CAD Final Project

LOCOMOTIVATION

한양대학교 미래자동차공학과

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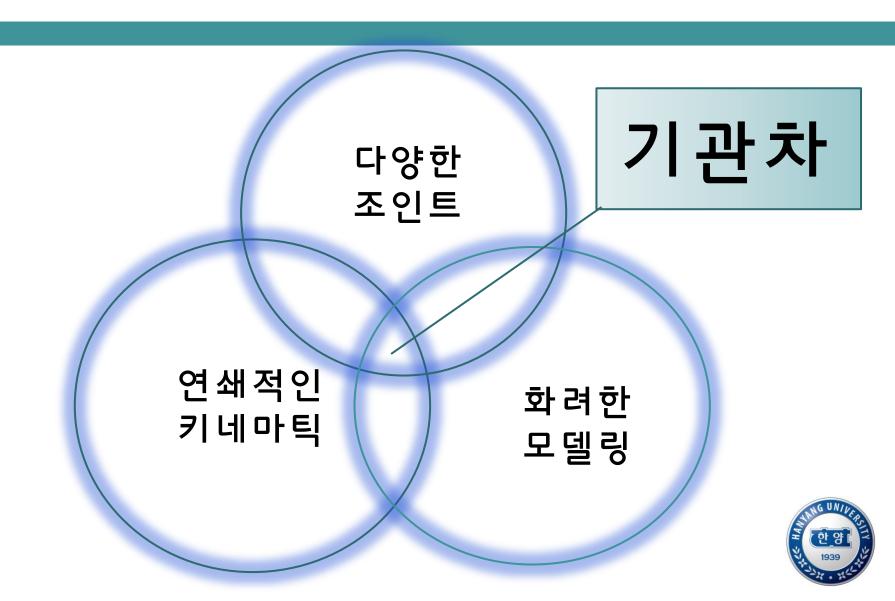
팀 소개

LOCO OTIVATION



모델 선정 이유

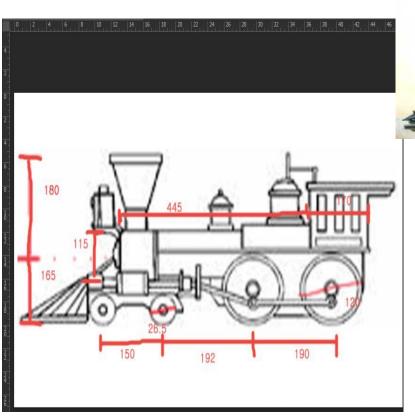
Reason for Selection



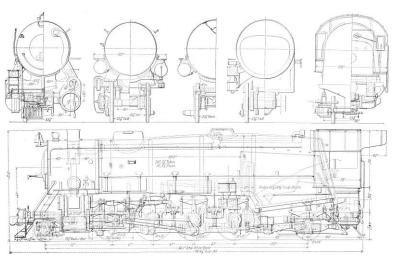


참고자료

참고자료





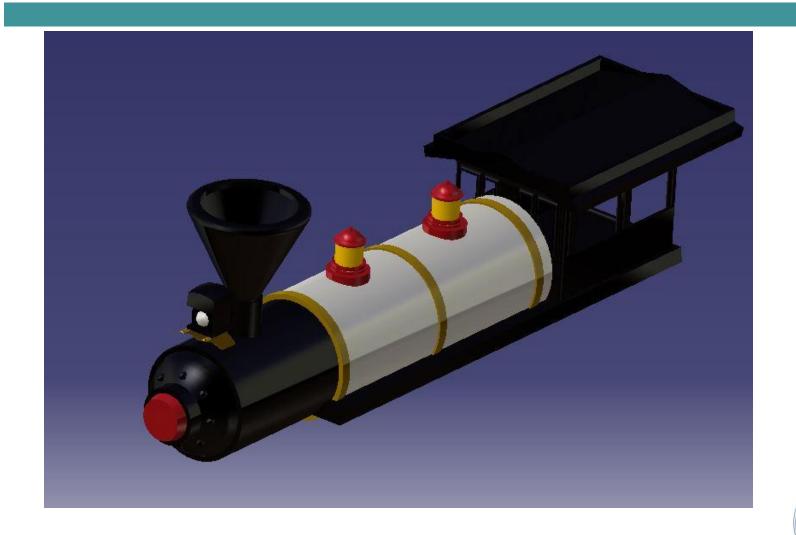






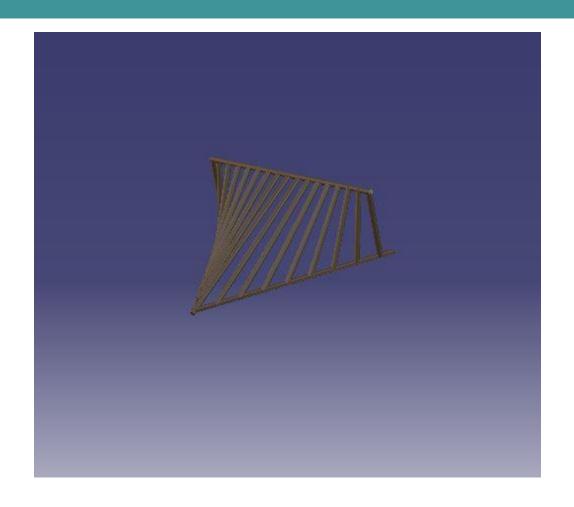
모델링

Modeling



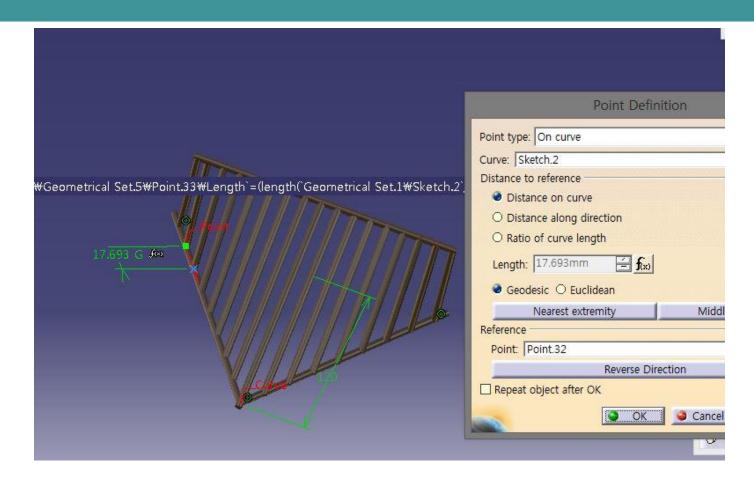


Front Deco



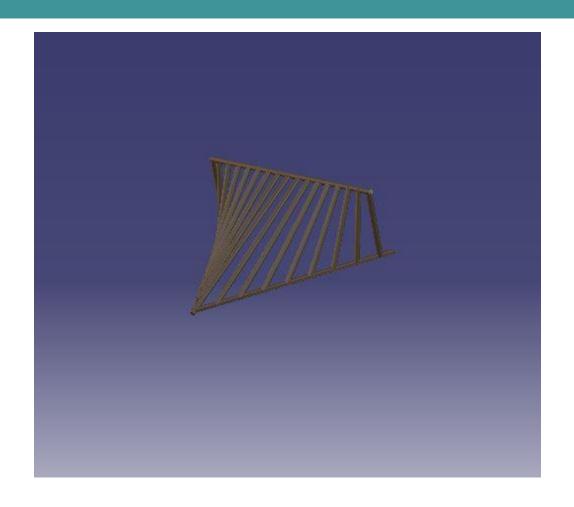


Front Deco



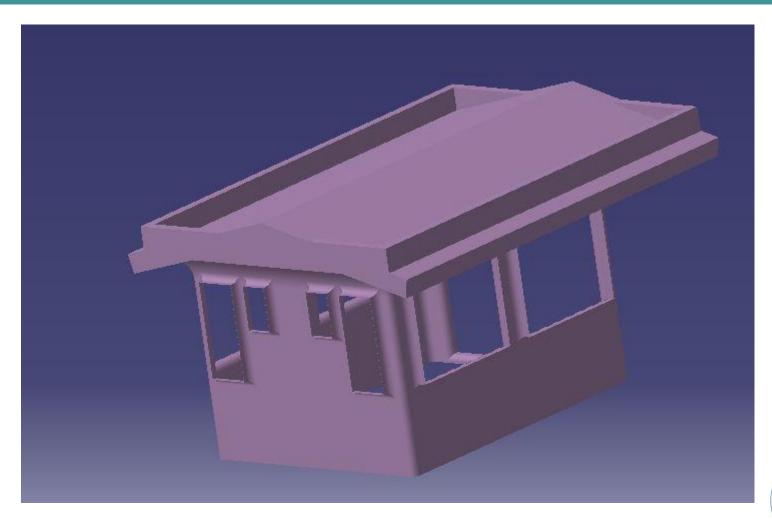


Front Deco

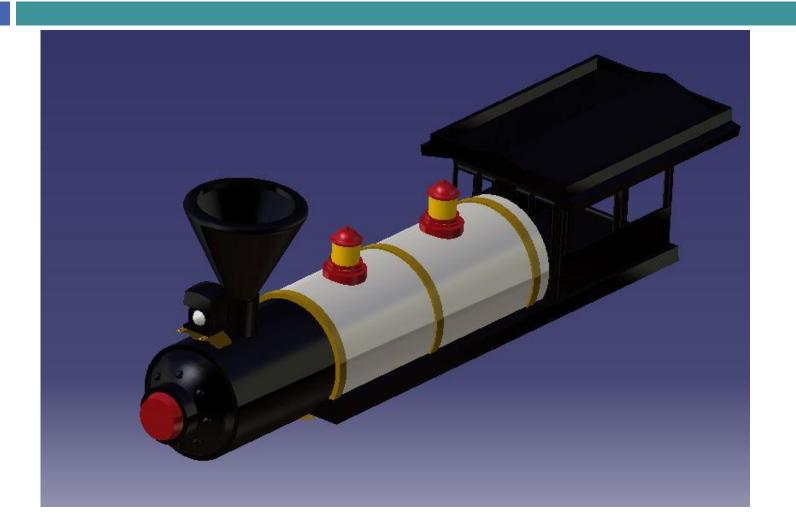




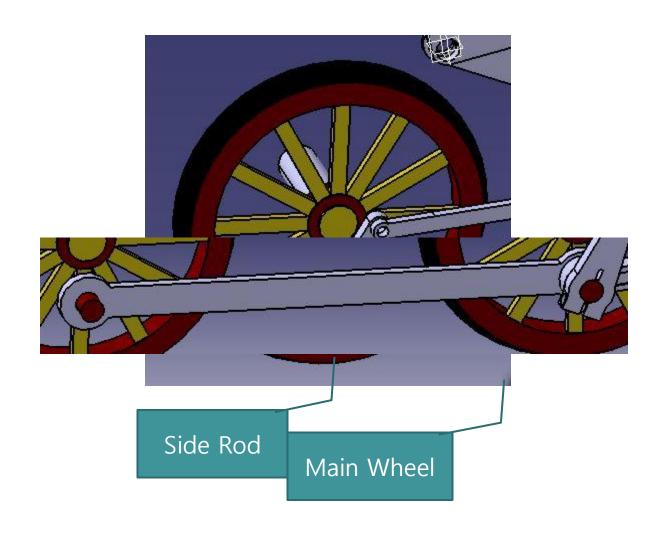
Engine Room



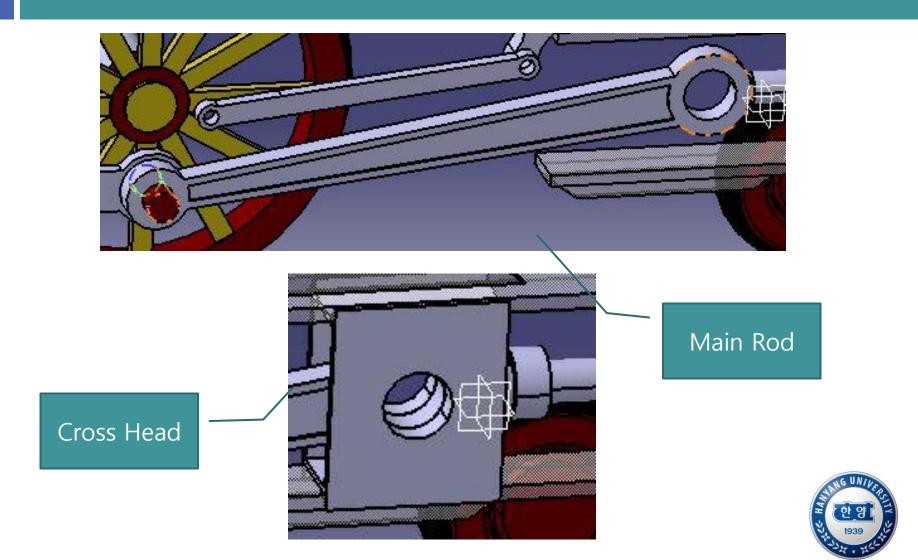


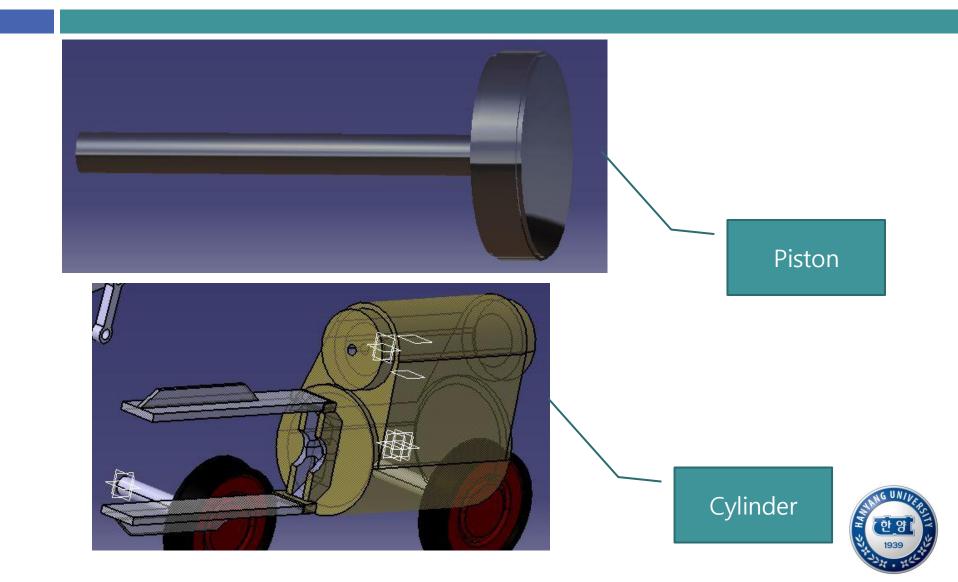


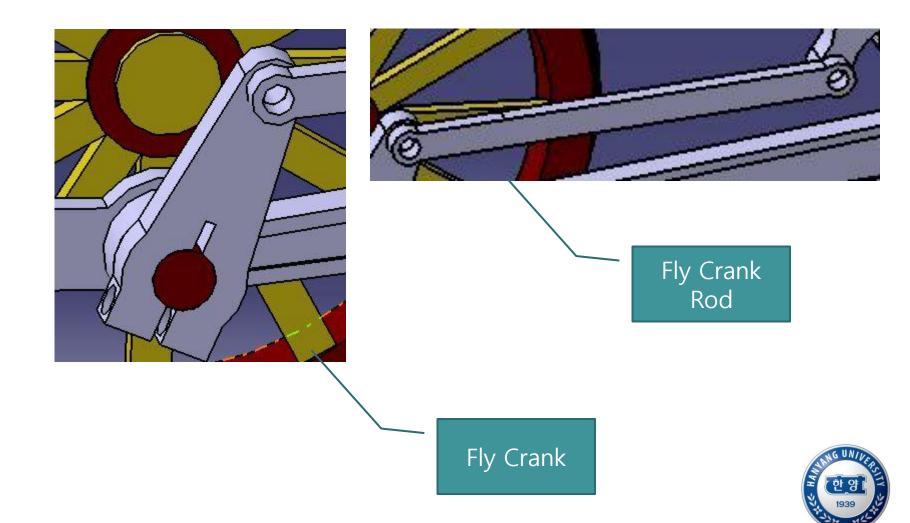


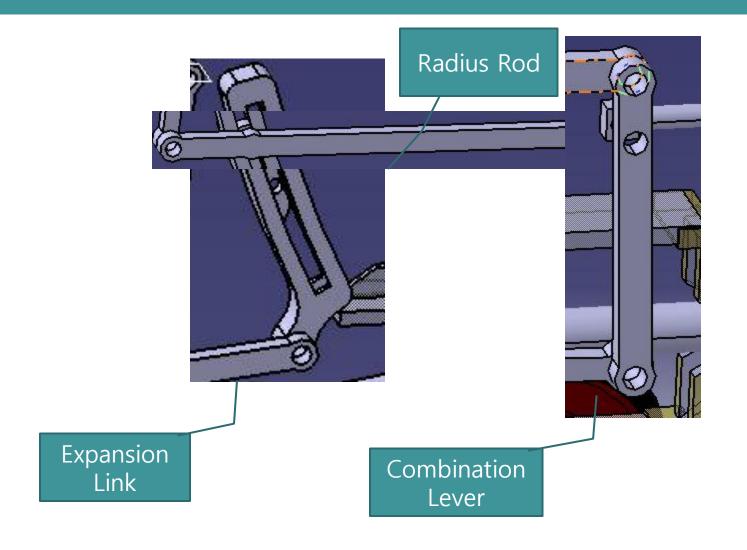




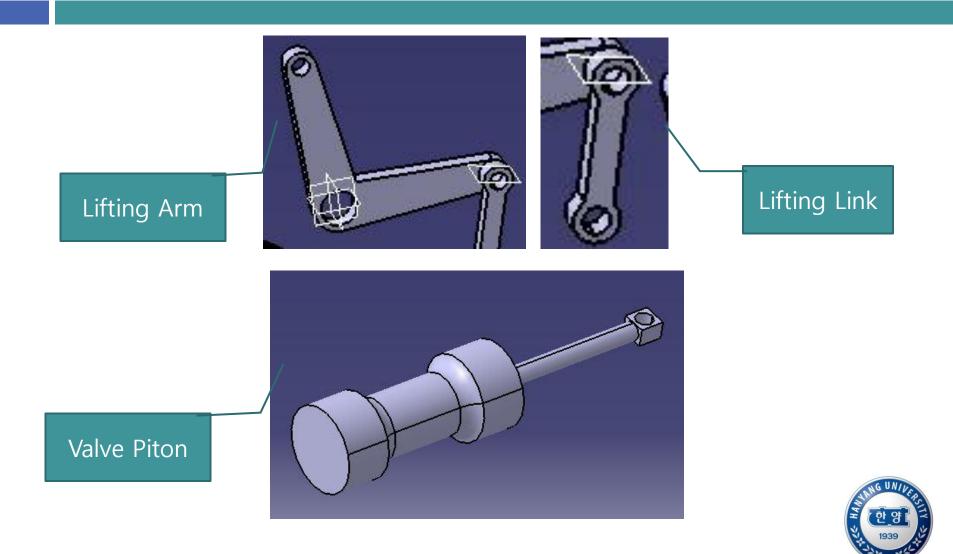




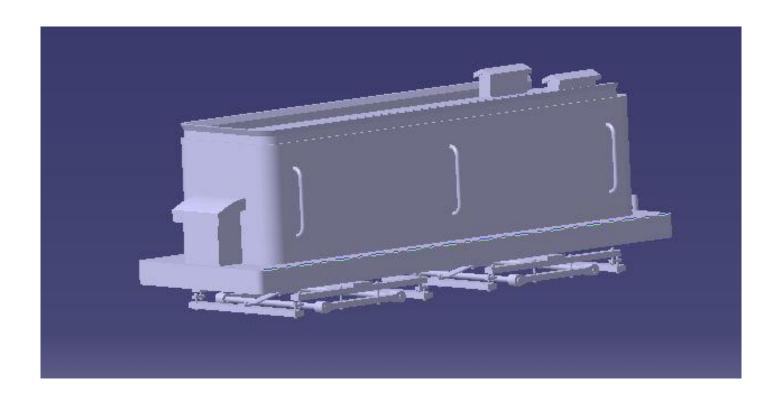






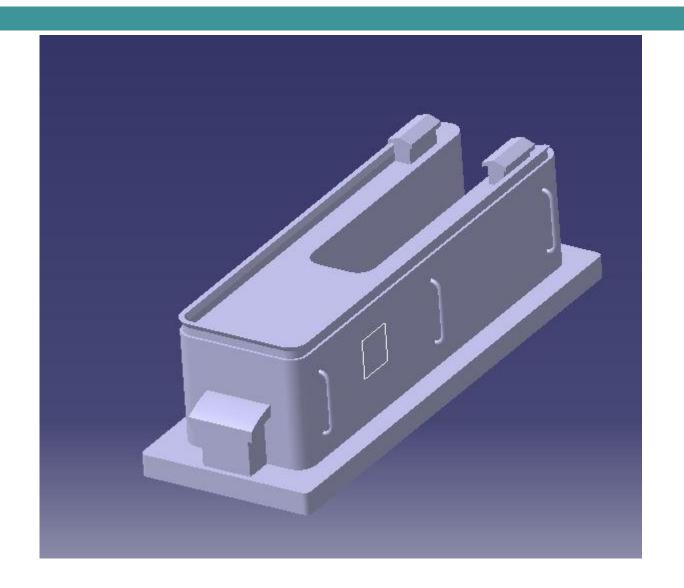


Freight Car



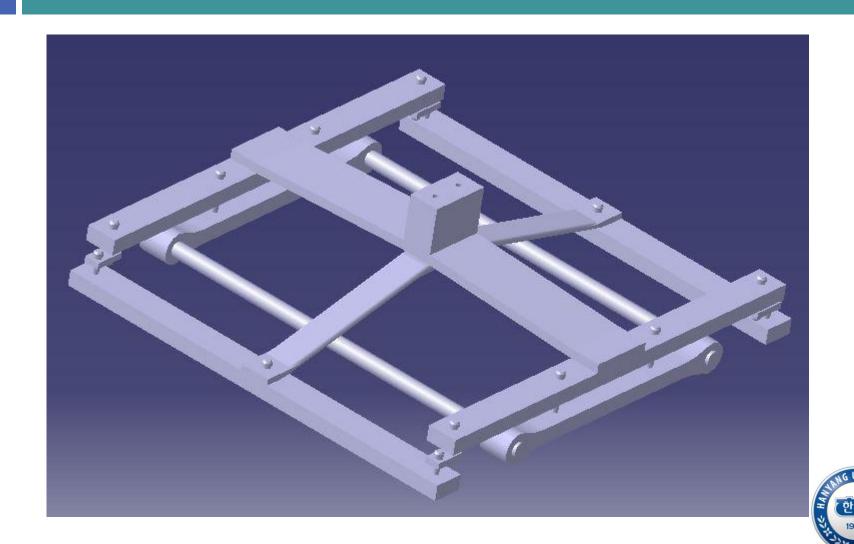


Freight Car

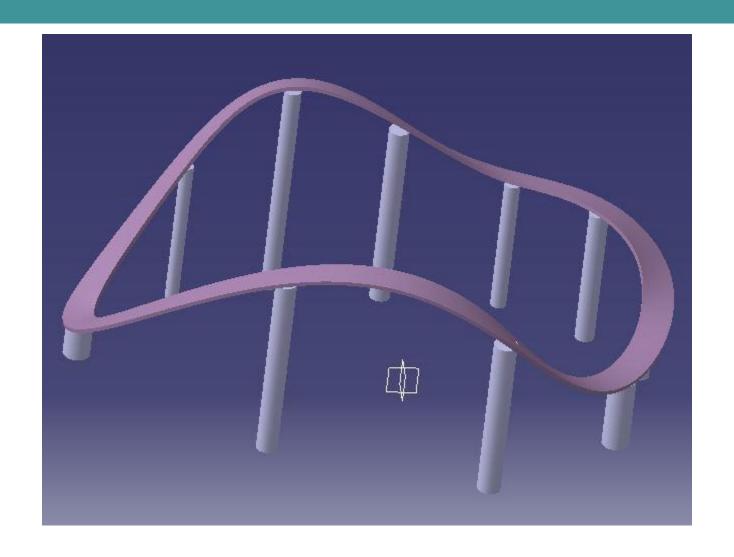




Freight Car

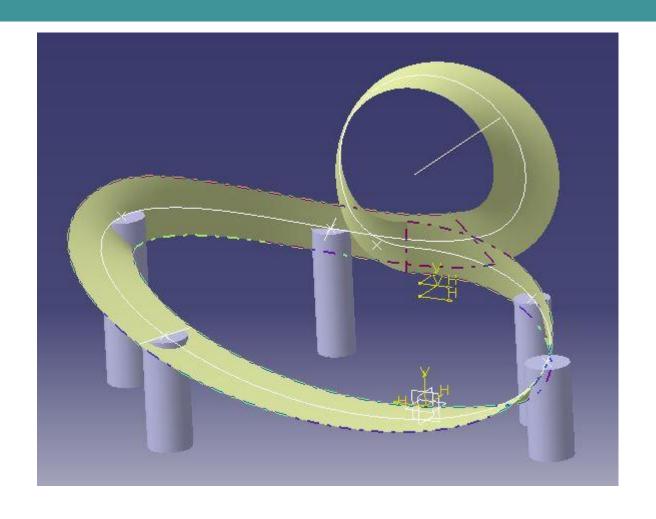


Rail



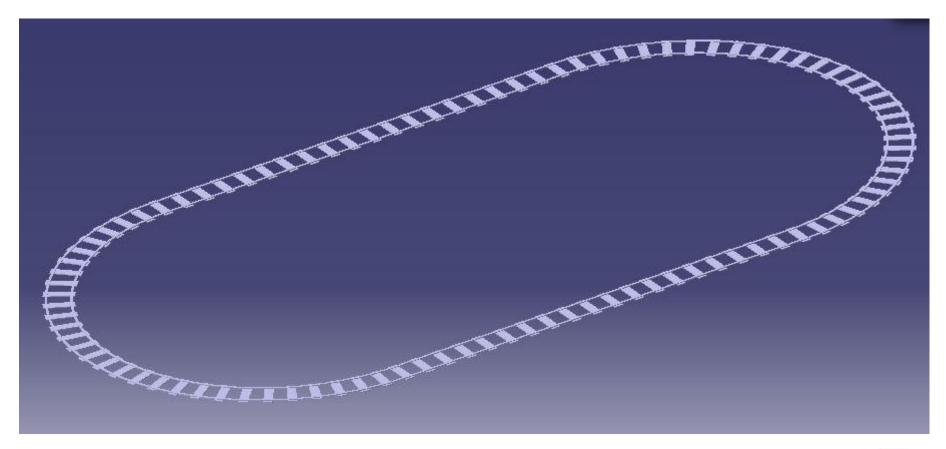


Rail





Rail







키네마틱



Walschaerts Valve-Gear

This kit contains parts to construct a set of Walschaerts type valvegear as used on ROUNDHOUSE locomotives. It is of a simplified design, which does not use a combination lever and is intended for use with the ROUNDHOUSE Cylinder set.

NOTE:- Frames, Cylinders, Coupling Rods, Connecting Rods, Axles and Outside Cranks are not included with this set of parts.



Roundhouse Engineering Co. Ltd

Units 6 to 9, Churchill Business Park, Churchill Road, Wheatley, Doncaster: DN1 2TF. England. Tel 01302 328035 Fax: 01302 761312 Email: mail@roundhouse-eng.com

www.roundhouse-eng.com

This pack contains the following parts: -

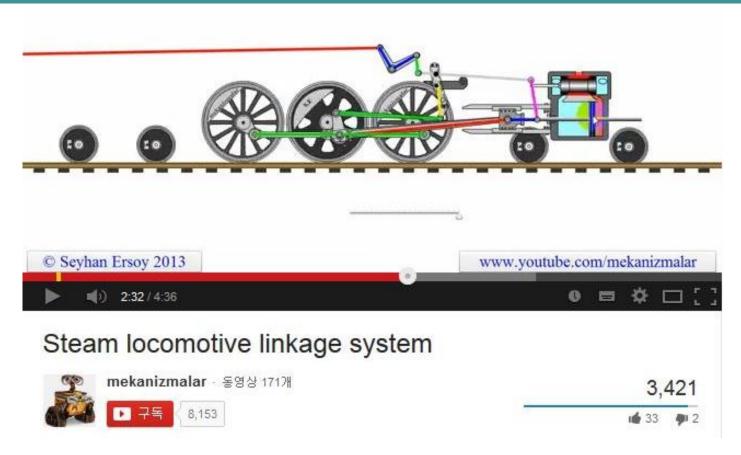
- Return Cranks with steel screws & nuts.
- 2 Expansion links with bushes & 2BA nuts.
- 2 Lifting arms with grub screws & Allen key.
- 2 Lifting links.
- 4 M2 steel screws & nuts.
- 6 5BA steel washers.
- 2 Radius rods.
- 2 Weigh shaft brackets
- 1 Weigh shaft.
- 2 Starlock washers
- 2 Roll pins.
- 6 Short crank pins.
- 2 Plain crank pins
- 1 Push Rod Connector, Screw & Starlock
- Stainless Steel spring & Long Crank Pin.
- Reversing lever handle.
- 1 Reversing lever base.
- 3 M2 screws and nuts.
- 2 M3 mounting screws.
- Steel push rod & quicklink connector.
- 2 Eccentric rods.





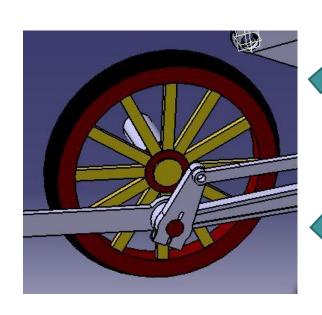
https://www.youtube.com/watch?v=HKH9TYhz3LA

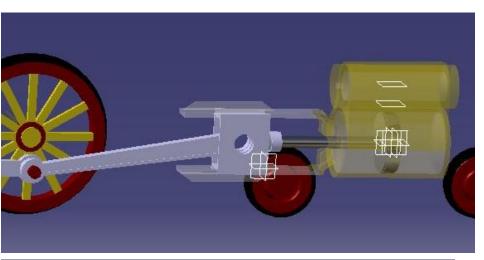


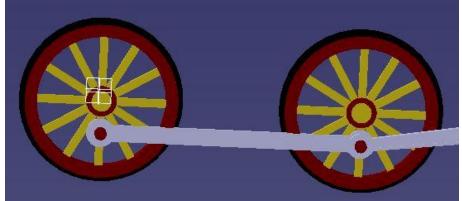


https://www.youtube.com/watch?v=8yRVMnPJmdQ

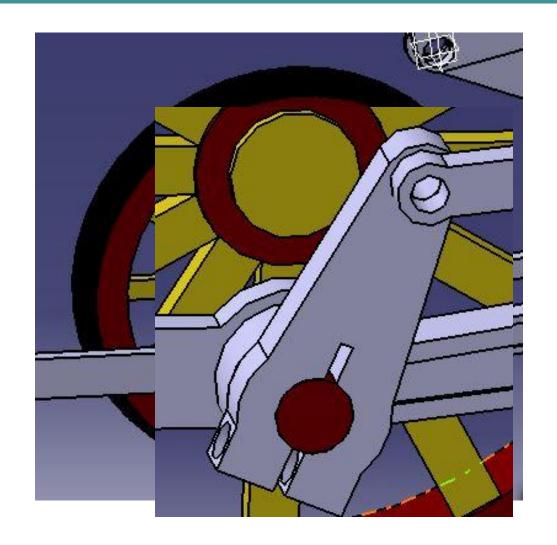




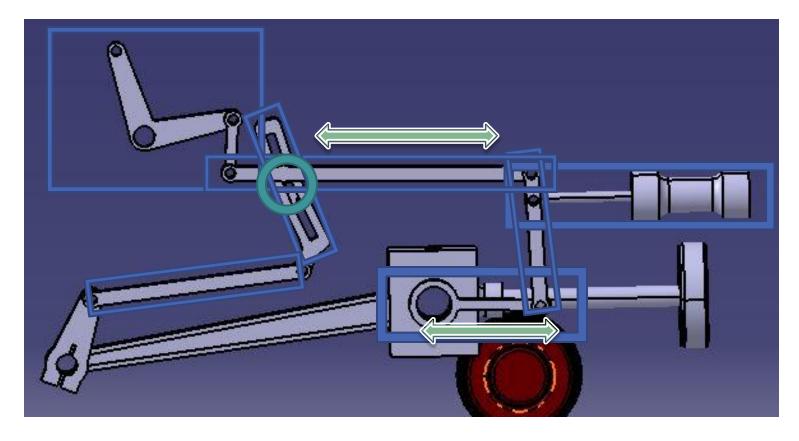




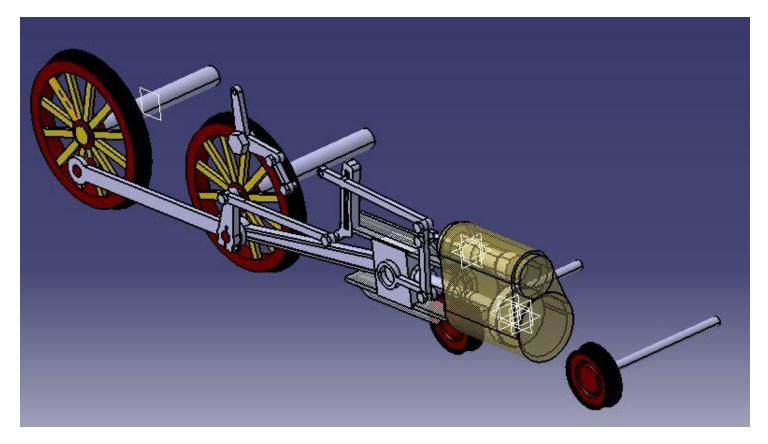




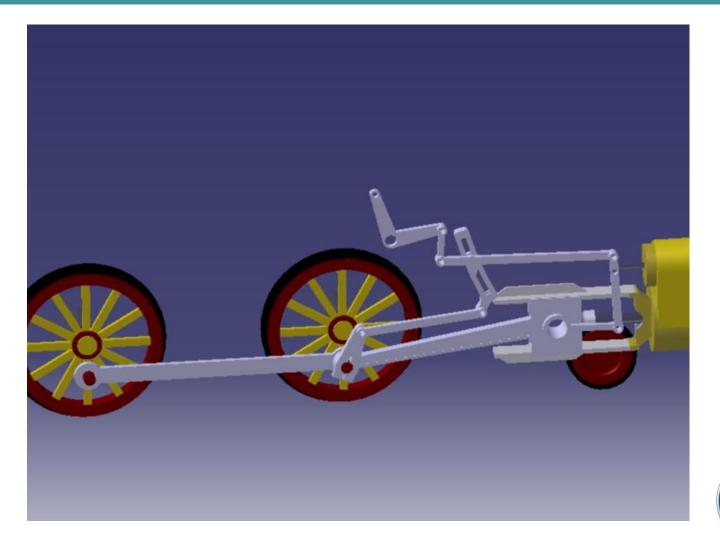




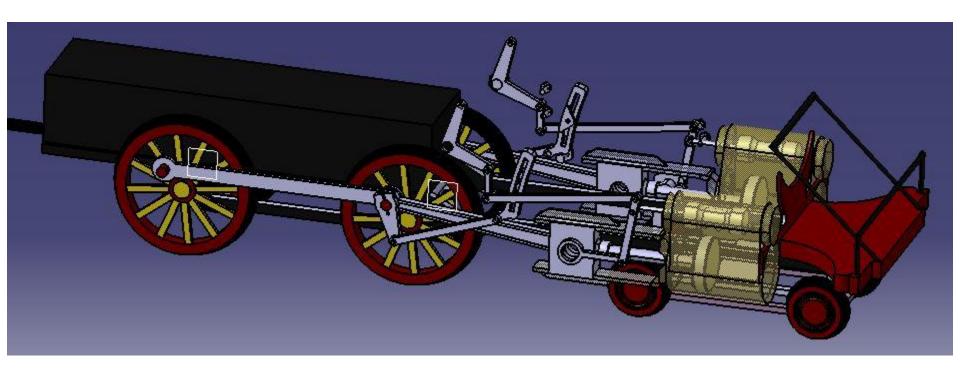




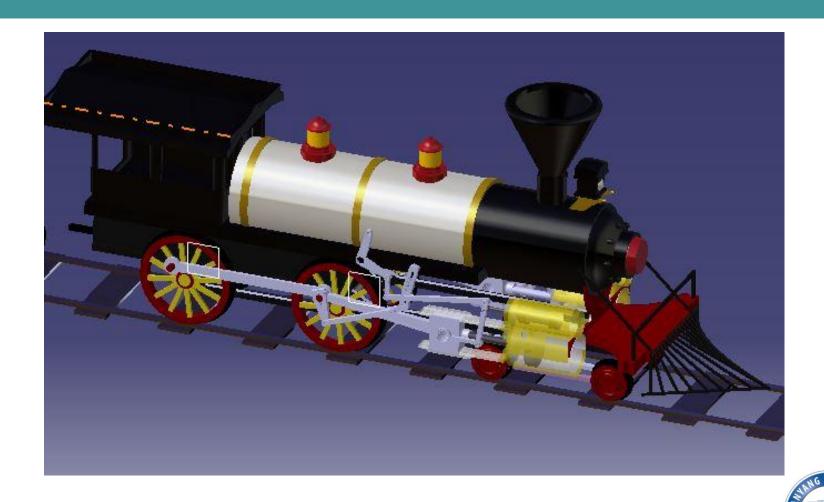


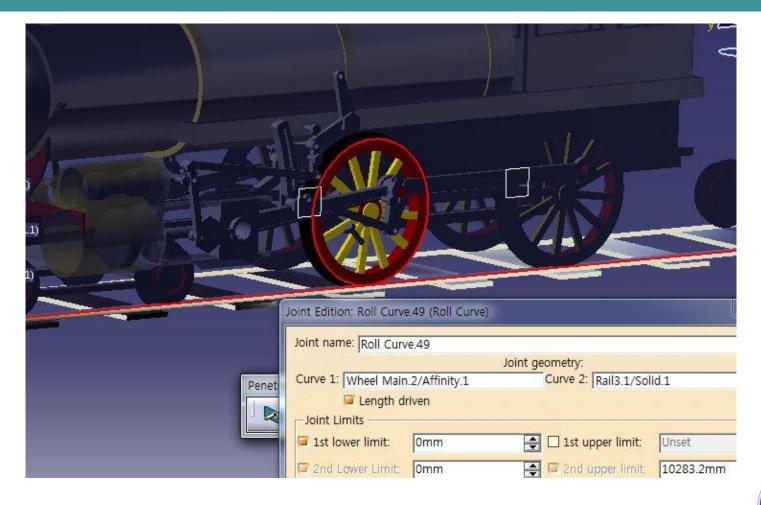




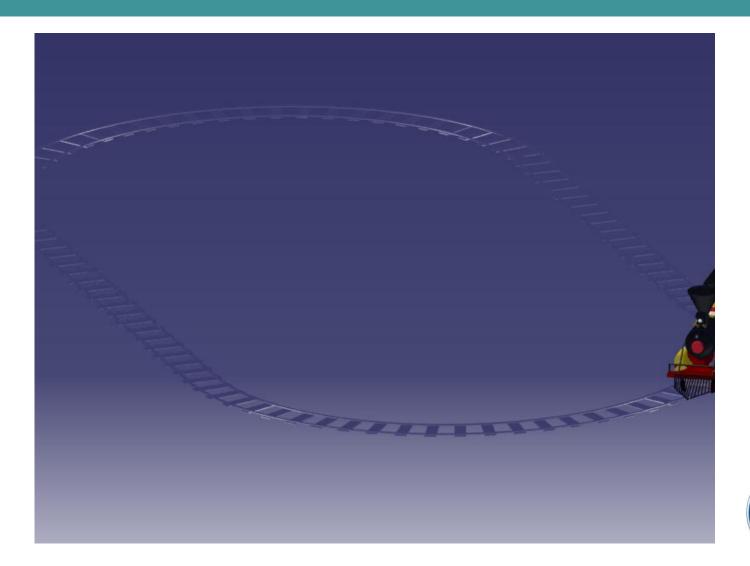




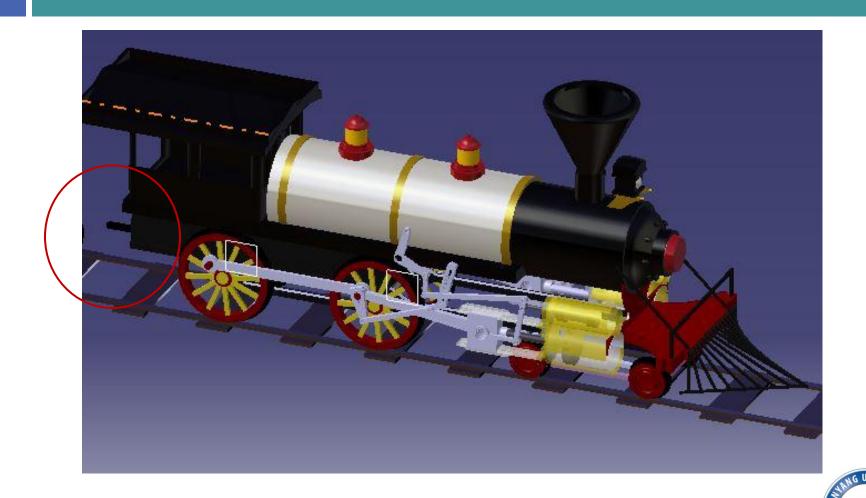


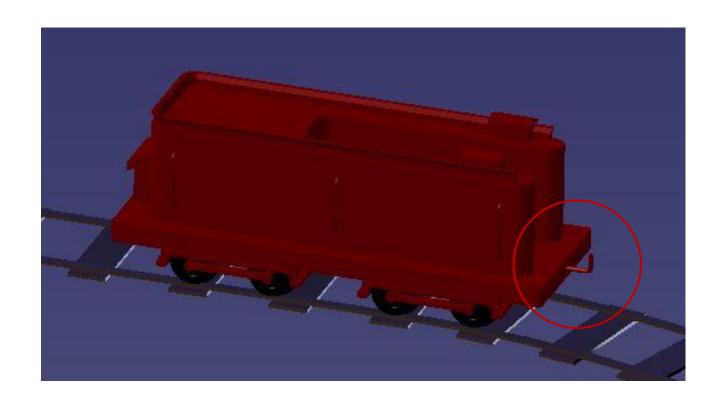




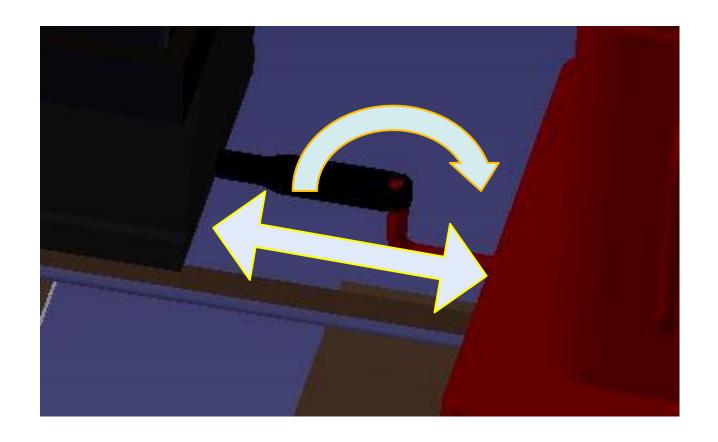




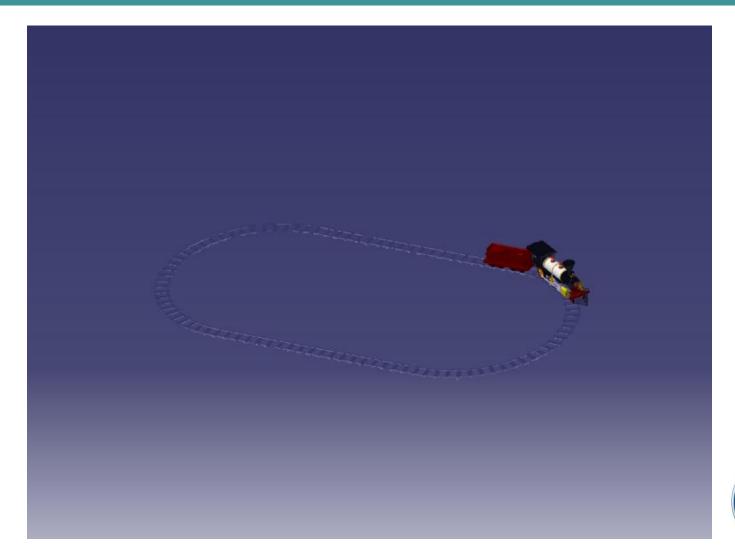










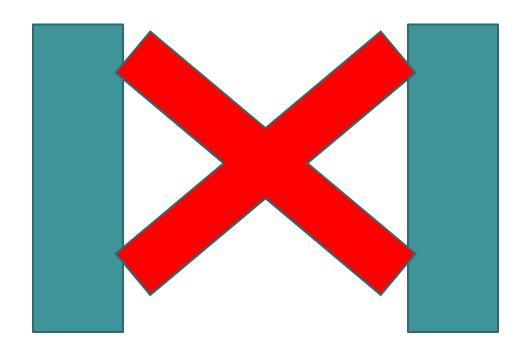




- 1. 밸브기어의 독립적인 컨트롤 불가
- 2. 두 쌍의 바퀴만 레일에 맞물림
- 3. 기관차와 화물칸 연결의 끊어짐

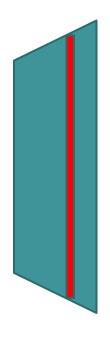


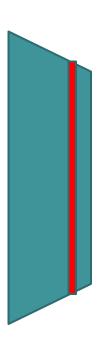
2. 두 쌍의 바퀴만 레일에 맞물림





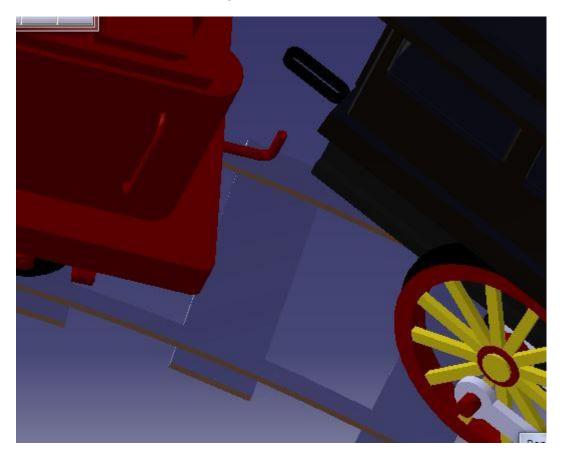
2. 두 쌍의 바퀴만 레일에 맞물림





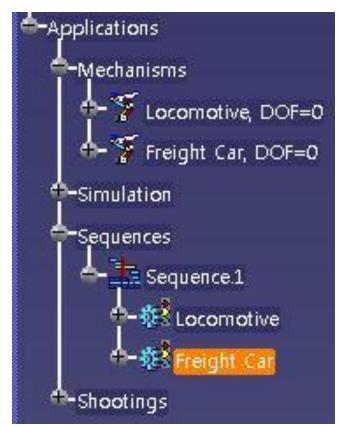


3. 기관차와 화물칸 연결의 끊어짐





3. 기관차와 화물칸 연결의 끊어짐 =>현재는 Sequence로 해결







Q&A