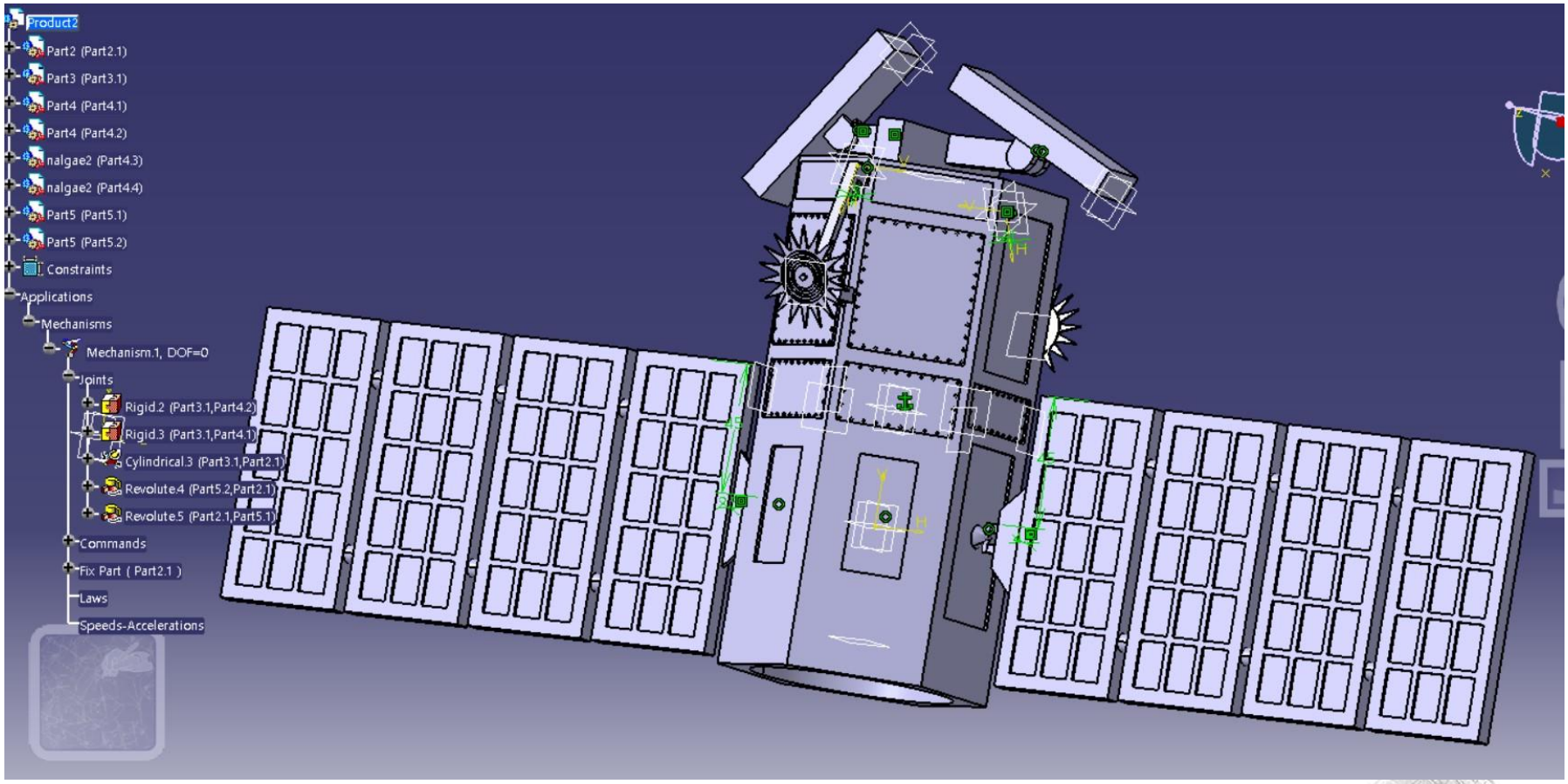
1. Part-Design (connection rod2)

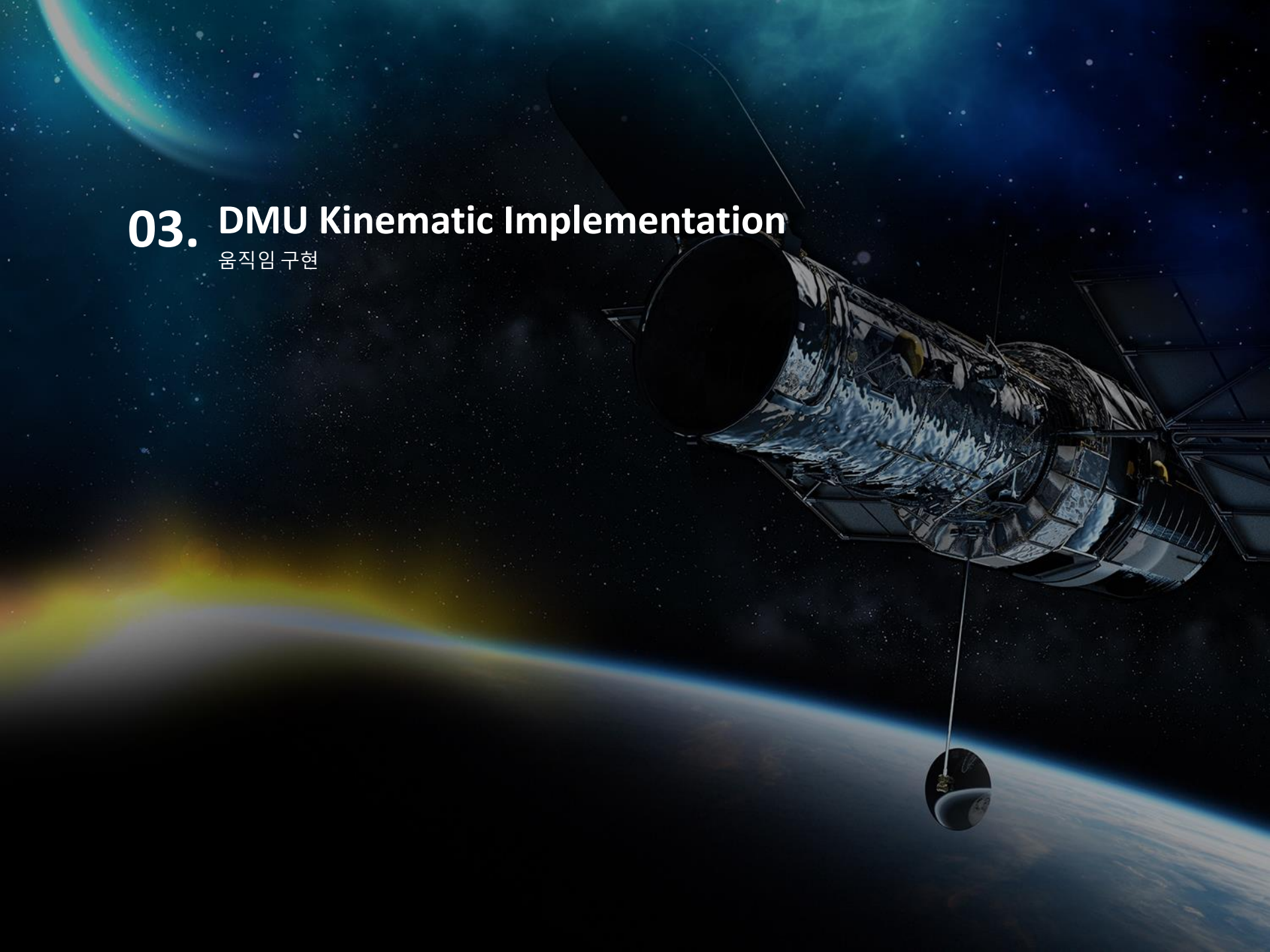


1. Part-Design (Connection rod3)



2. Assembly (Satellite)

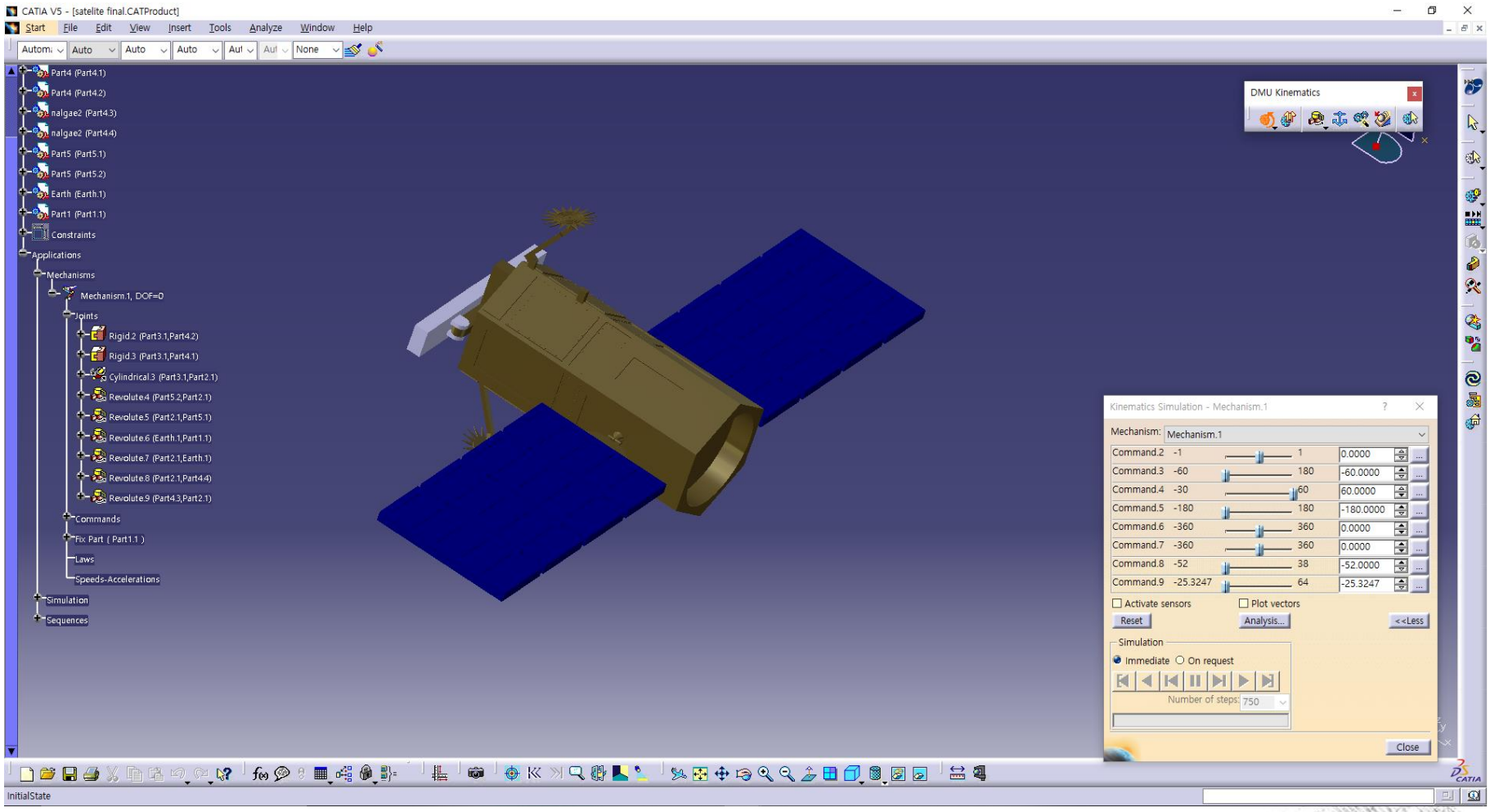




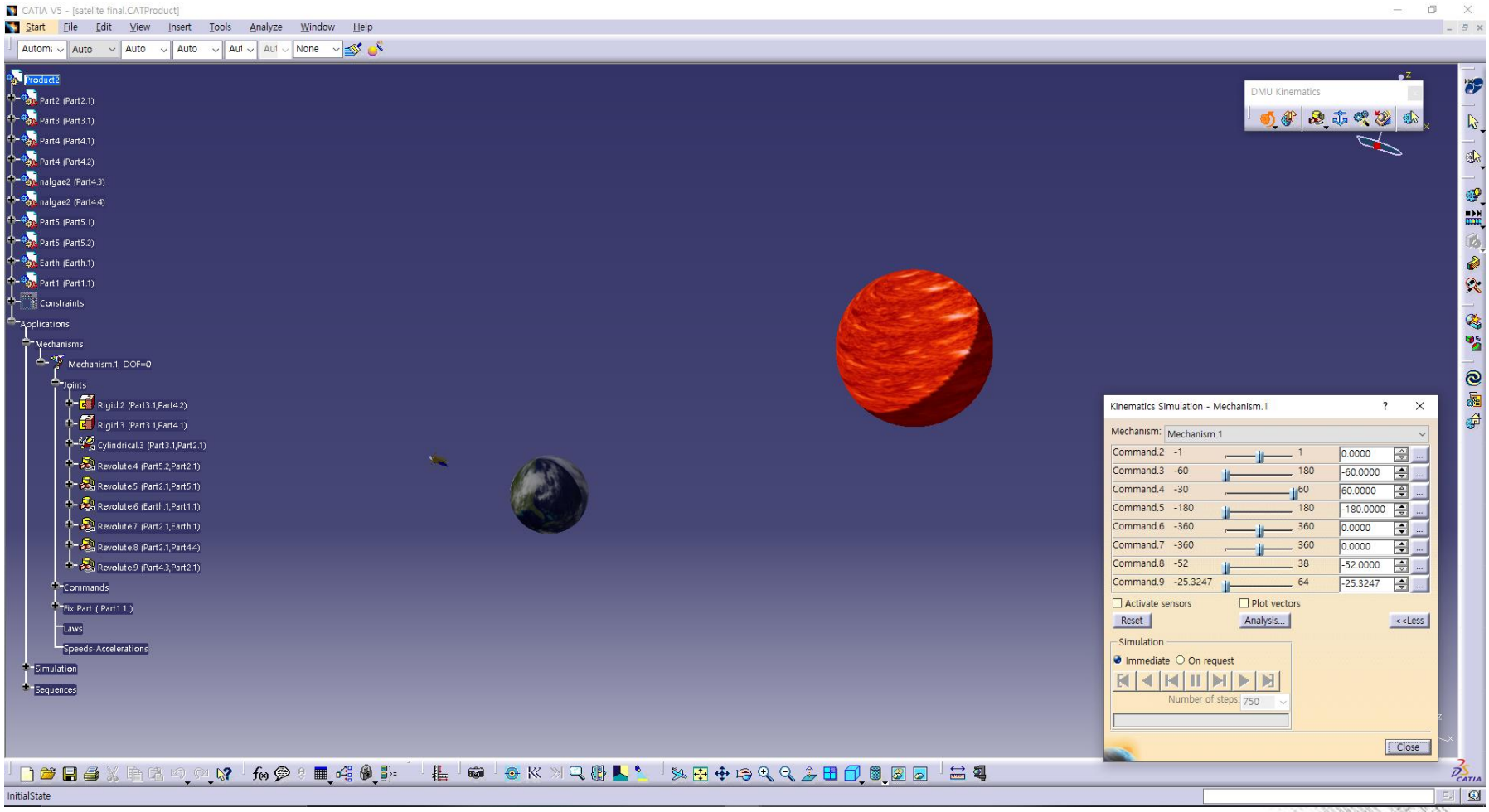
03. DMU Kinematic Implementation

움직임 구현

3. DMU Kinematic implementation



3. DMU Kinematic implementation



04. Difficulty in making

어려운 점

4. Difficulty in making

실제 인공위성 크기 VS Modeling 인공위성의 크기를 조절

1. 지구와 인공위성의 공전과 자전을 표현하는데 시행착오를 겪음

2. 태양과 지구 인공위성 3개의 part를 Assemble하여 DMU로 만들기까지 여러 시행착오를 겪음

05 Youtube(영상시청 및 질의응답)

링크:https://www.youtube.com/watch?v=9_M6AW0qjn4

6. Reference

1. *Go.J.W 20.09.04 스타링크 위성 인터넷, 온라인게임*HD 영화 즐긴다..LTE급 속도동아사이언스 https://m.dongascience.com/news.php?idx=39527*
2. *Choi.I.Y 2013.08.23 전천후 실용위성‘아리랑5호‘ 러시아 에서 발사 https://www.hankyung.com/international/article/2013082319228*
3. *천문우주지식정보 https://astro.kasi.re.kr/learning/pageView/5138 (지구 사진)*
4. *O.C.W 12.03.21 태양폭발 우주 잦아진 이유. 사이언스 온. http://scienceon.hani.co.kr/32723 (태양사진)*


THANK YOU