

River View



브릿지메이트

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- Project planning
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 - Part design
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Topic selection

랜드마크와 관광 명소

(교통 시스템과 엔지니어링을 겸비한)

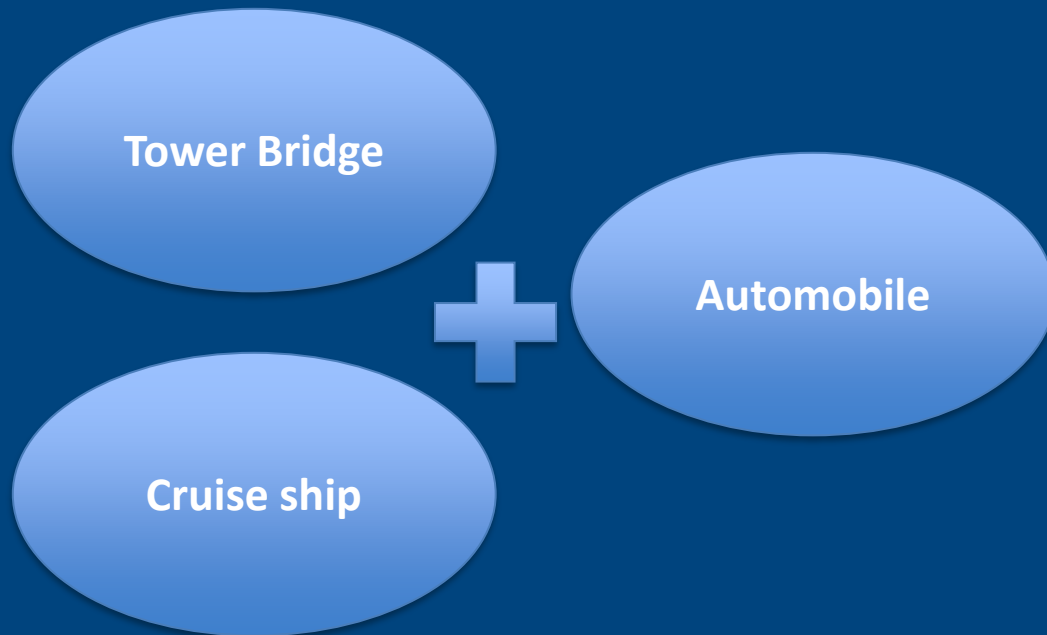


Topic selection

역사적인 중요성



Project planning



영국 타워브릿지
실시간 교통 시스템
모션 구현

Project planning



박건우

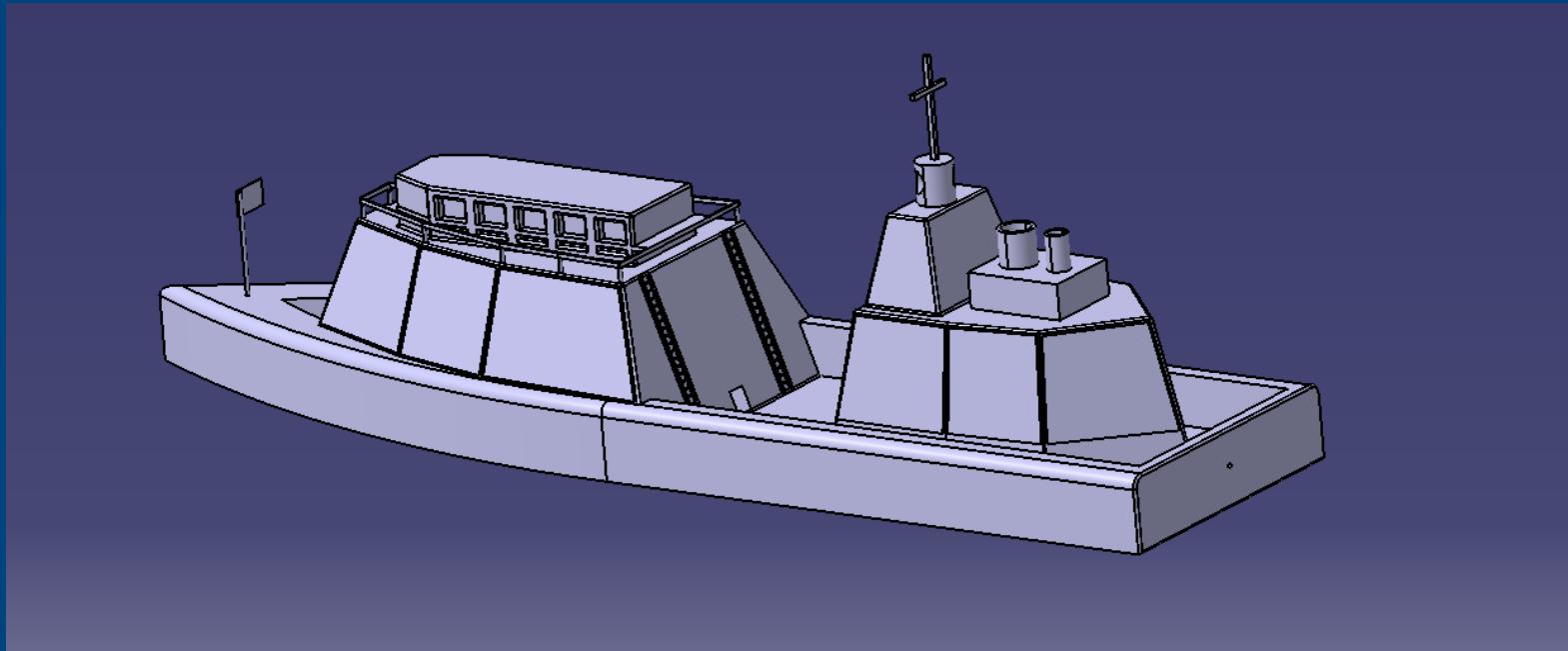
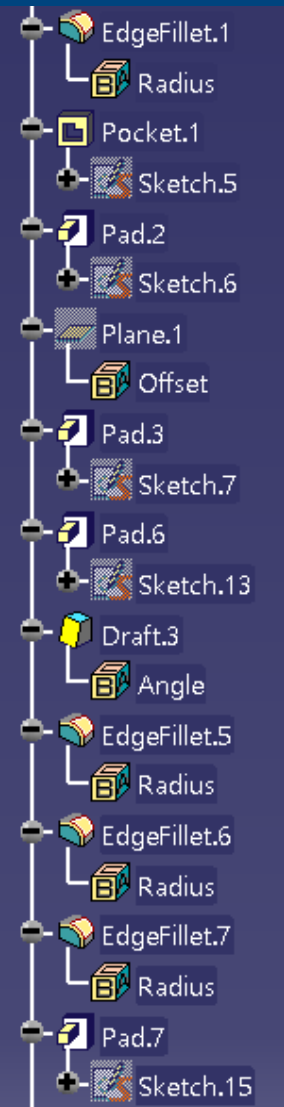
Cruise ship Part
PPT making
Presentation preparation



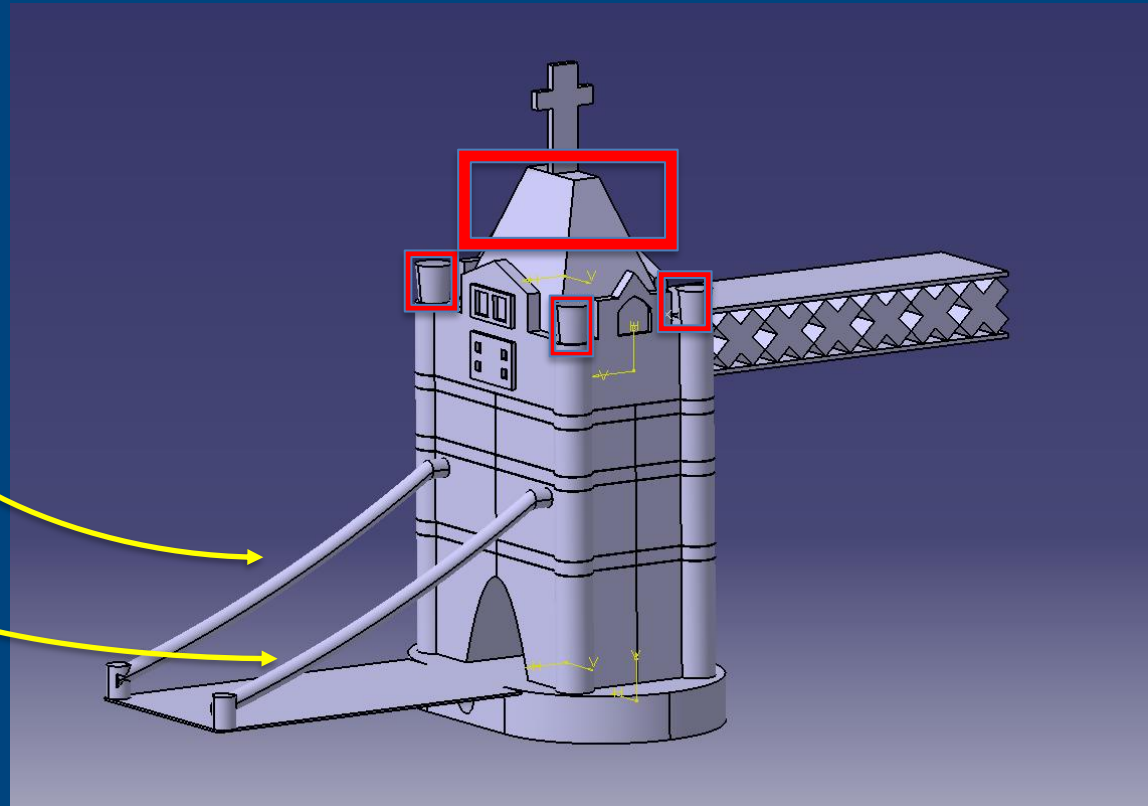
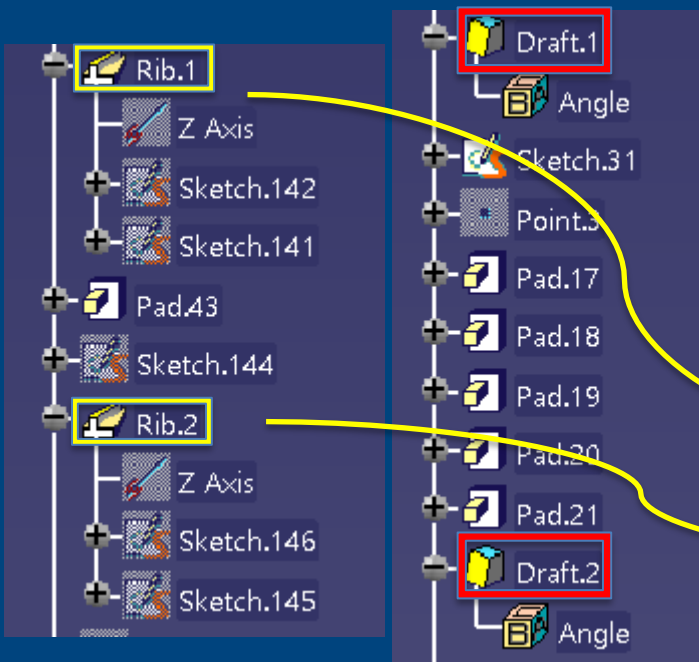
진철규

Tower bridge Part
Automobile Part
DMU kinematics

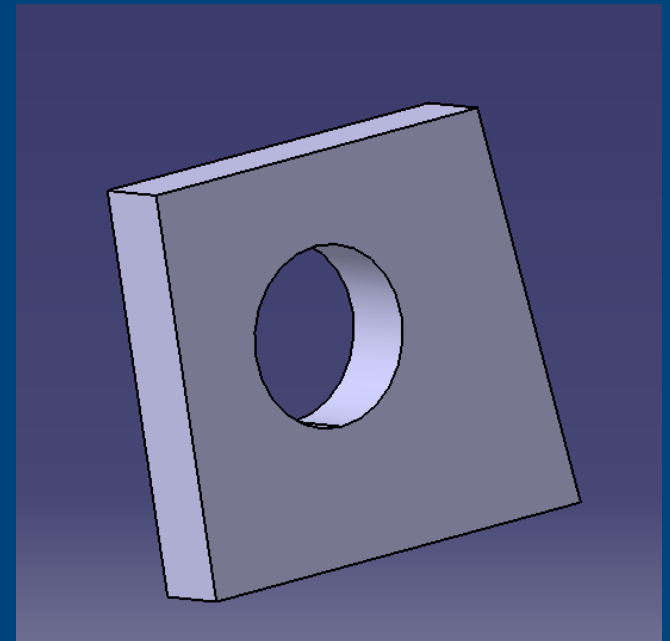
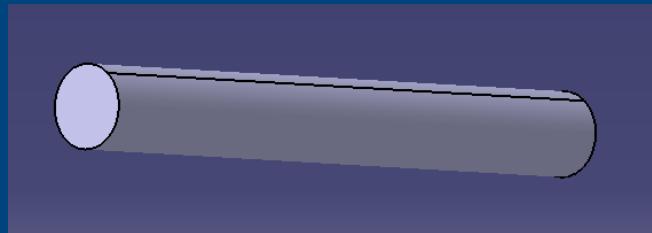
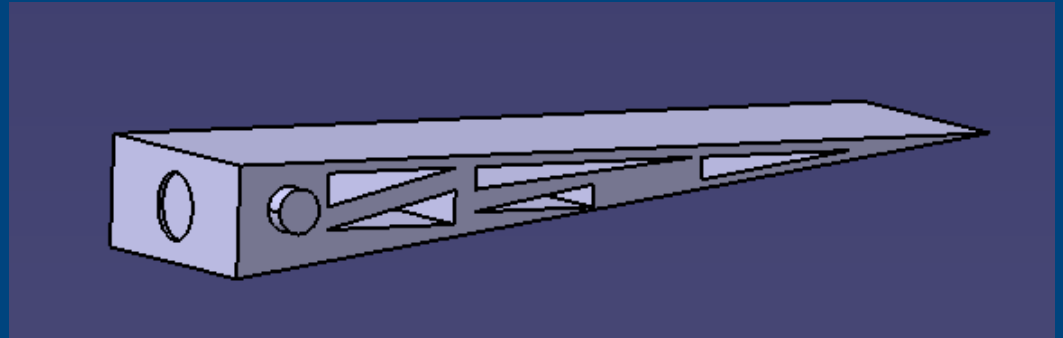
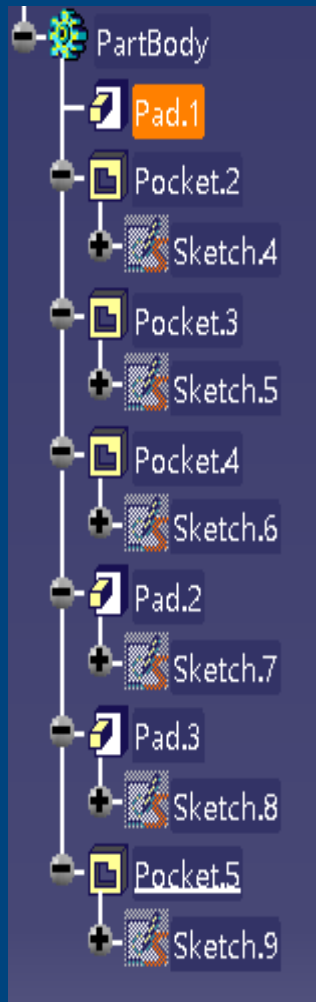
Modeling process - Part design



Modeling process - Part design

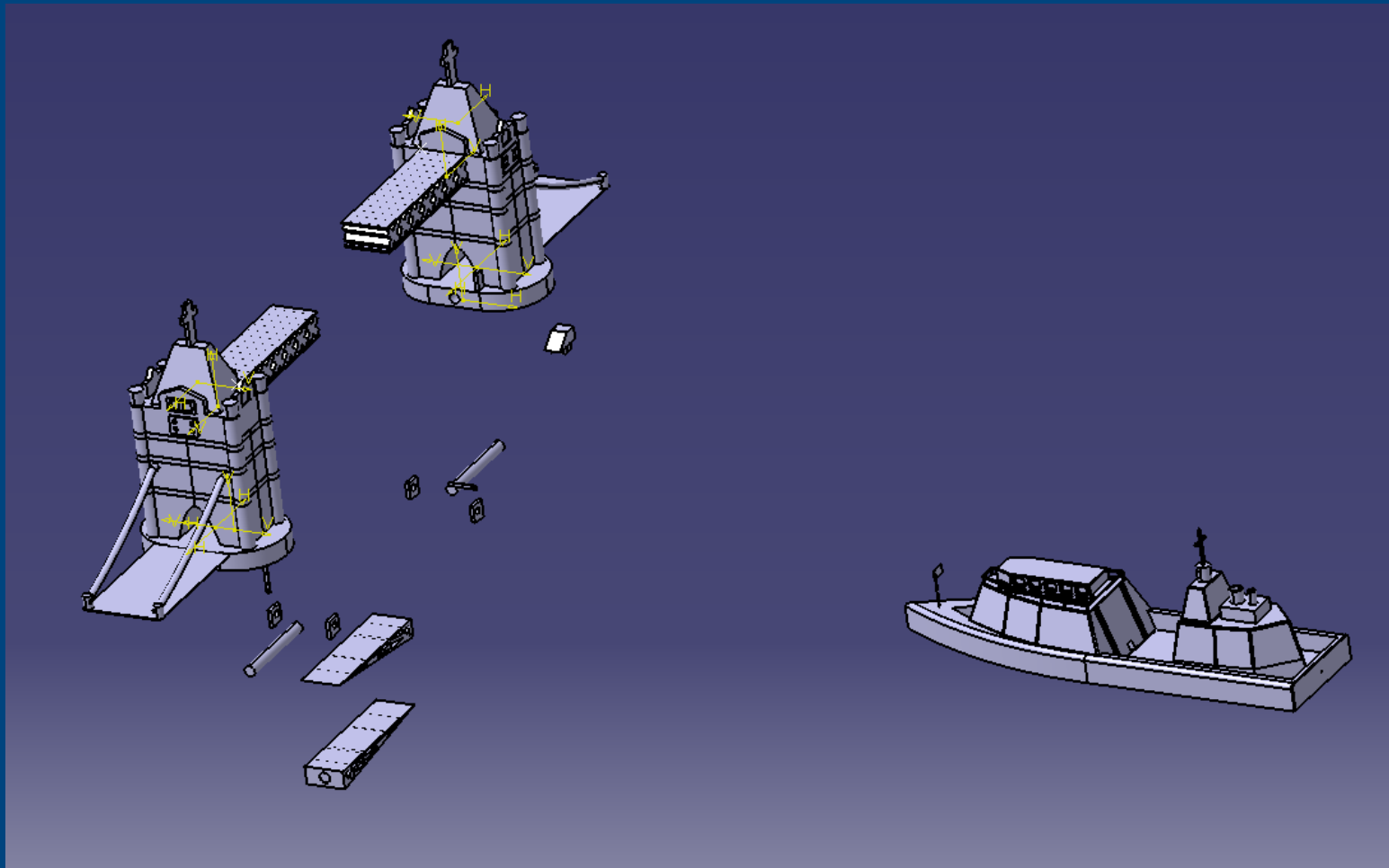


Modeling process - Part design



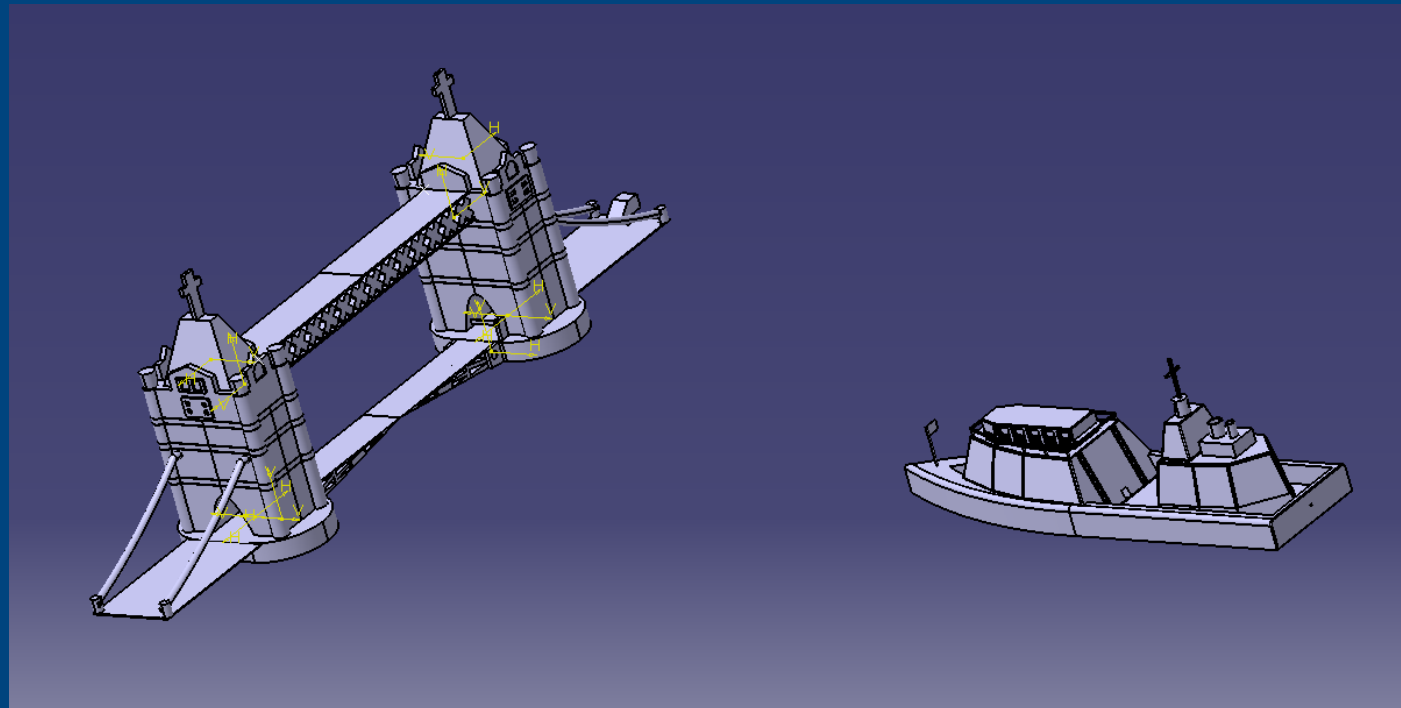
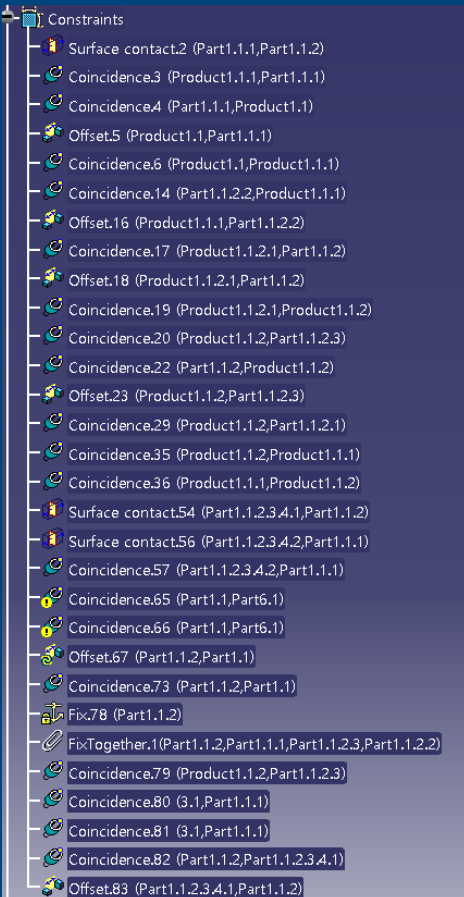
Modeling process- Assembly design

Before

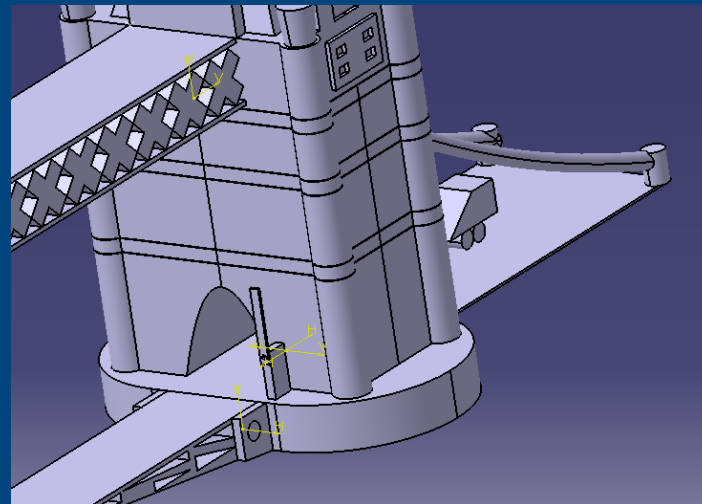
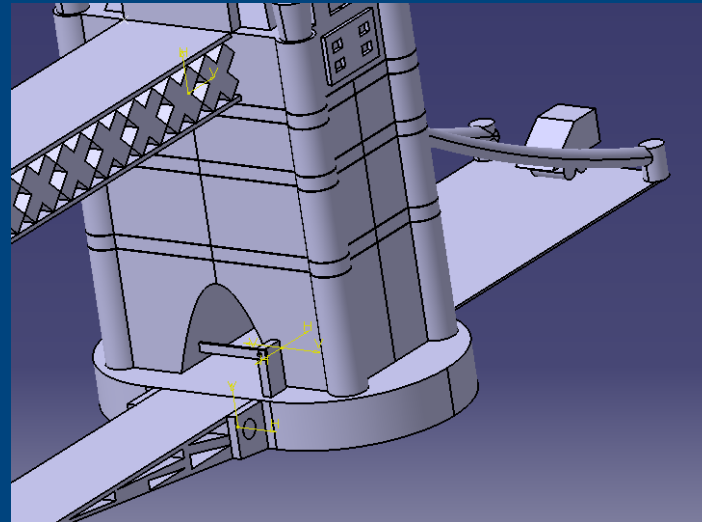
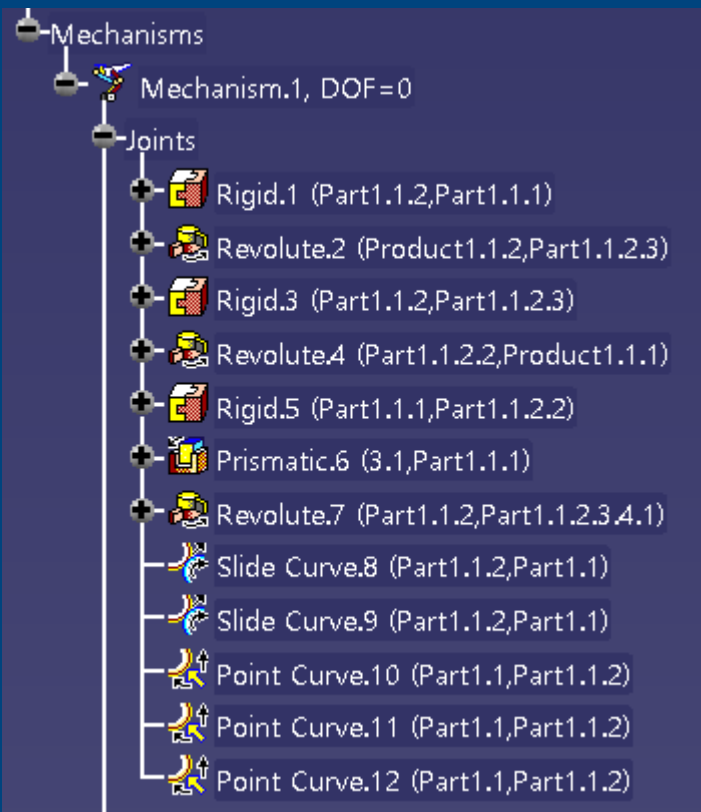


Modeling process- Assembly design

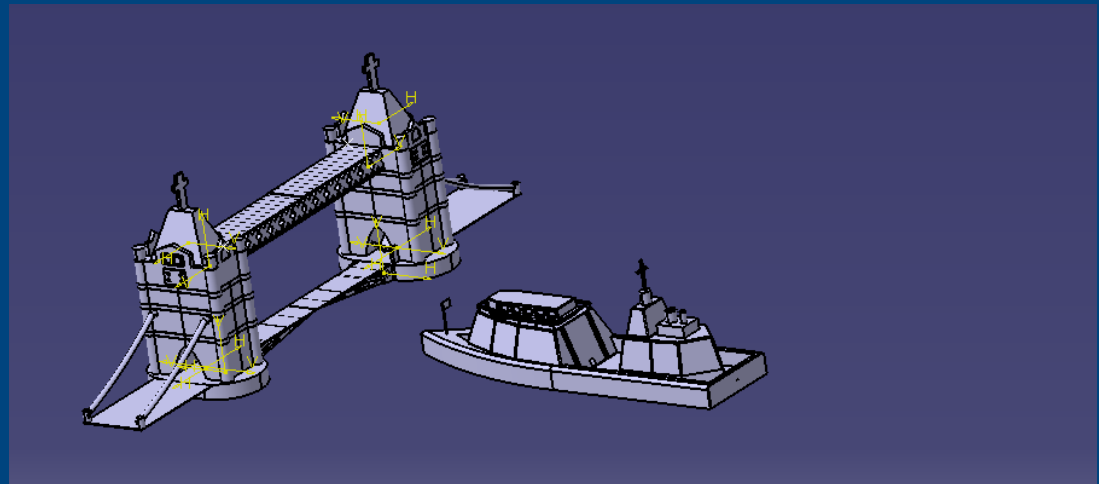
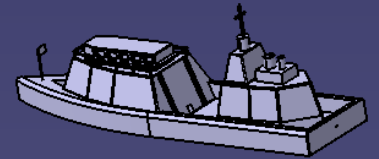
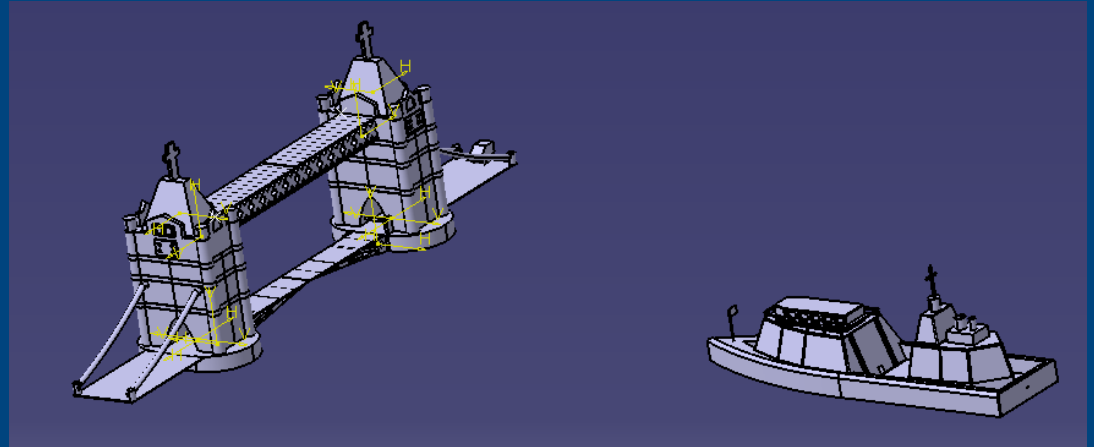
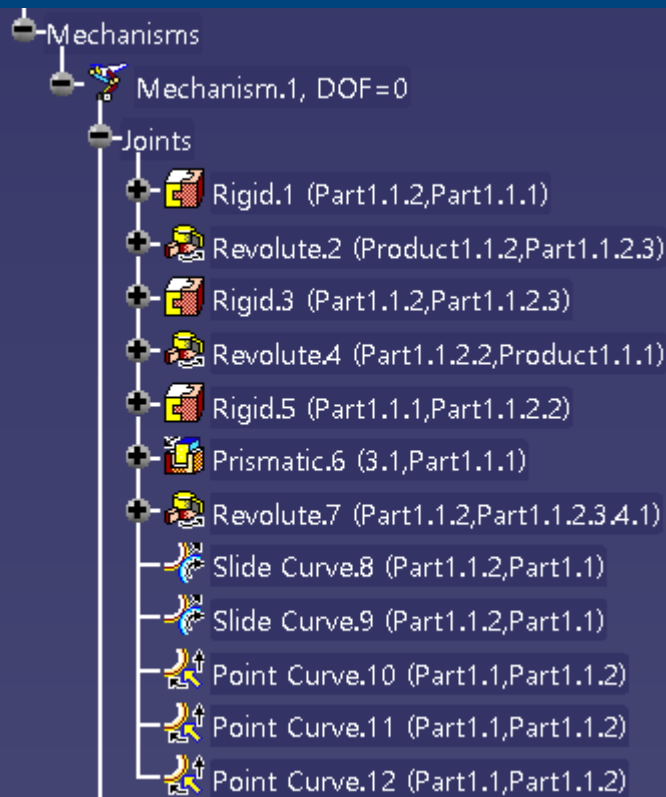
After



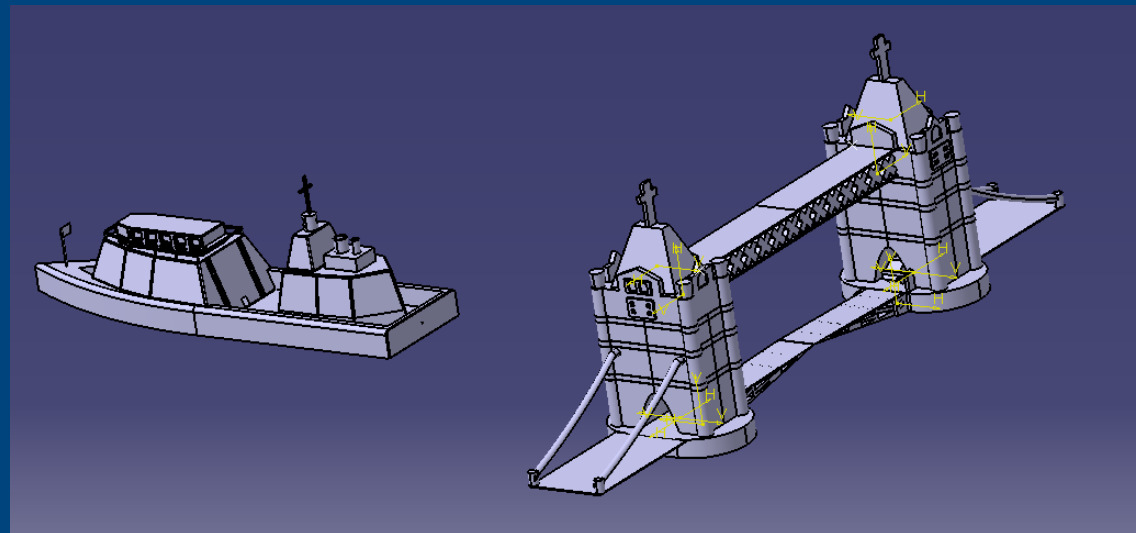
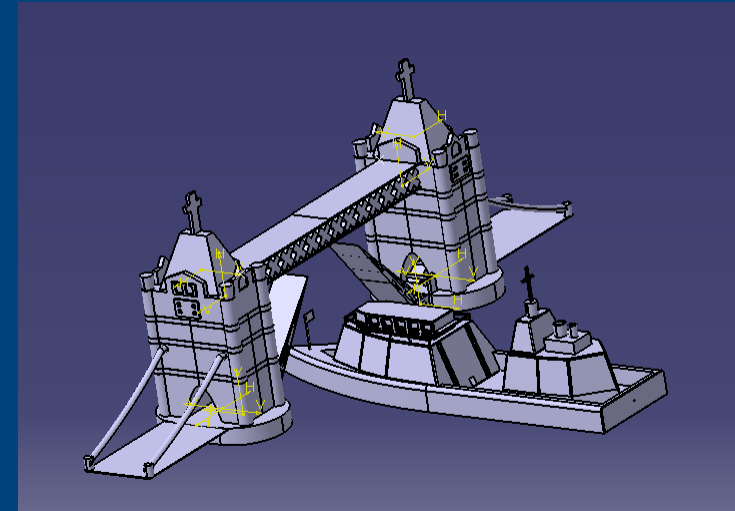
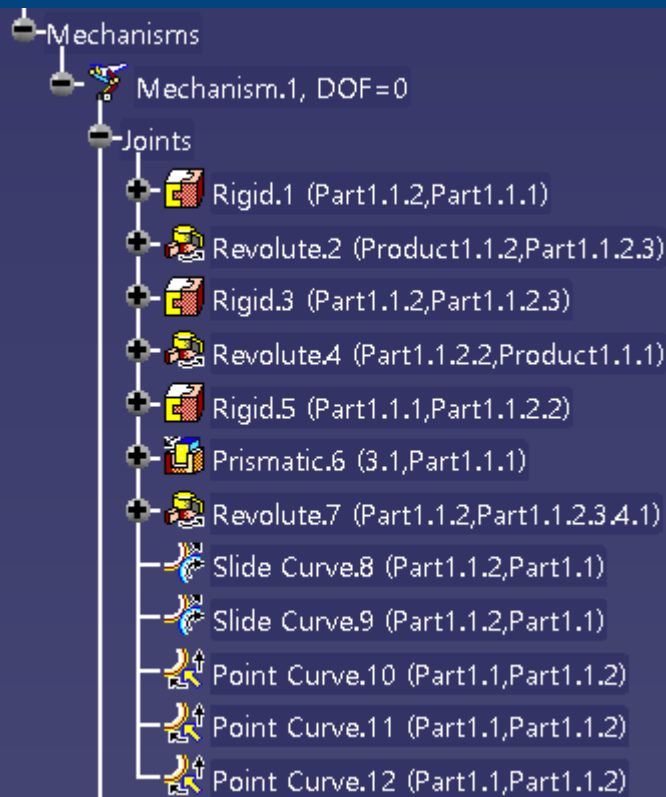
DMU kinematics



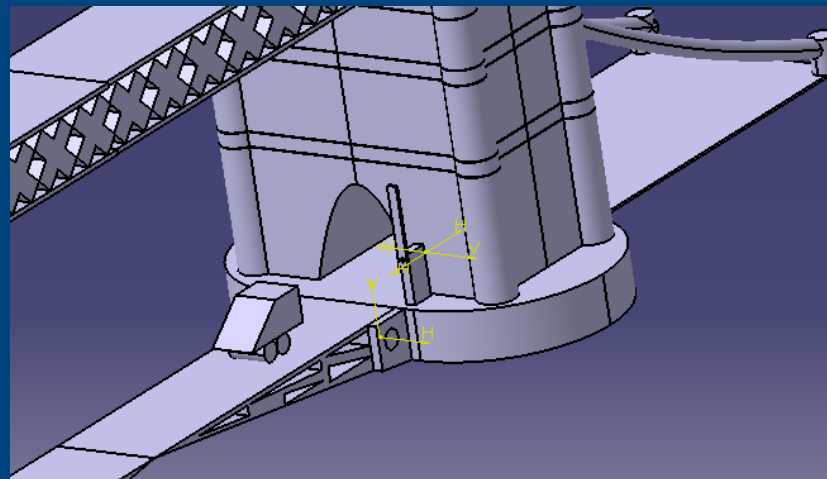
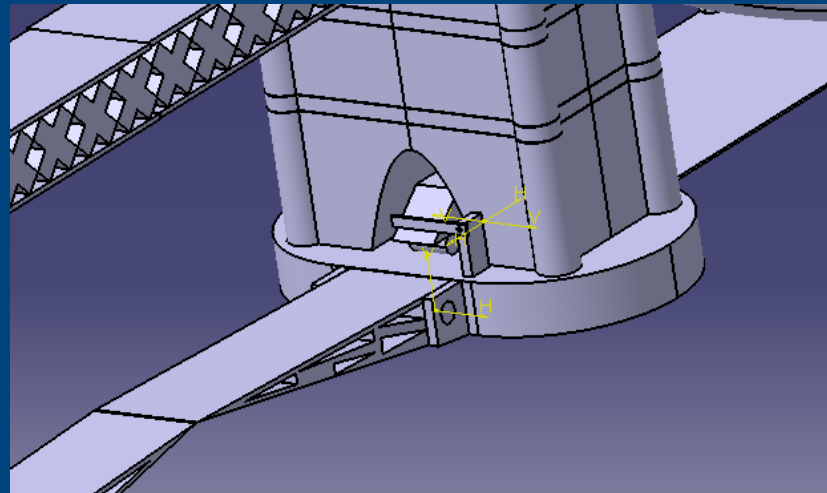
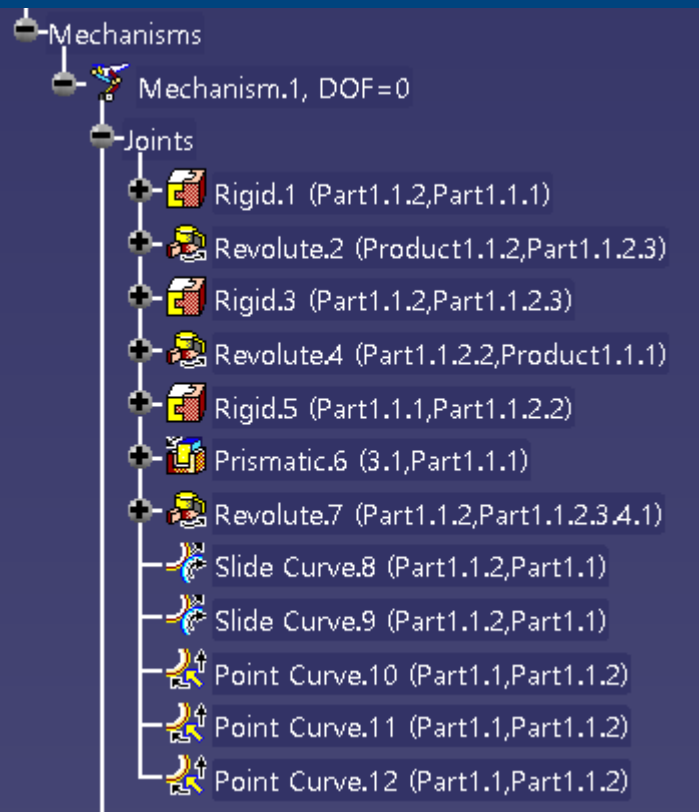
DMU kinematics



DMU kinematics

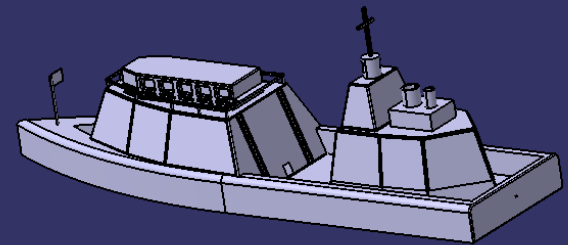
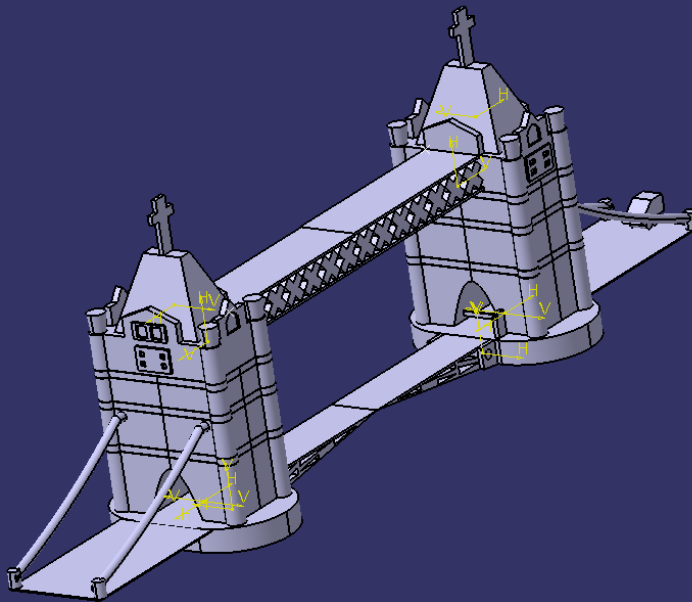


DMU kinematics



Driving video

<https://youtu.be/SrOZmSmNgml>

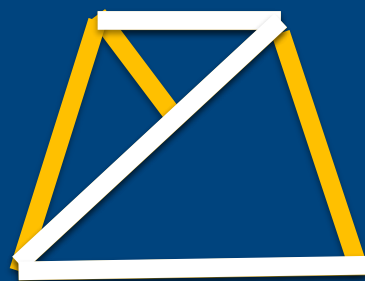


$\vec{F}_x$

제작 시 아쉬웠던 점 & 어려웠던 점

1. DMU 과정에서 생각한대로 실행이 되지않아 다리 모델링 과정을 여러 번 거쳐야했다.
2. 자동차의 움직임을 구현하는 과정에서 DOF를 0으로 만들기 어려웠다.
3. Assembly Design을 진행한 뒤 Explode하고 Update를 진행할 때 너무 많은 Joint가 부여되었다고 경고문이 나와 수정하는데 시간이 오래걸렸다.

Q&A



감사합니다.