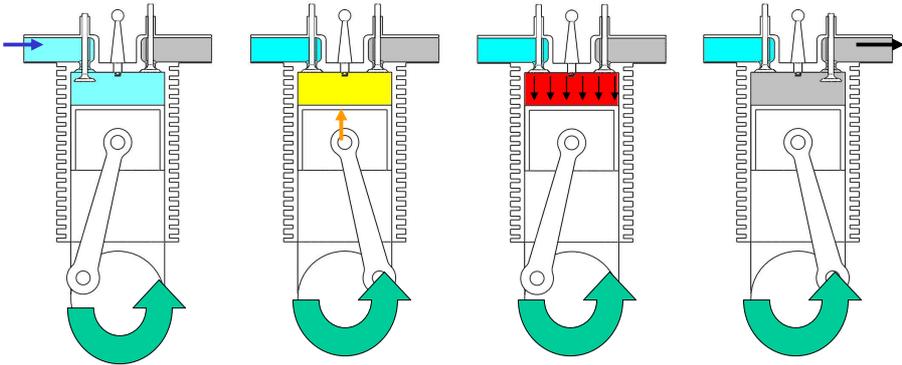
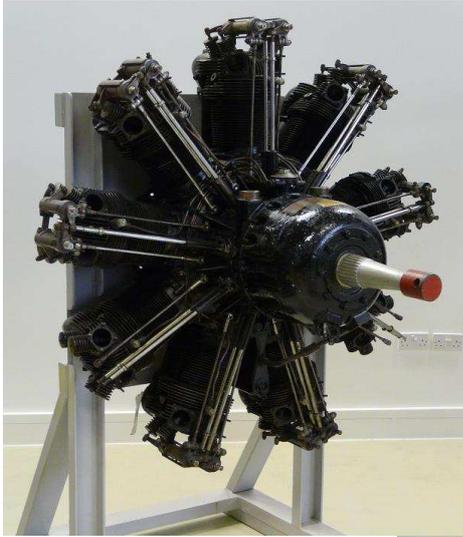
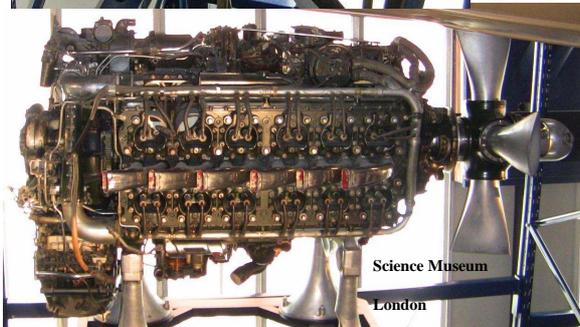


# Propulsion systems





Imperial War Museum Duxford



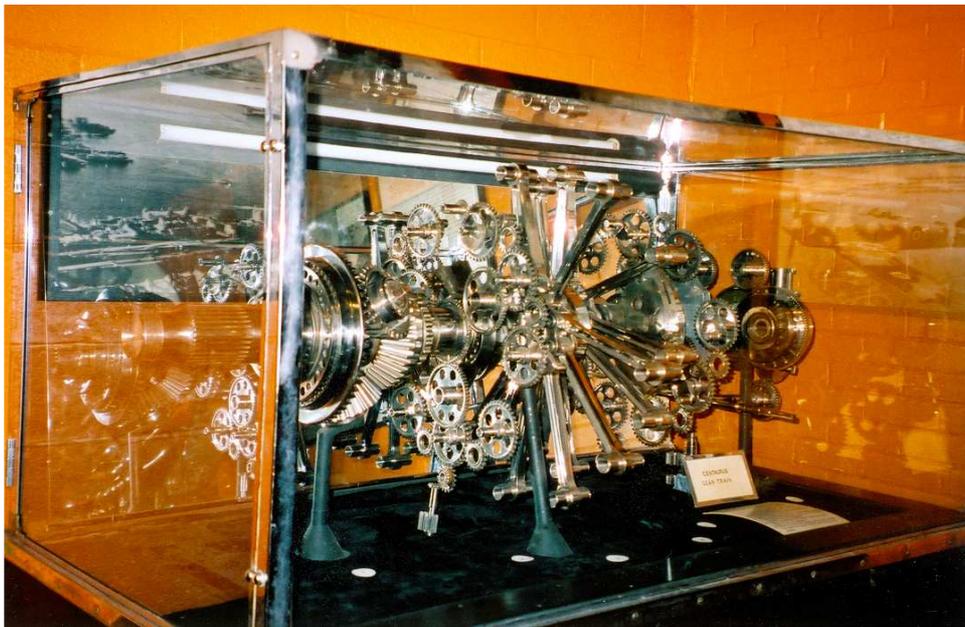
Science Museum  
London



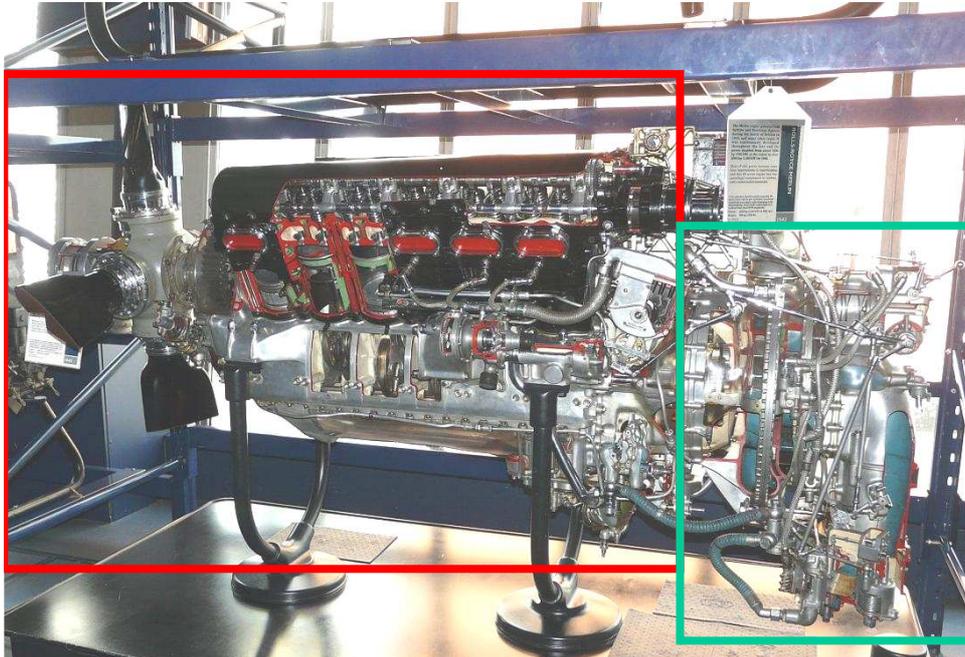
ONLY  
Brooklands  
Museum



Science Museum London



Bristol Industrial Museum



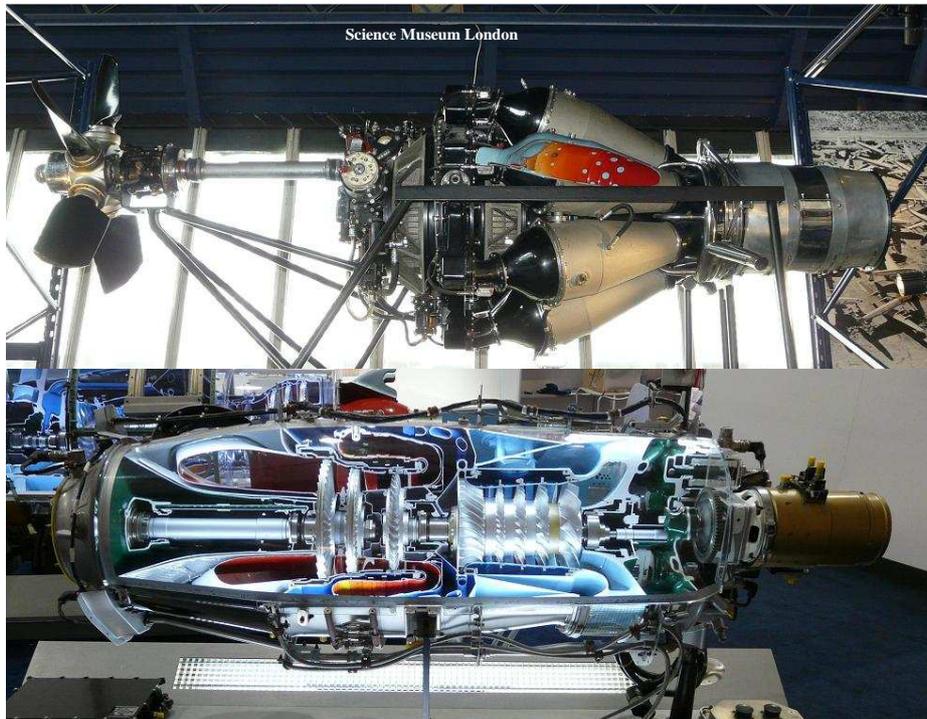
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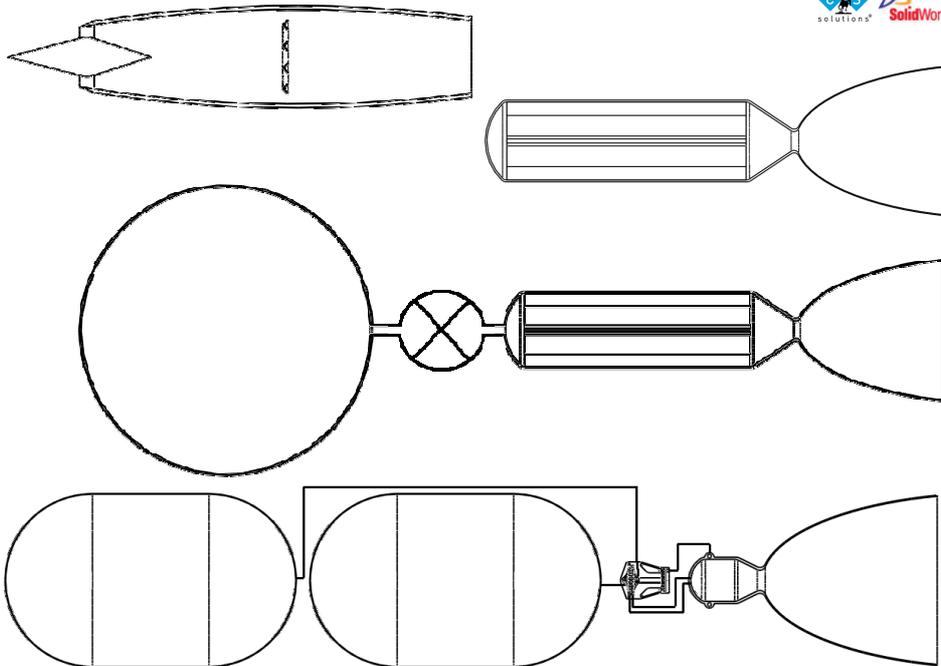
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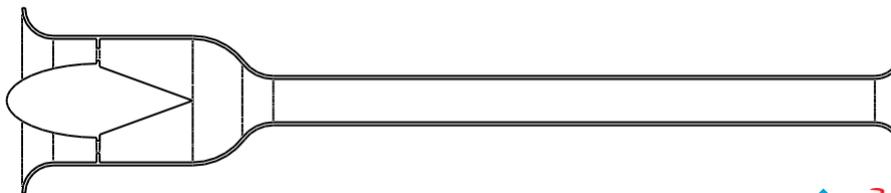
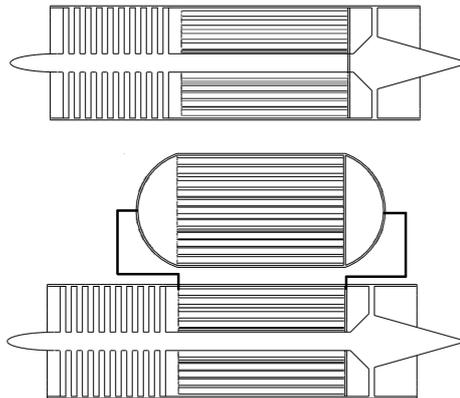
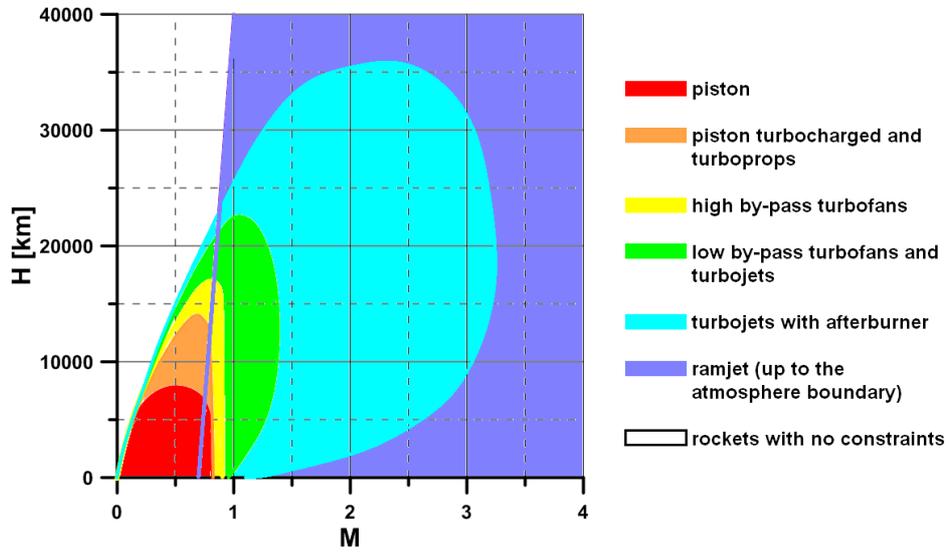


Brooklands Museum

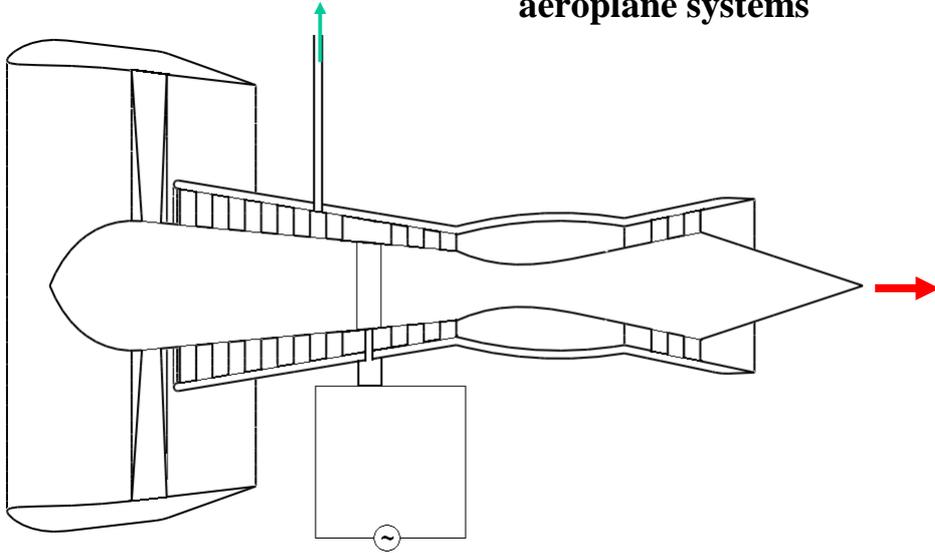


Science Museum London

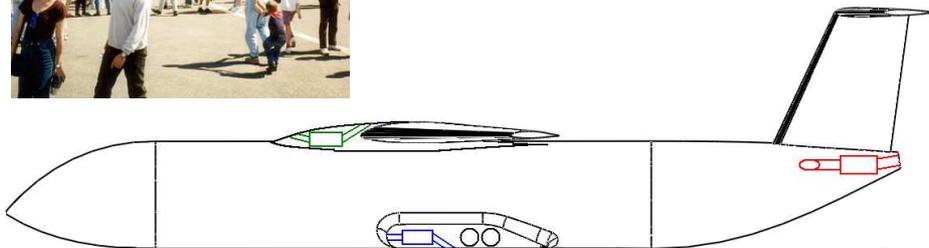




## Engine as a source of energy for aeroplane systems



APU – auxiliary power system



# Ram Air Turbine



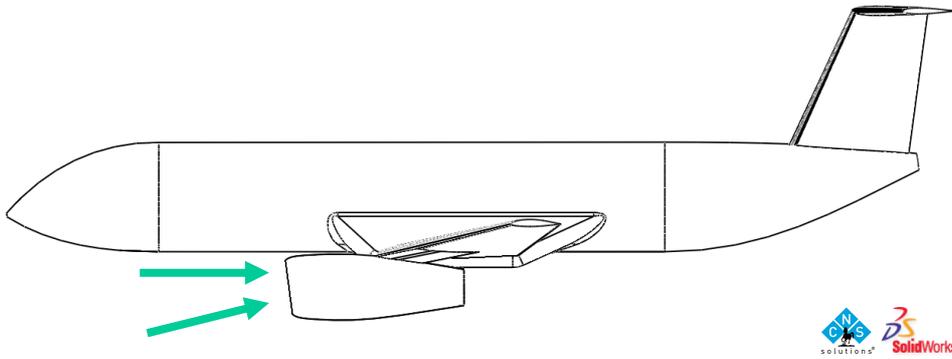
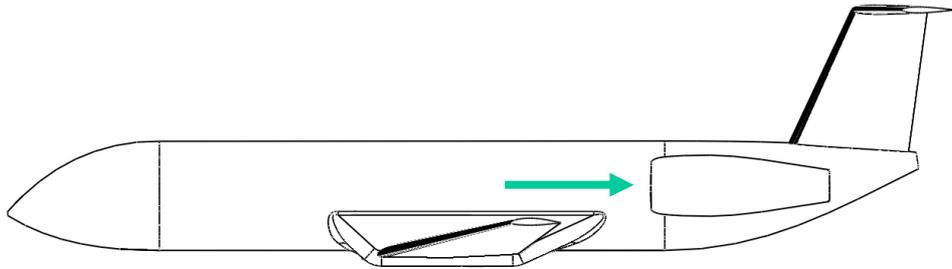
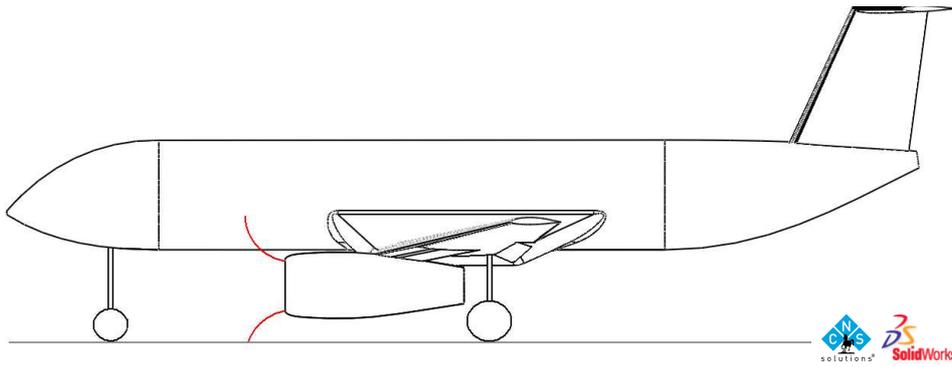
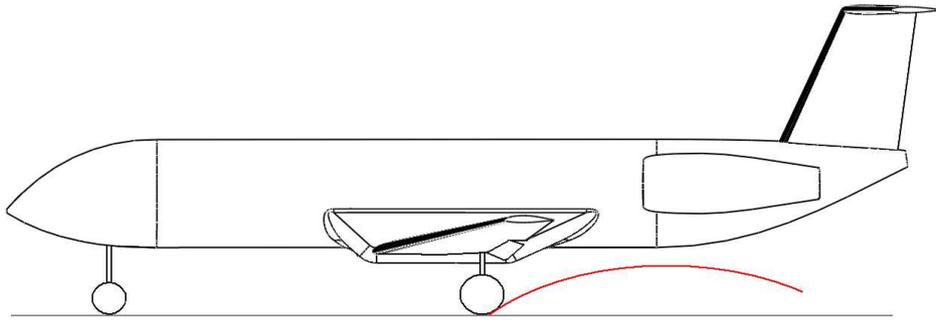
Brooklands Museum

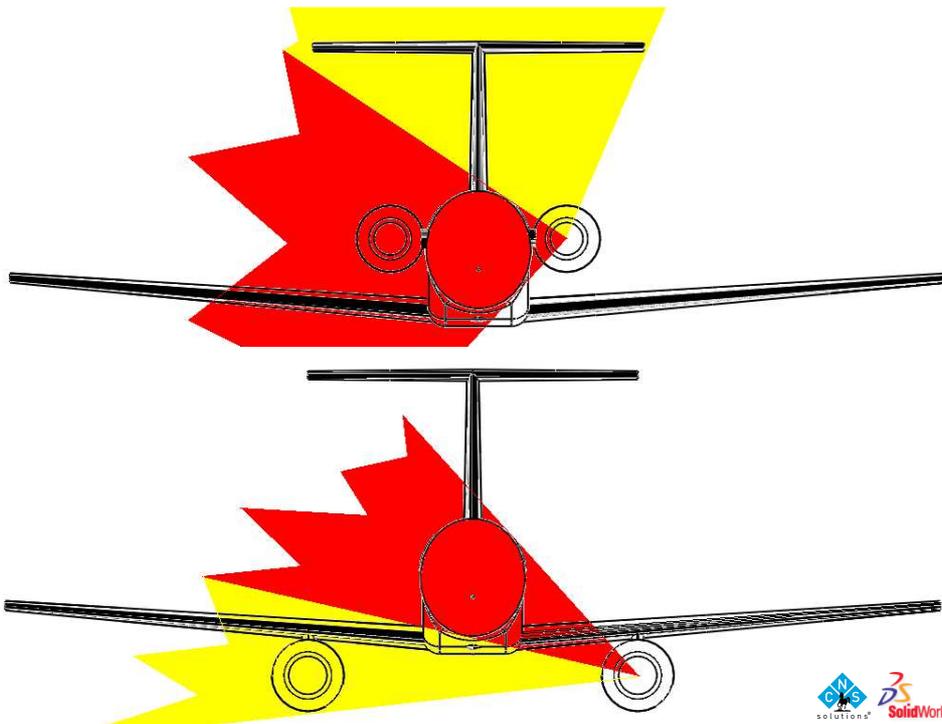
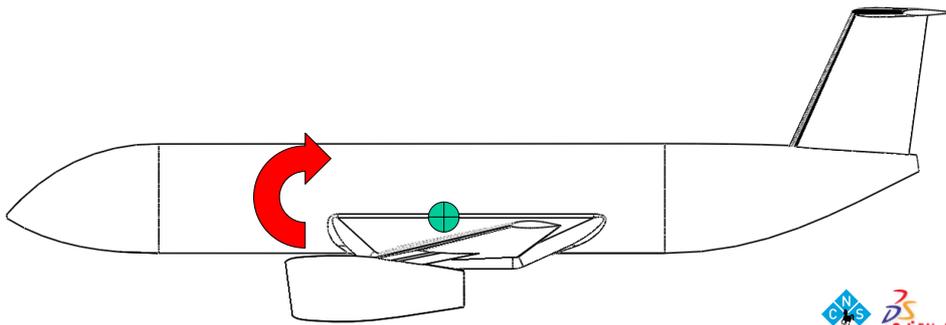
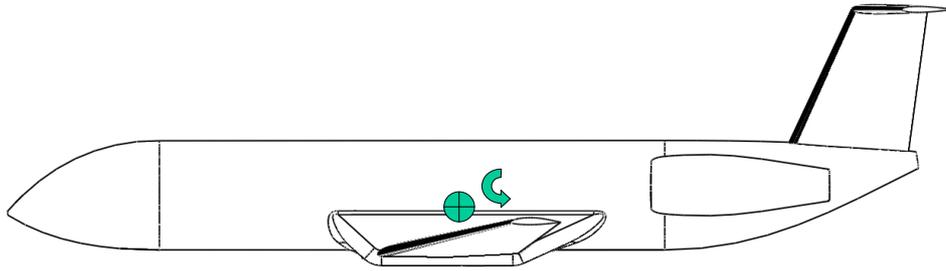


RAF Museum Hendon



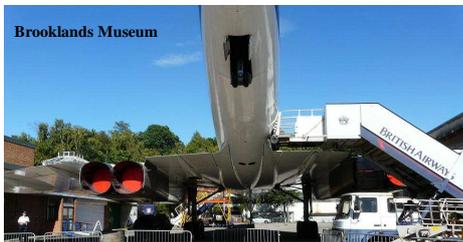








Imperial War Museum  
Duxford



Brooklands Museum



Muzeum Lotnictwa Polskiego Kraków



Musée de l'Air et de l'Espace Paris



Imperial War Museum  
London





Imperial War Museum Duxford

Musée de l'Air et de l'Espace Paris

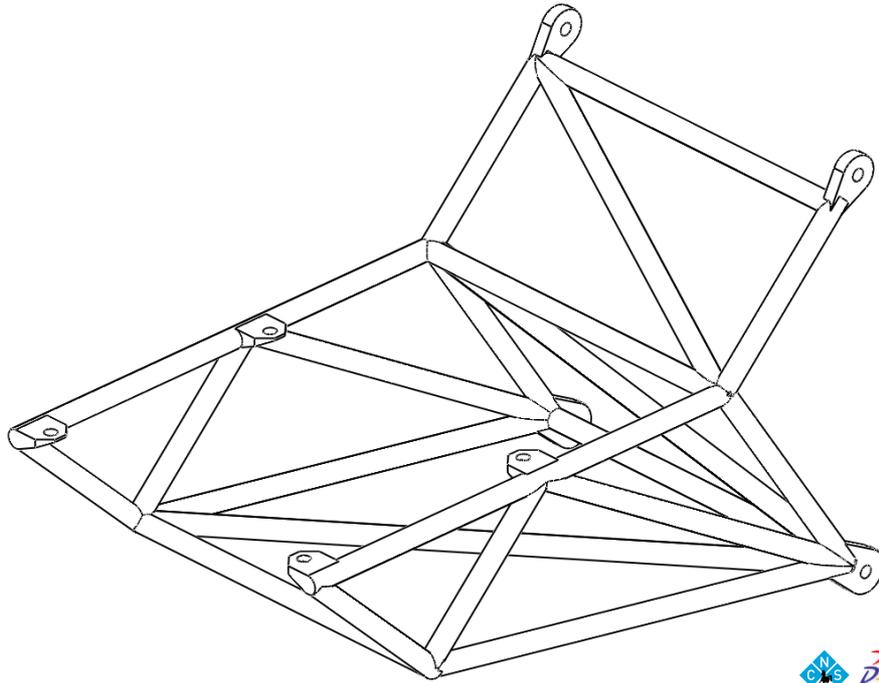


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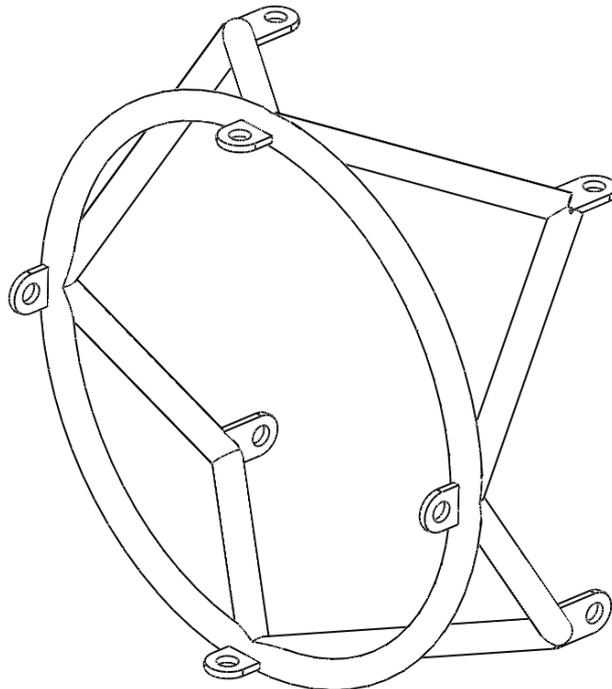
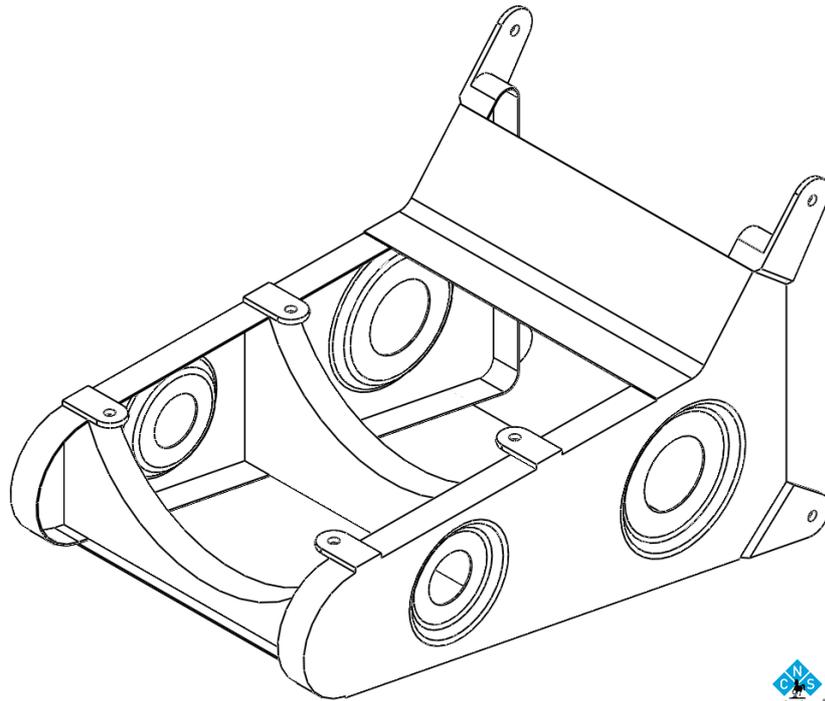


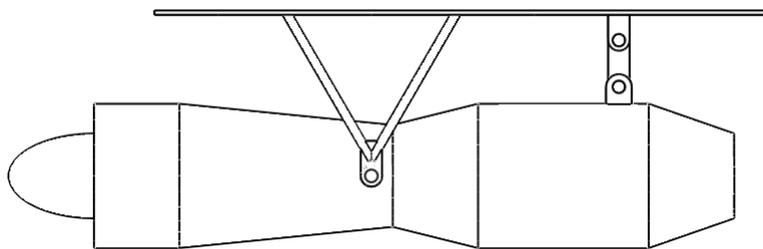
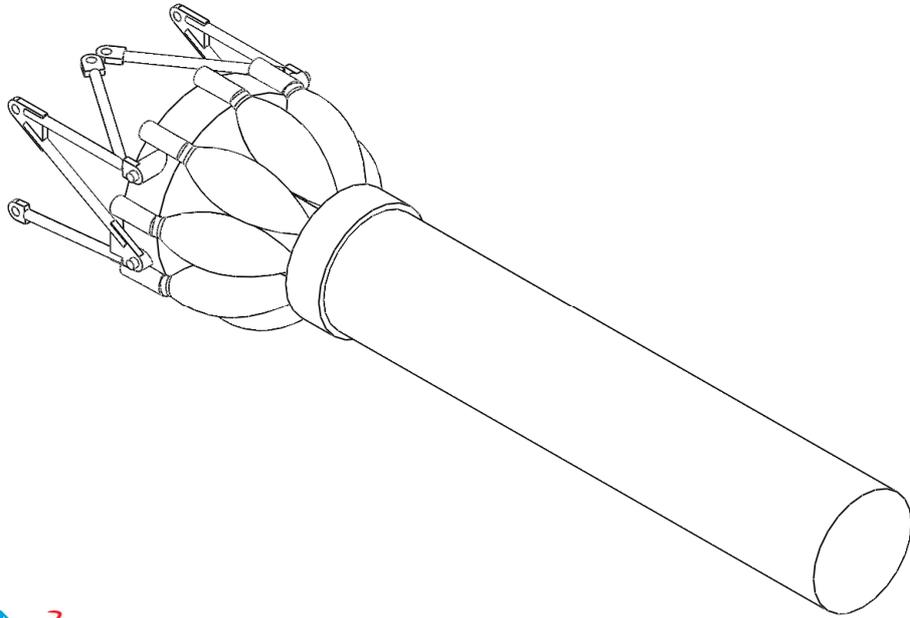
Imperial War Museum Duxford

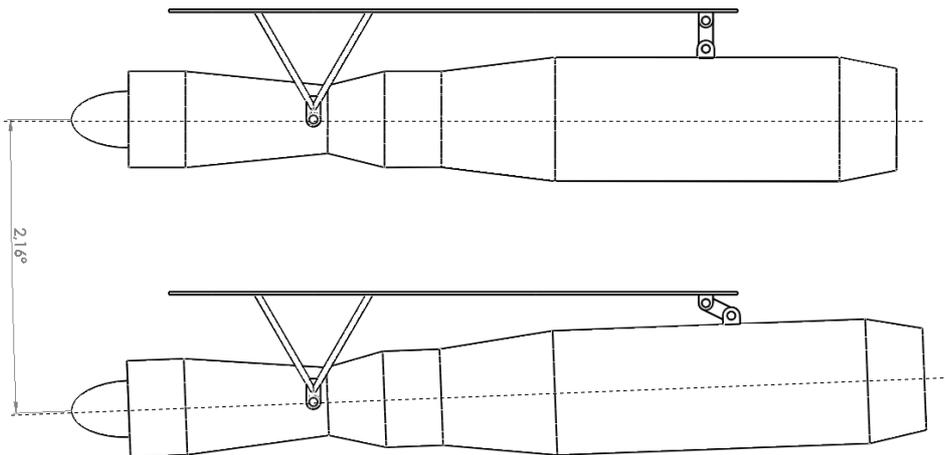
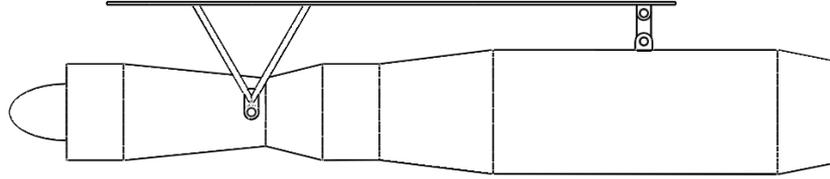


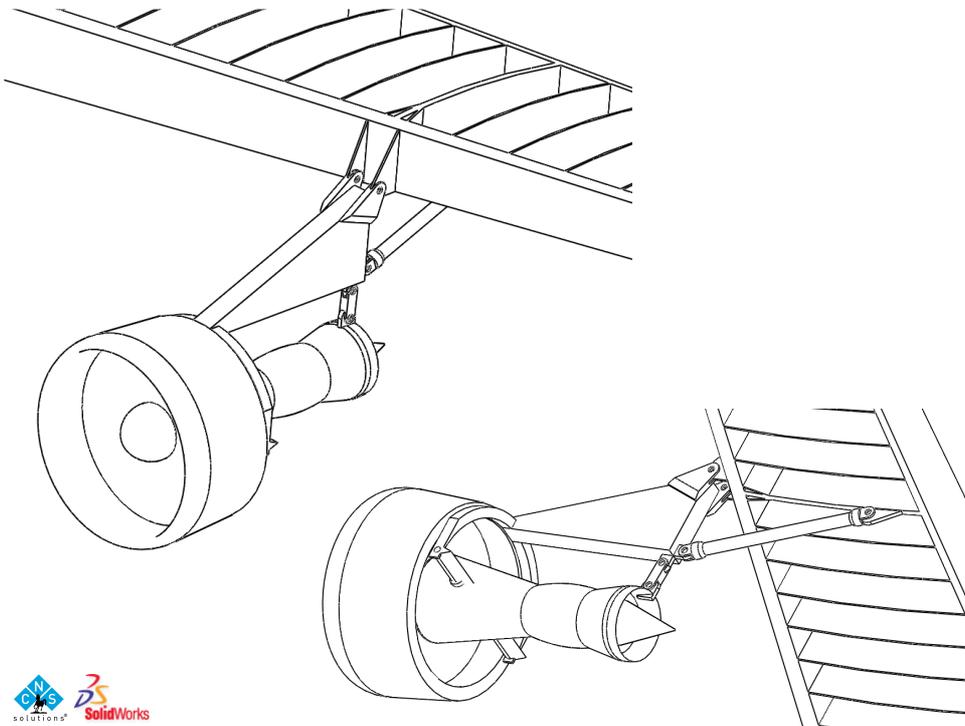
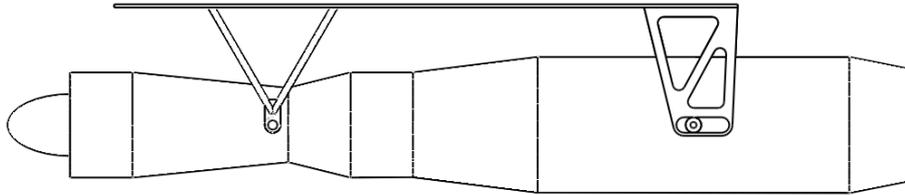


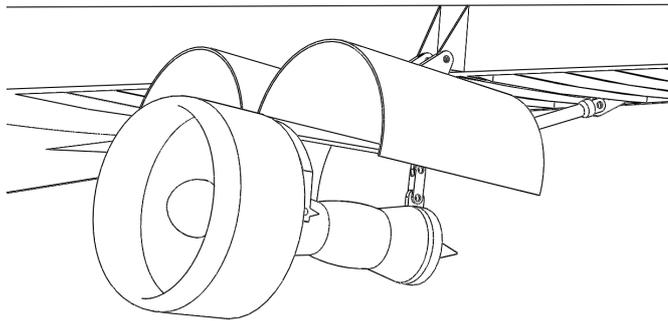
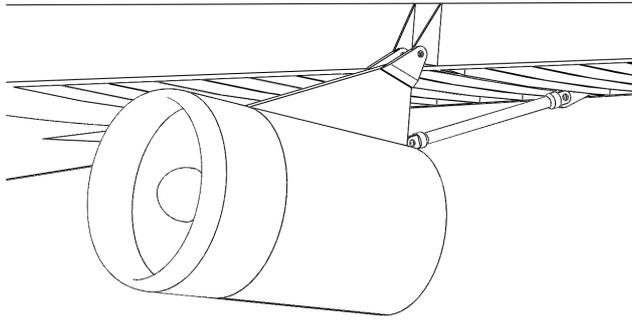
Muzeum Wojska Polskiego Warszawa



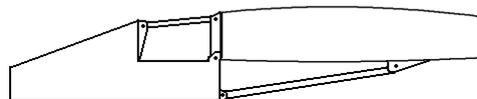
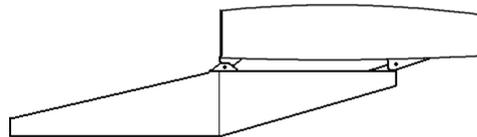
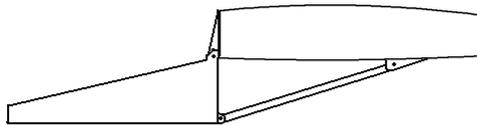


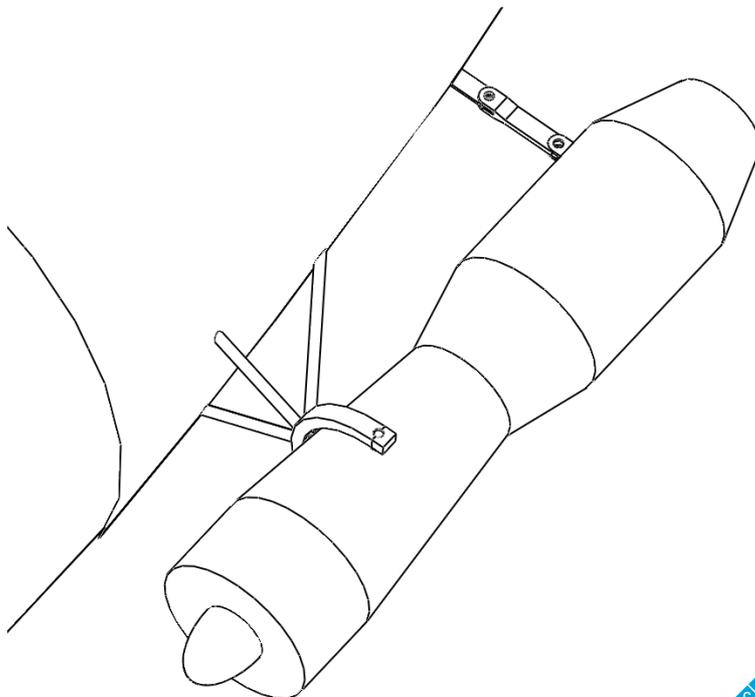
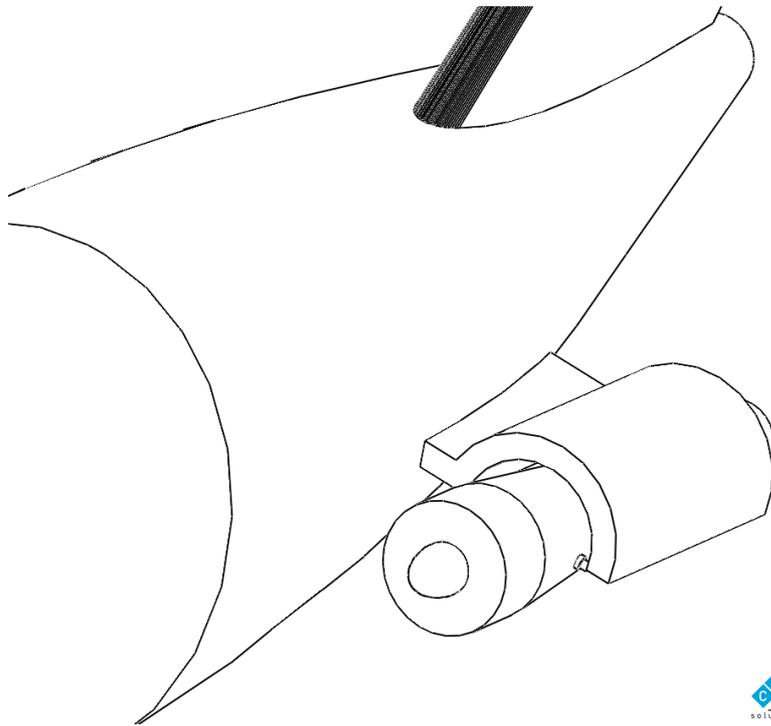


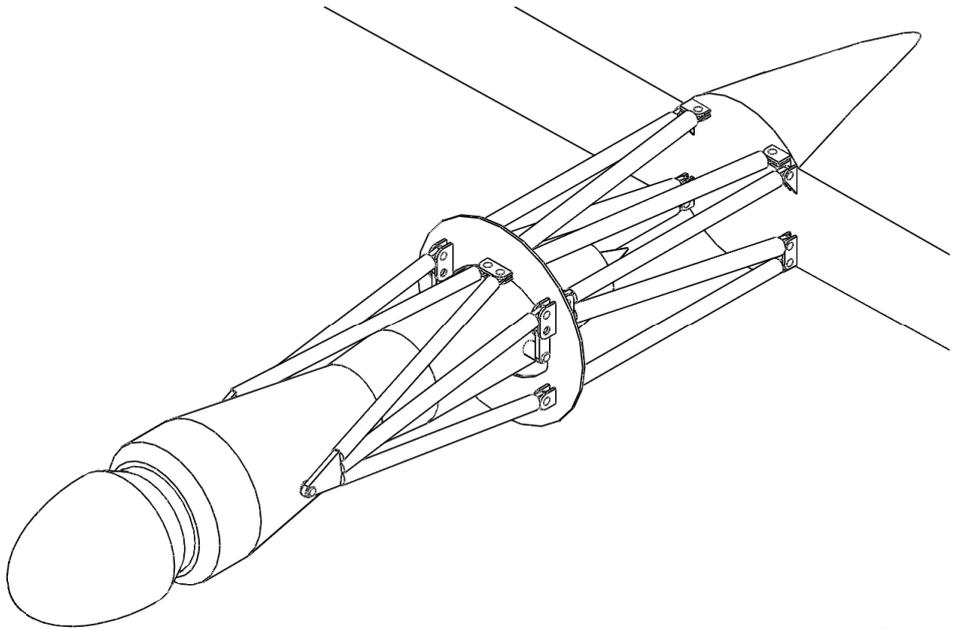
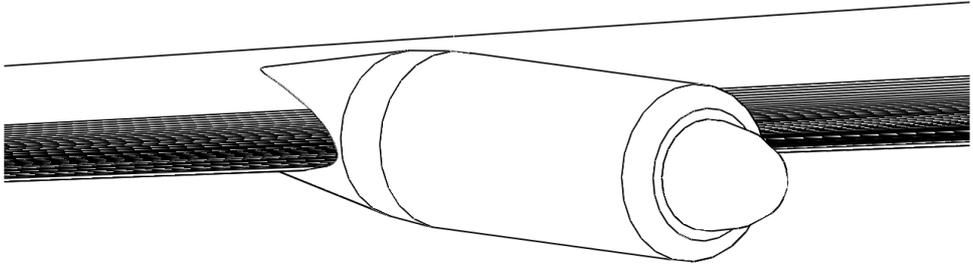


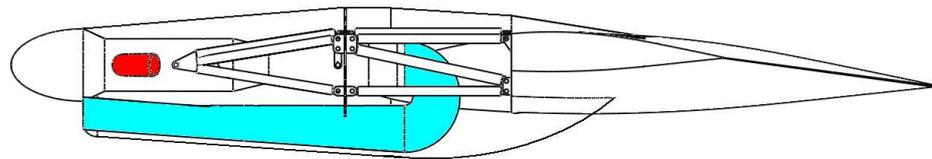
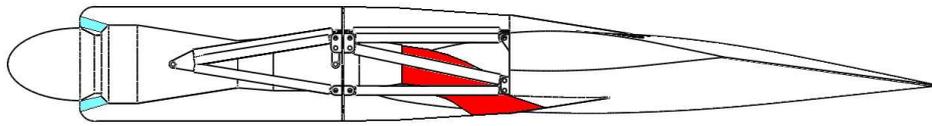
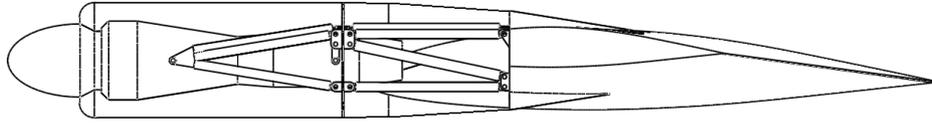


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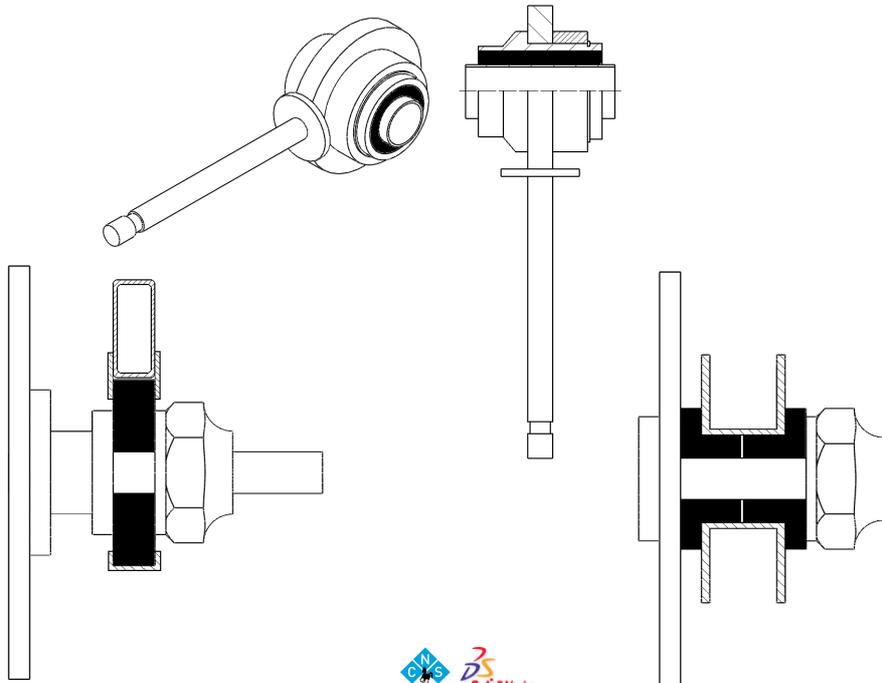
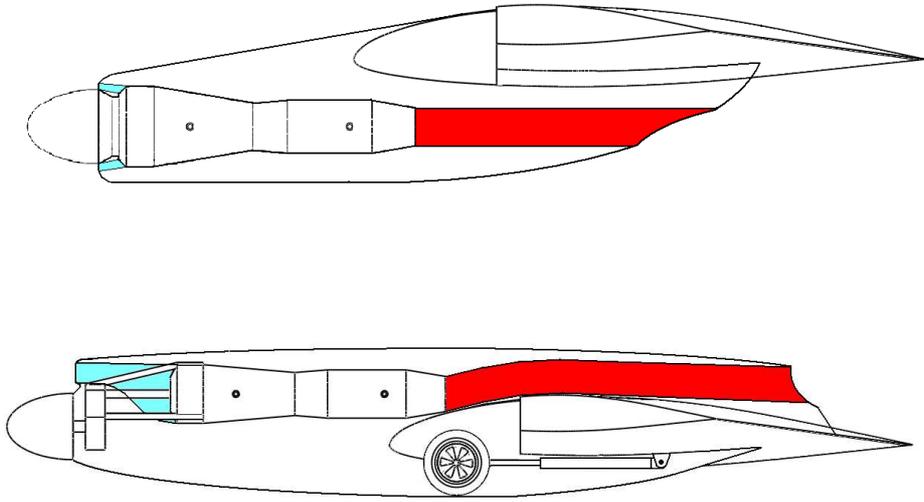




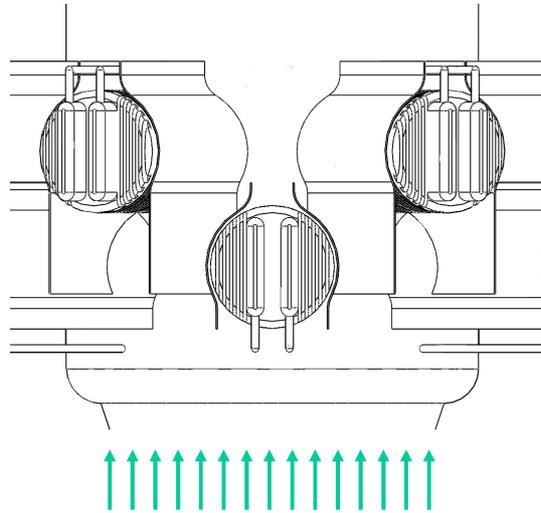
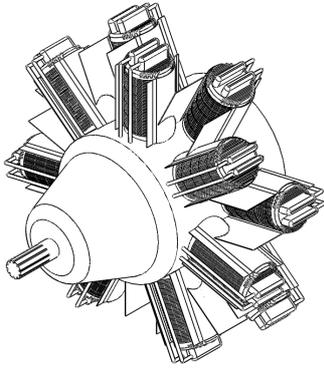




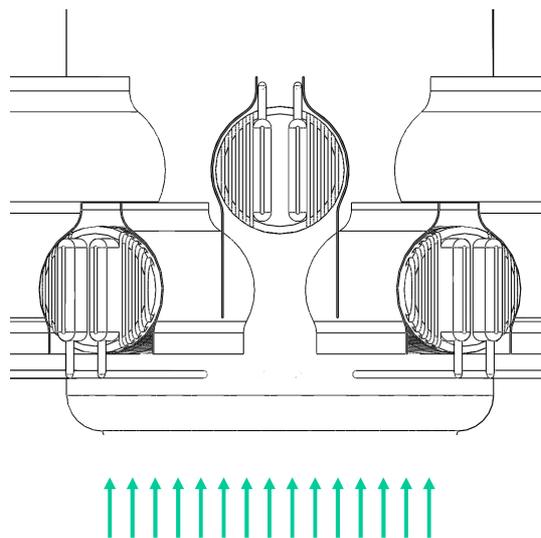
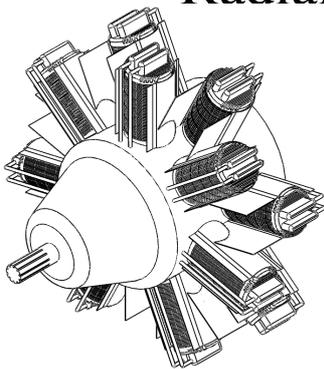
Muzeum Wojska Polskiego Warszawa



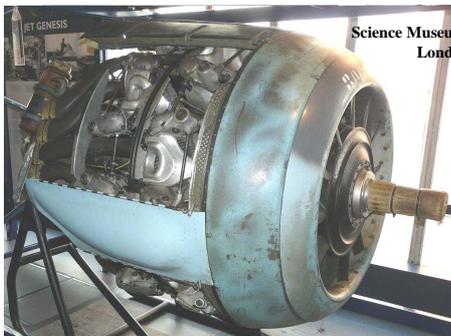
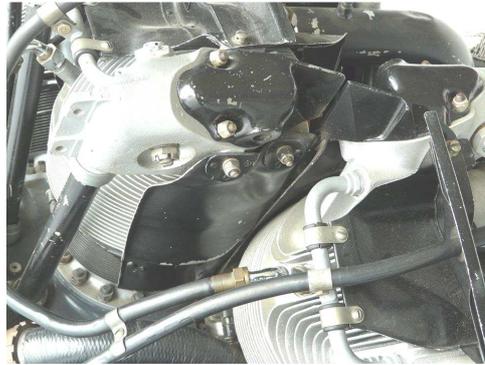
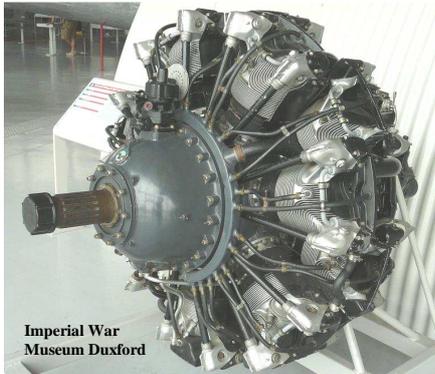
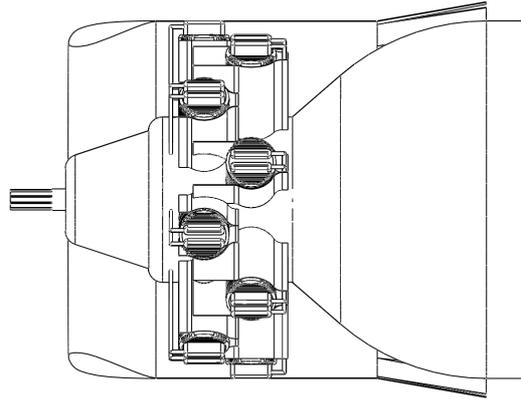
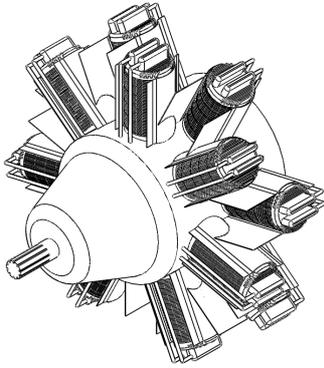
## Radial engine cooling



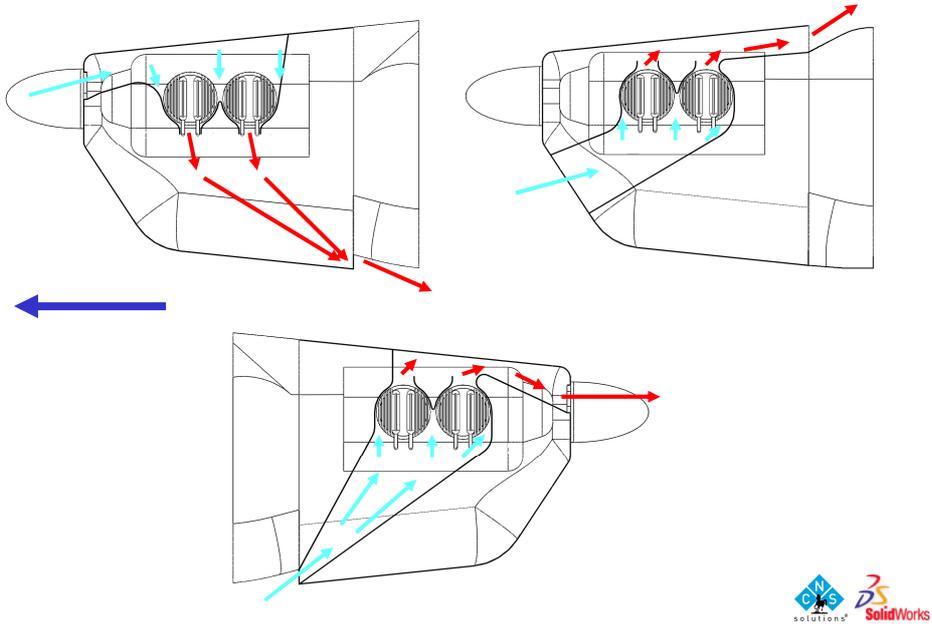
## Radial engine cooling



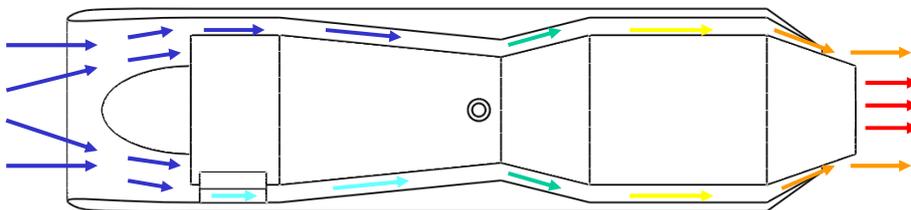
# Radial engine cooling



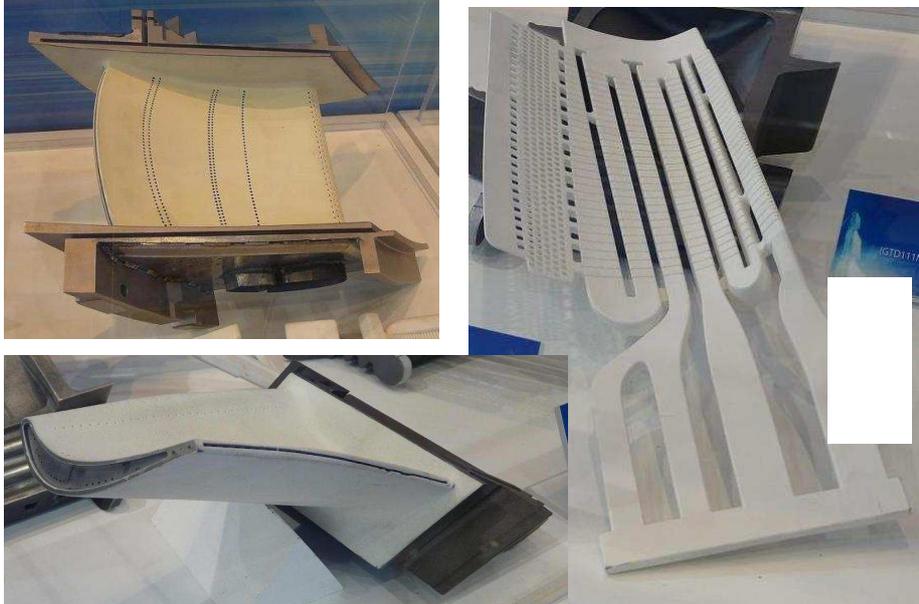
## Boxer engine cooling



## Jet engine cooling



# Jet engine cooling

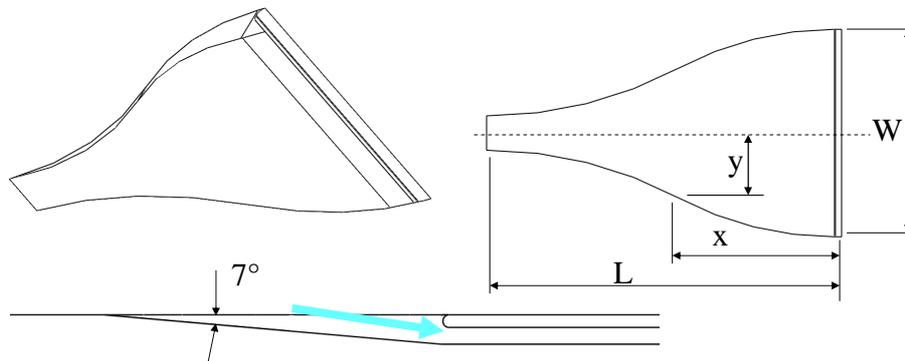


Muzeum Lotnictwa Polskiego Kraków

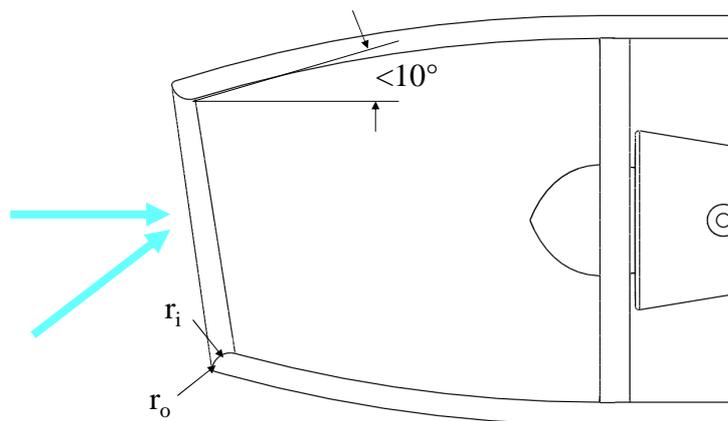


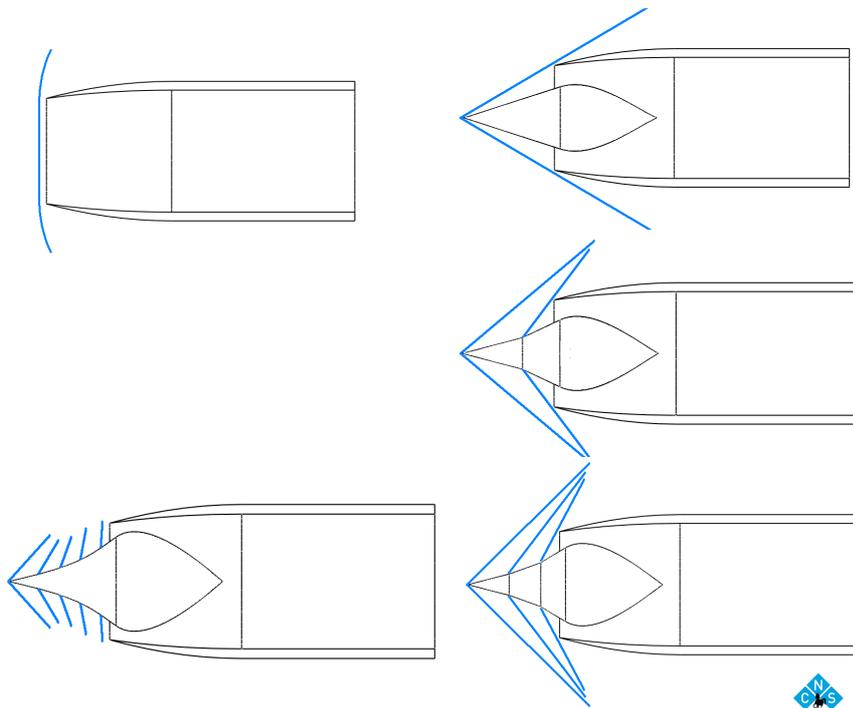
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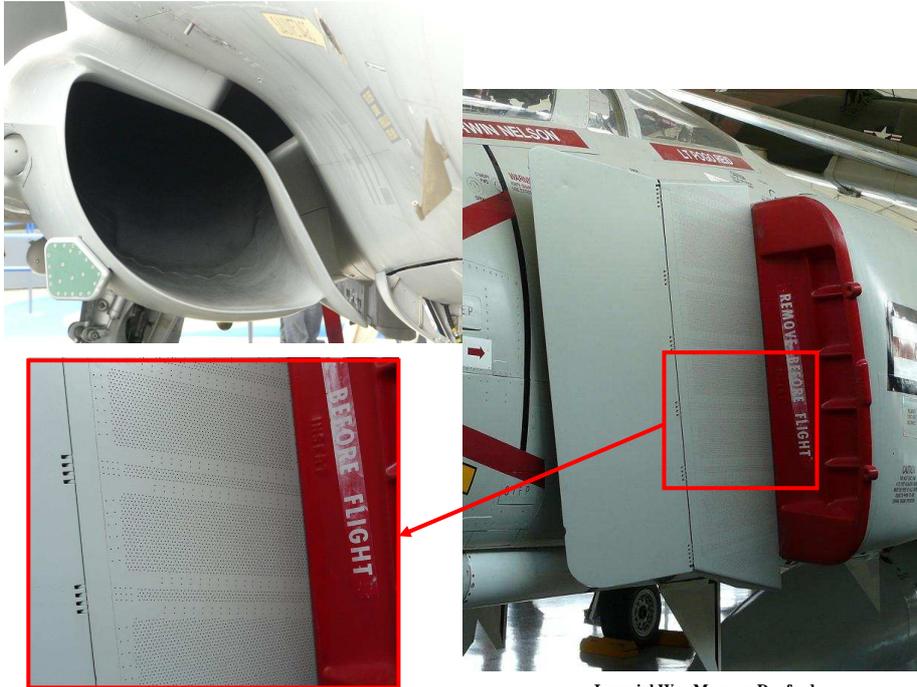


$x/L$	$2y/W$		$x/L$	$2y/W$
1.0	0.083		0.4	0.614
0.9	0.16		0.3	0.766
0.8	0.236	Raymer	0.2	0.916
0.7	0.313		0.1	0.996
0.6	0.389		0.0	1.0
0.5	0.466			



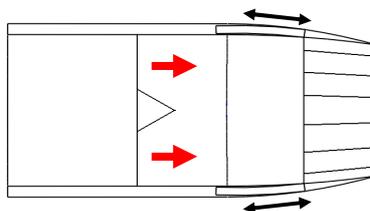
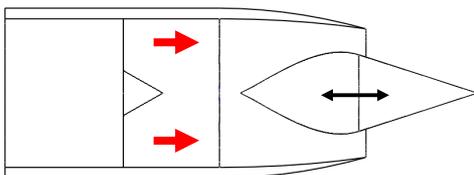
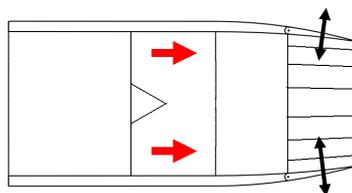
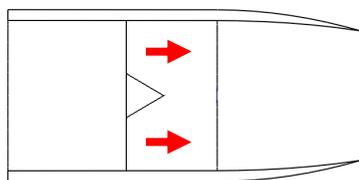


Muzeum Lotnictwa Polskiego Kraków



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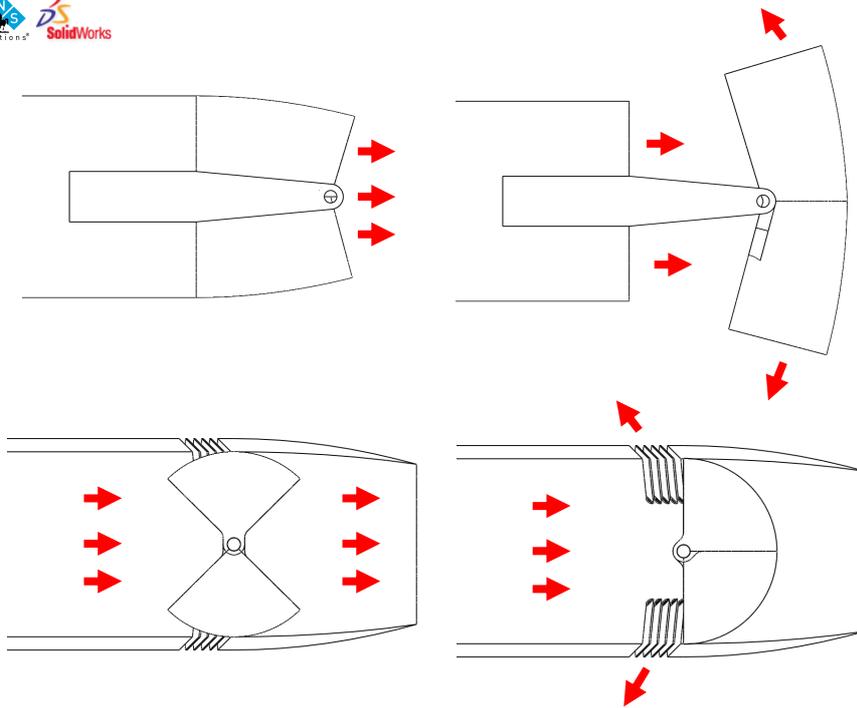


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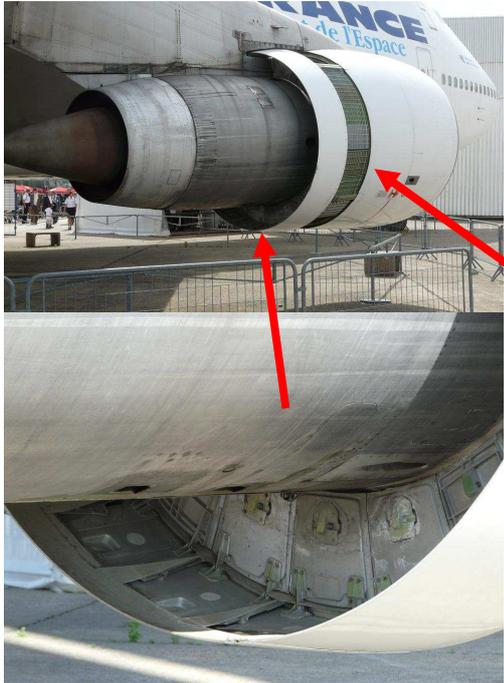


Imperial War Museum Duxford





Muzeum Lotnictwa Polskiego Kraków



Musée de l'Air et de l'Espace Paris



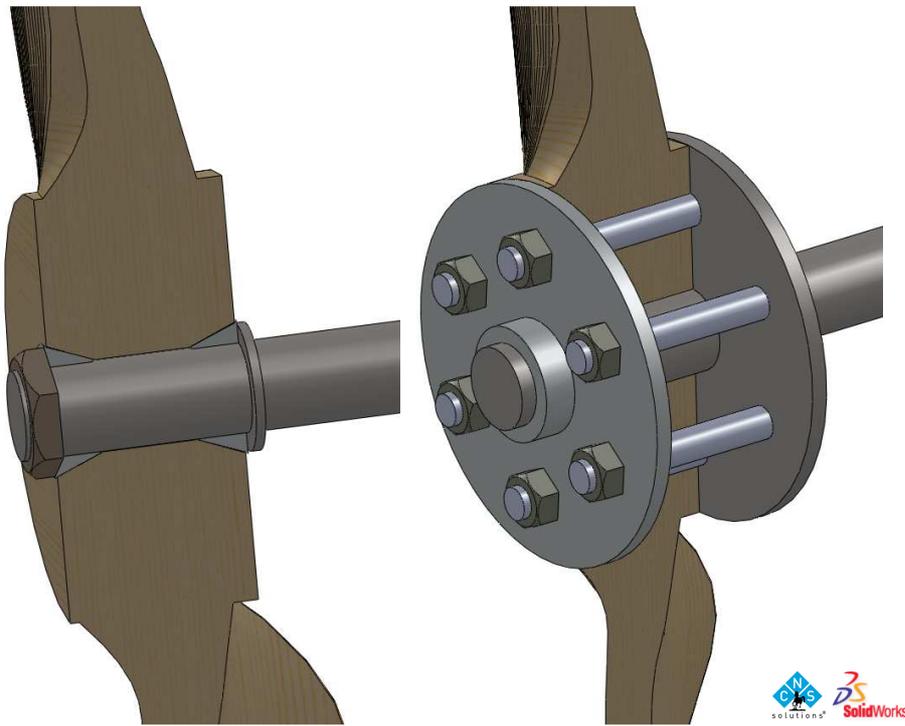
## Propellers

J. Bukowski, W. Łucjanek „Napęd śmigłowy. Teoria i konstrukcja”



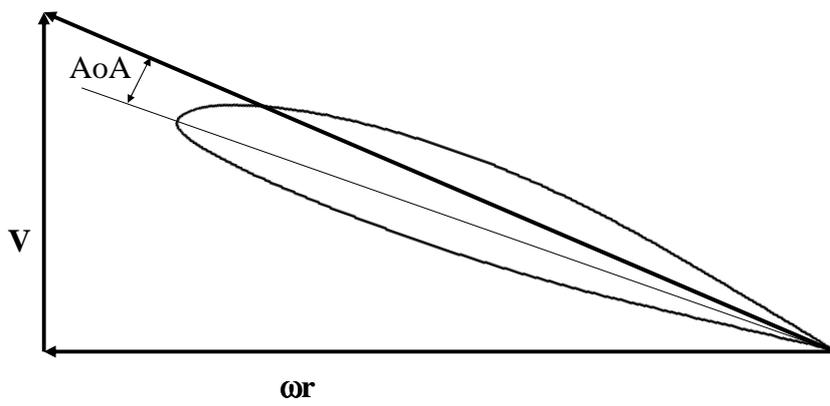
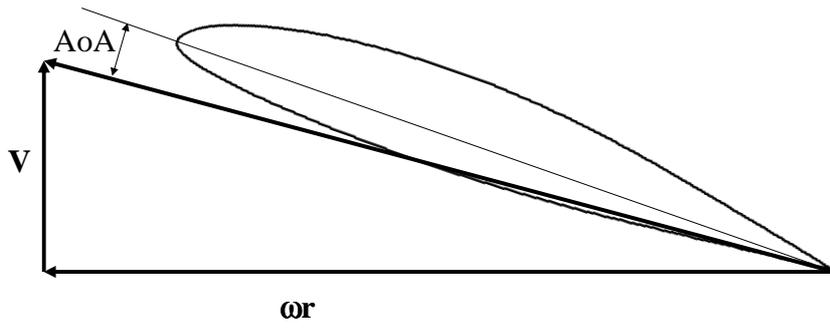
RAF Museum Hendon

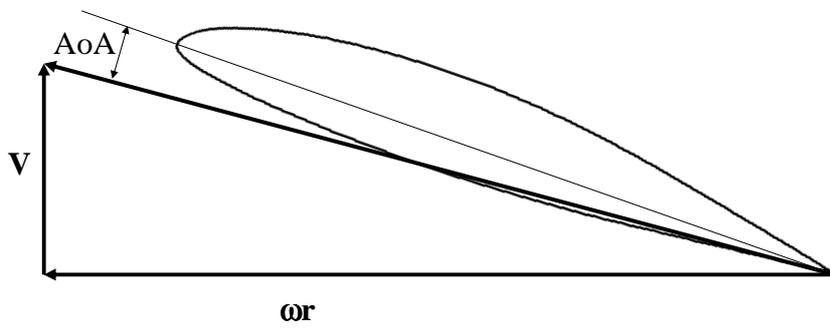
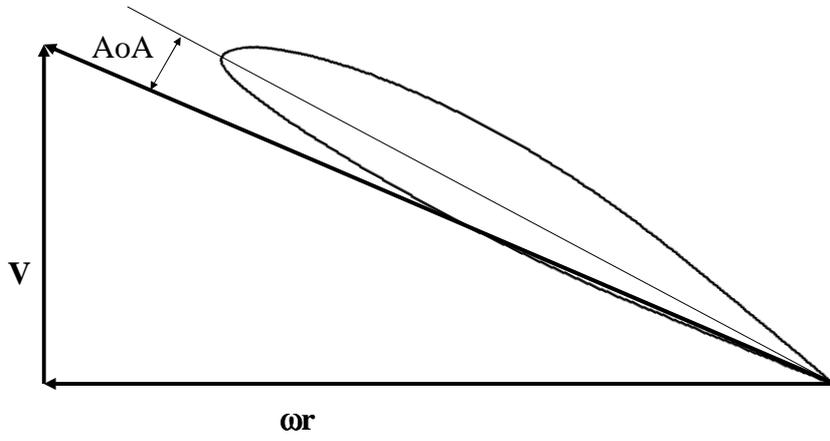


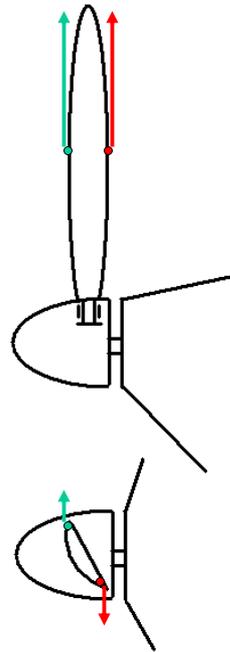
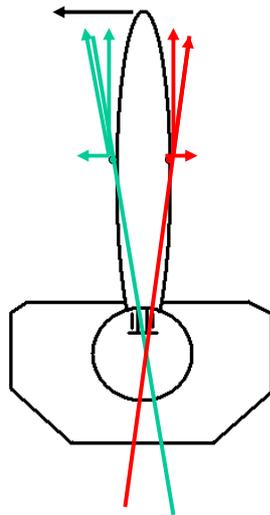
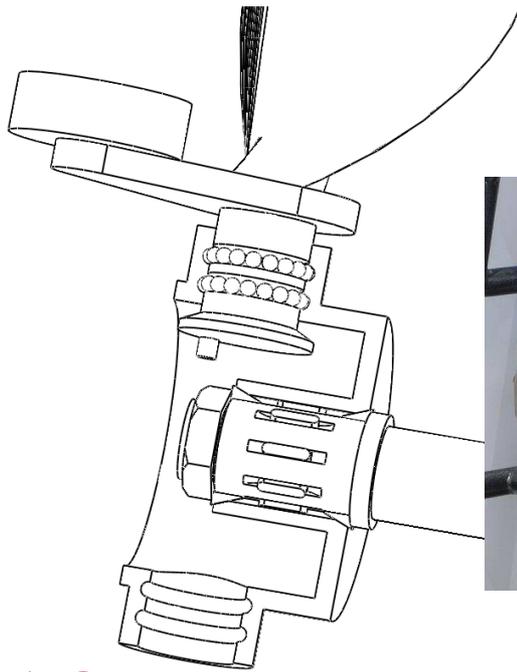


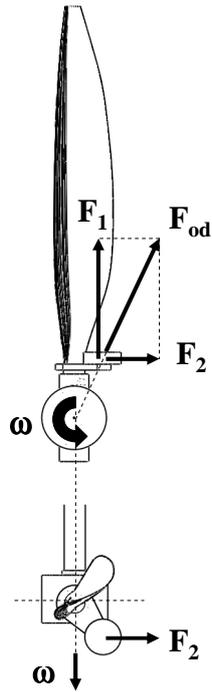
Imperial War Museum Duxford

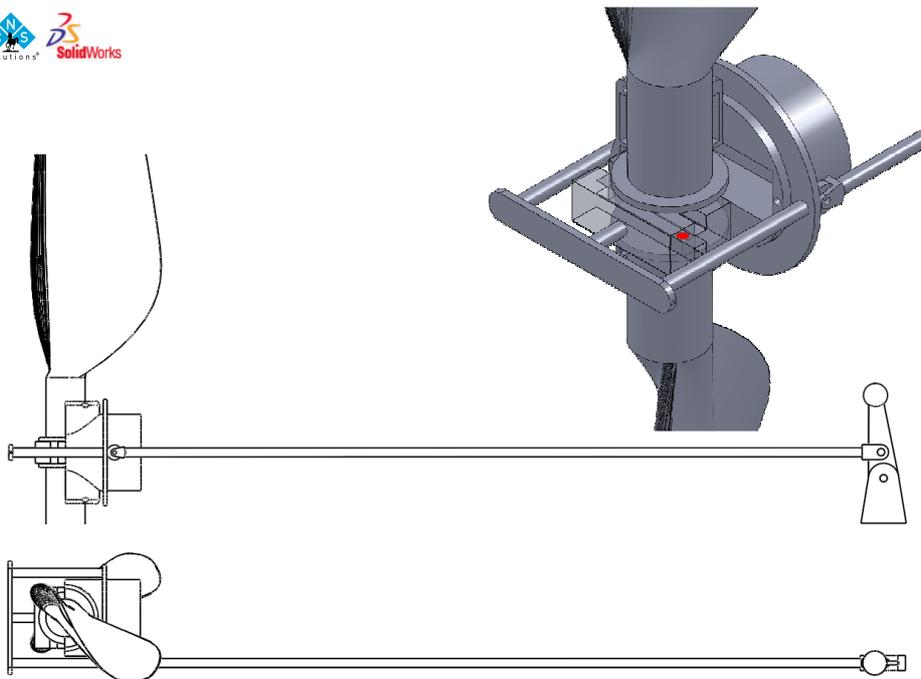
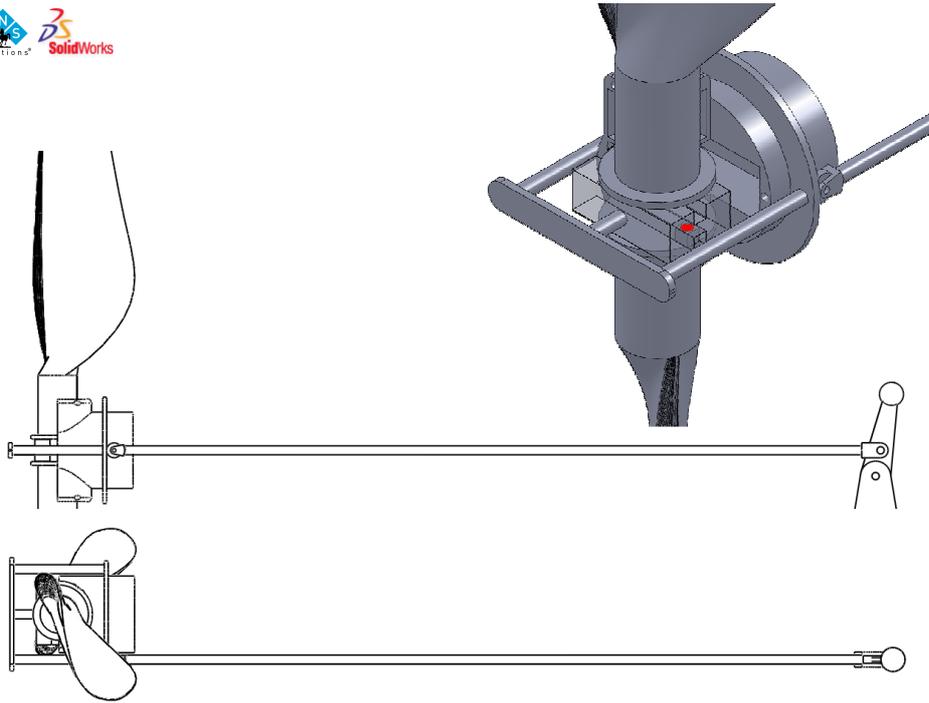


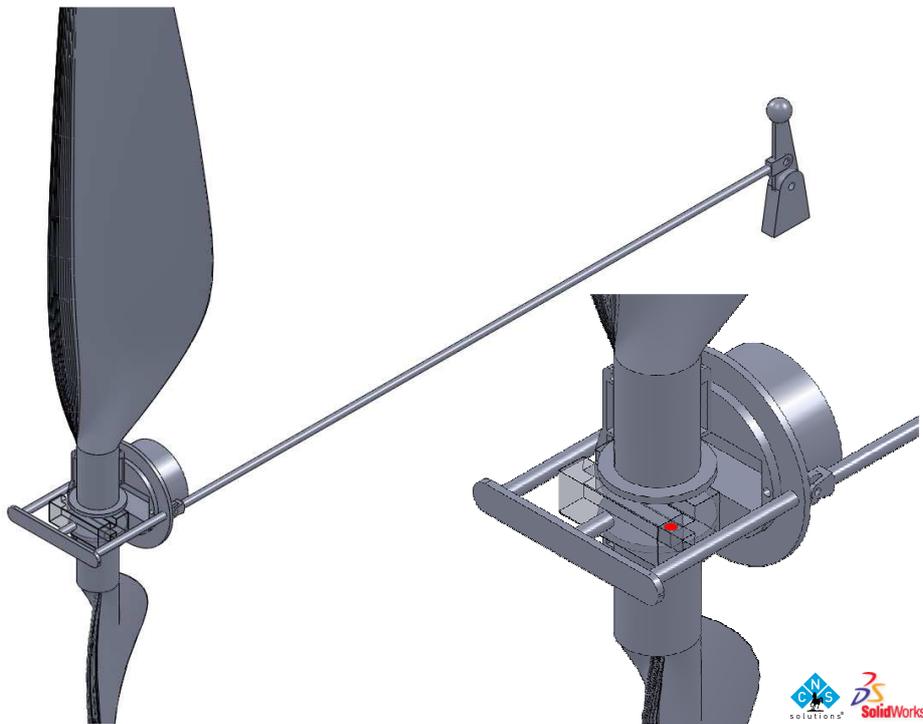
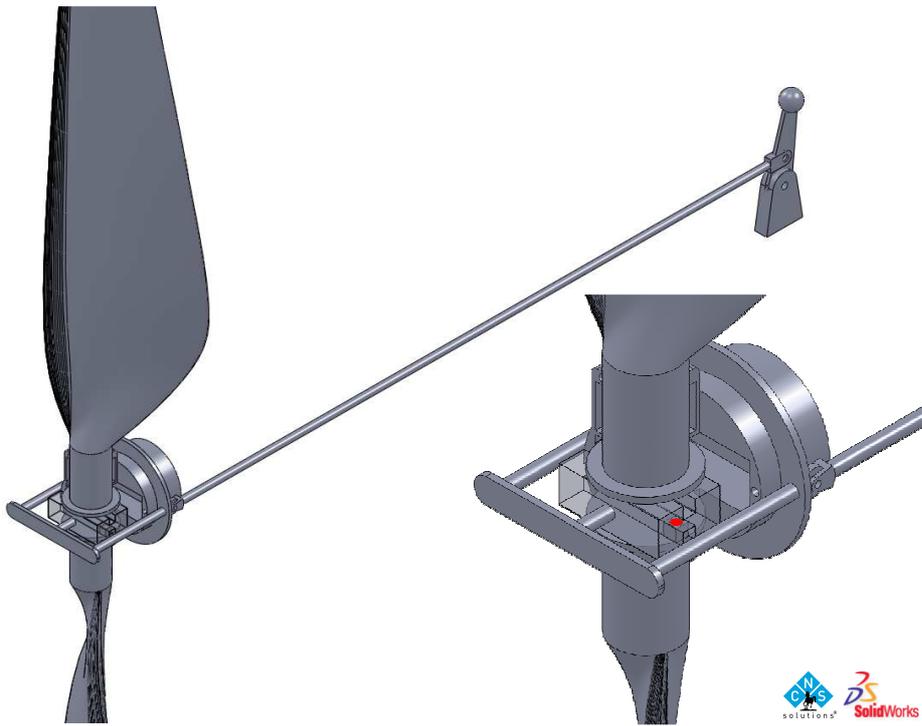


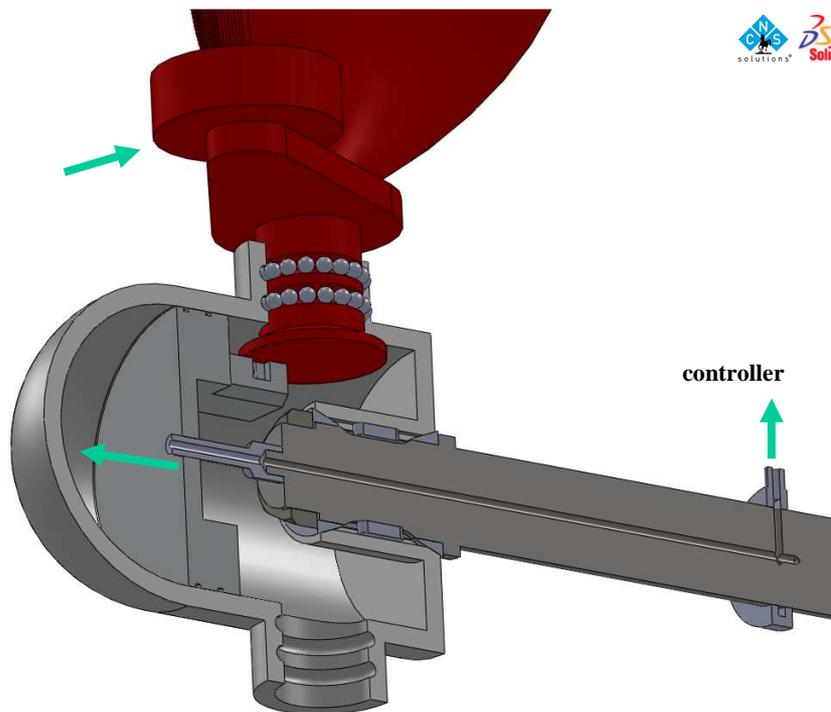
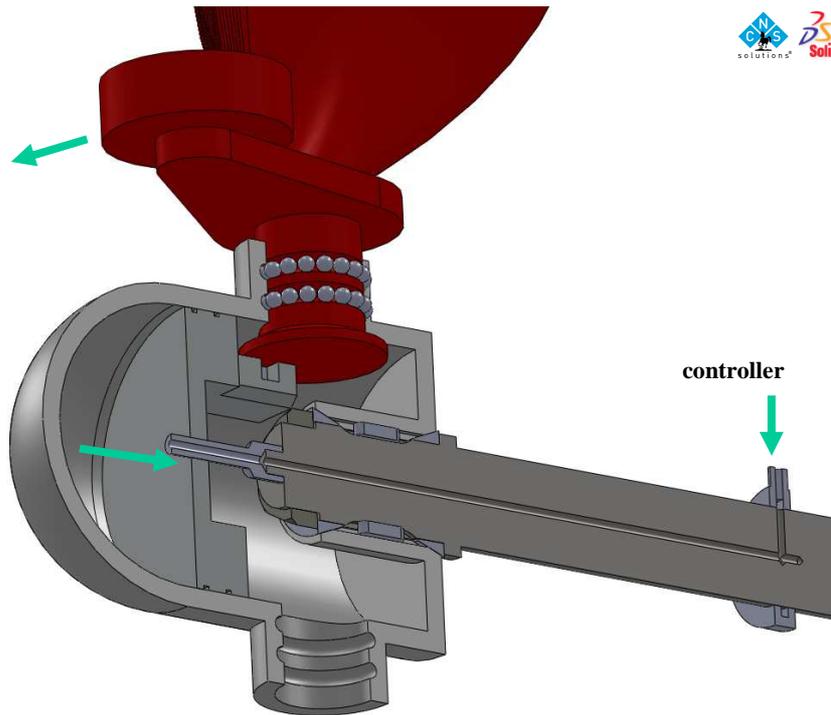


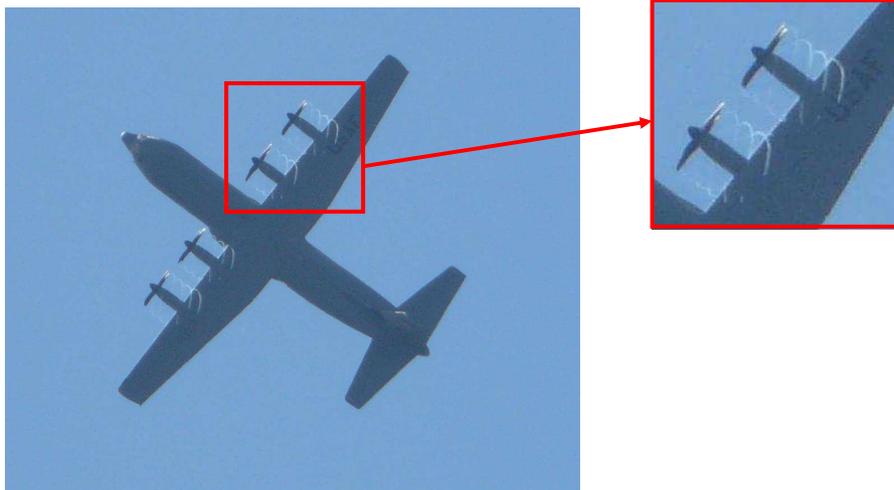
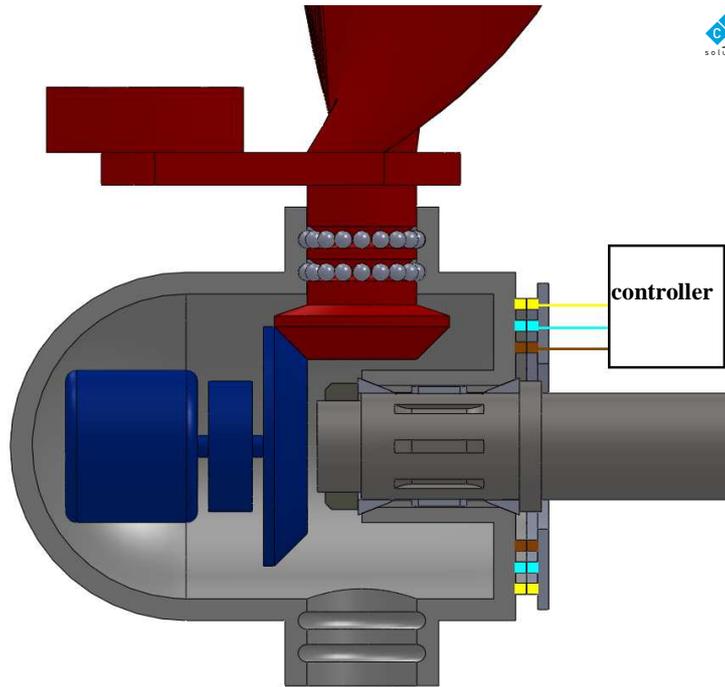




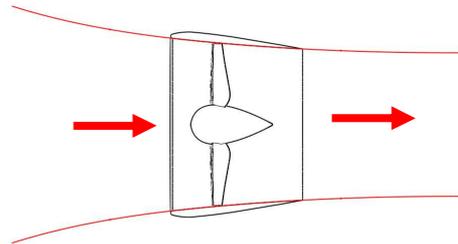
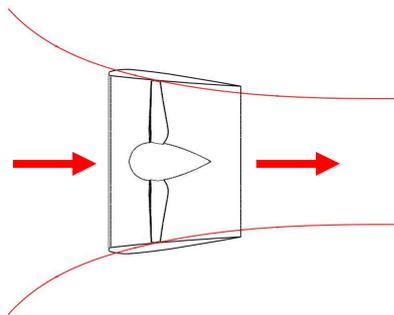
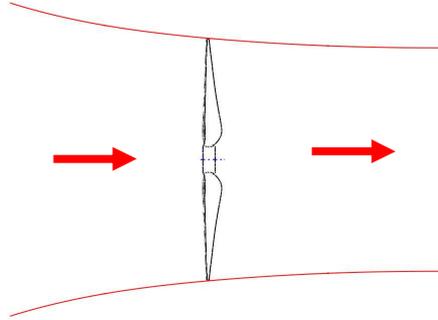
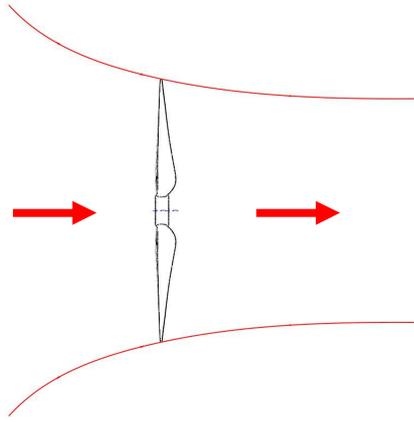
















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