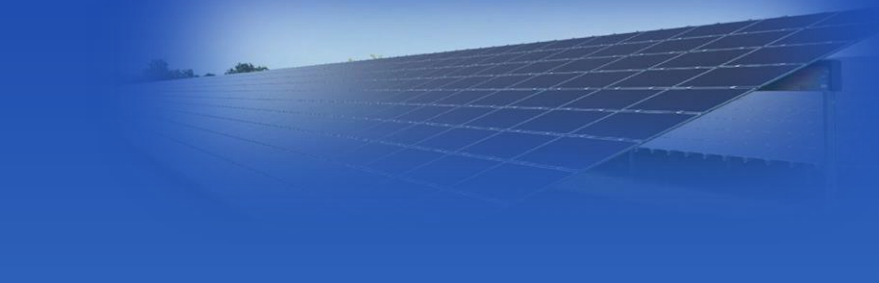


Wind Energy Product Development

Our Phone : (866)-225-1071



Prepared: By Mayier Kahn PhD.

Wind Energy Project Development

- ***Turbine, & Supply Chain Impacts Induced Impacts***
- **Blades, towers, gear boxes**
- **Jobs and earnings that result from the spending supported by the project,**

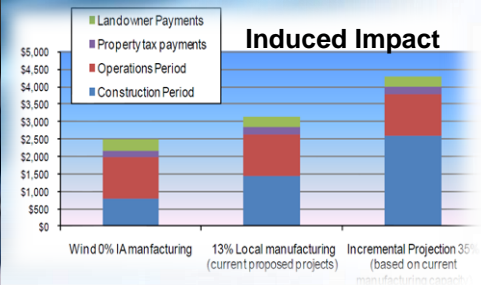
Wind Energy's Economic Impacts is Ever Green way

The Best Electricity Rates



Local Revenue

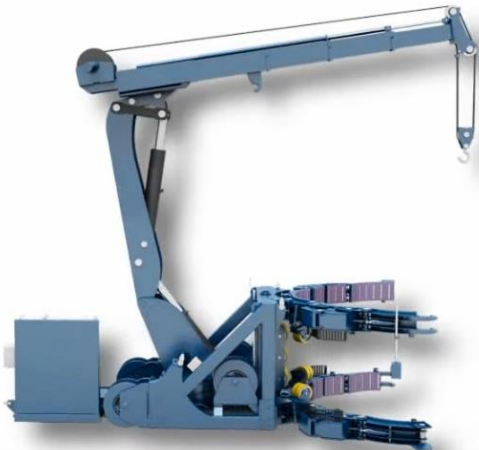
Chain Impacts Induced Impacts •Blades, towers, gear boxes Jobs and earnings that result from the spending supported by the project, including benefits to locals



Keeping Power rates low and keeping alive the notions Economy

Acerts Wind Services

Acerts wind turbine fleet is one of the promising state of art reliable in the world. With a global installation wind turbines and a diverse portfolio of renewable energy technologies, Acerts Energy has the worldwide resources and expertise to help customers meet their needs for cleaner, more reliable and efficient energy. Building on a strong power generation heritage spanning more than a century, our world class services organization operates locally and has decades of experience in delivering solutions to our customers. Our full suite of wind service solutions has been built on our continued commitment to maximizing customer value by increasing turbine reliability and availability, reducing down turbine time and improve lifetime performance of wind turbine assets world-wide



Current Market Products



SEA Installation



Deep Water Concept

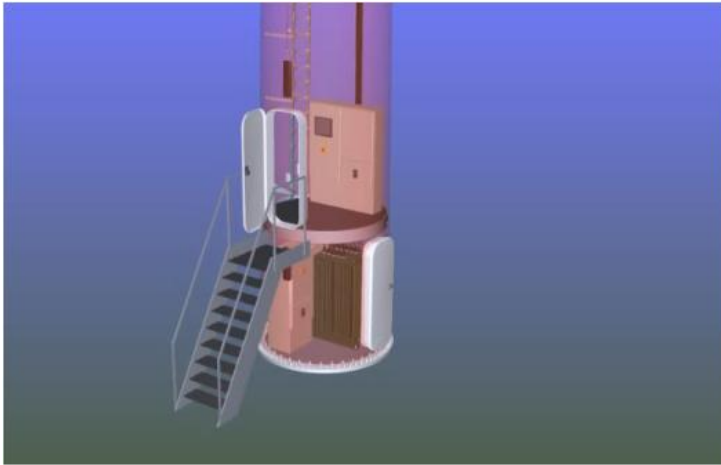
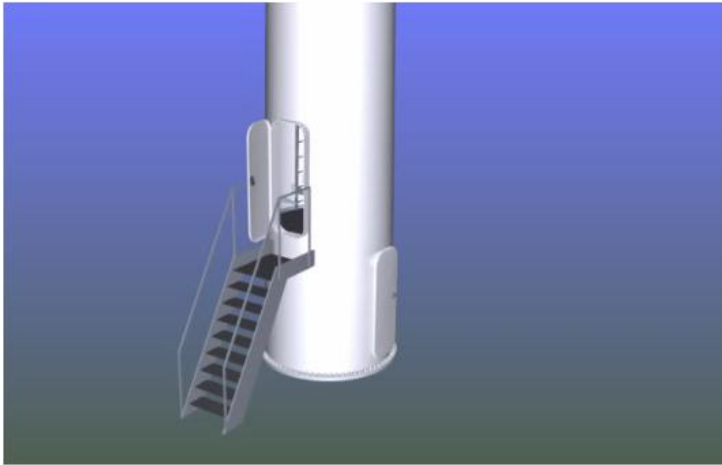


Shallow Water Concept

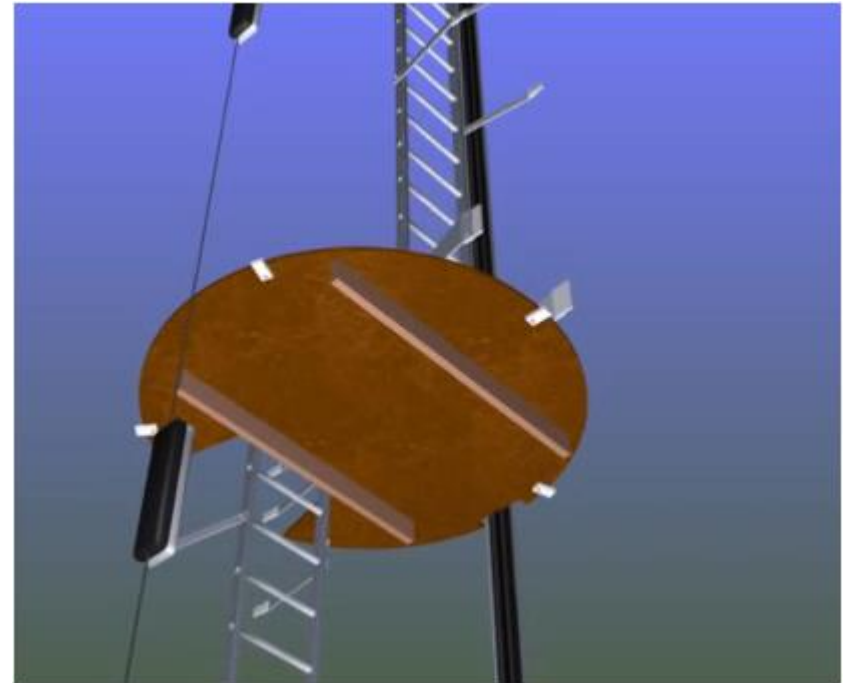
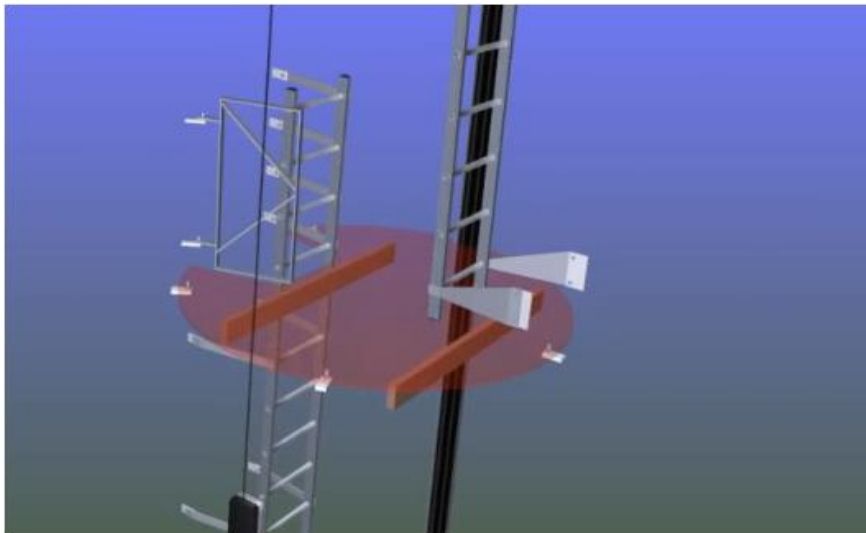


Development Stages

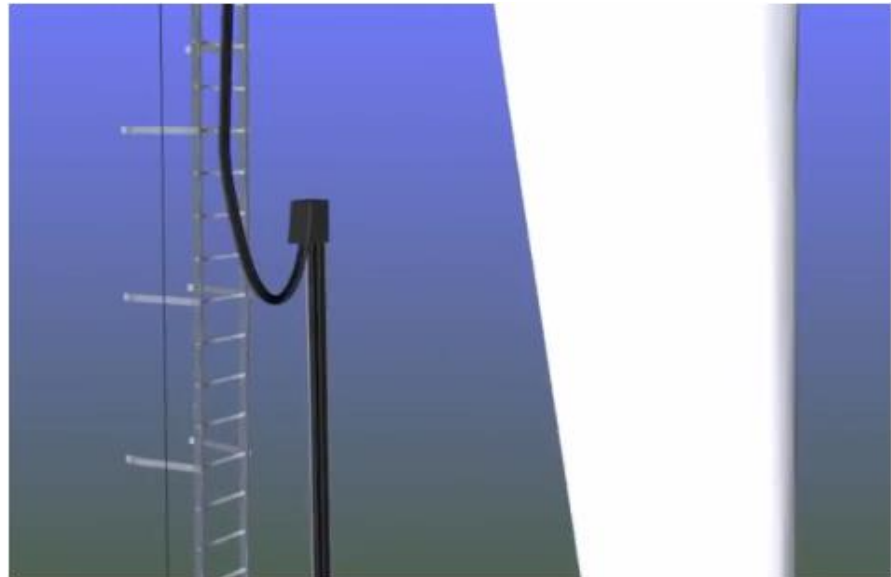
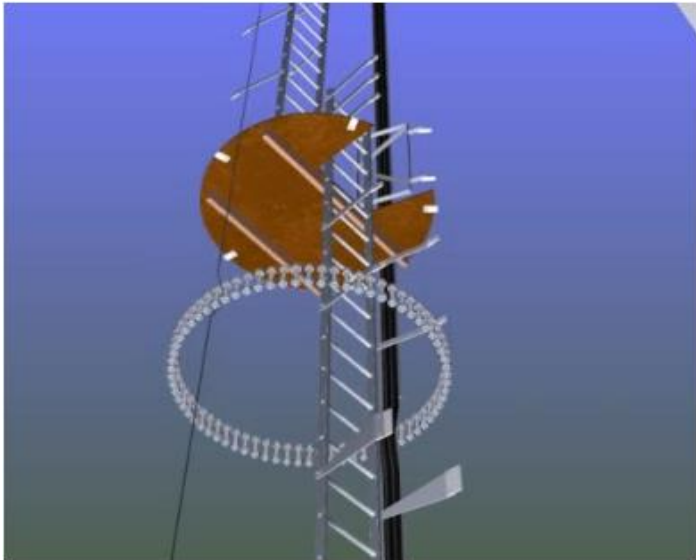
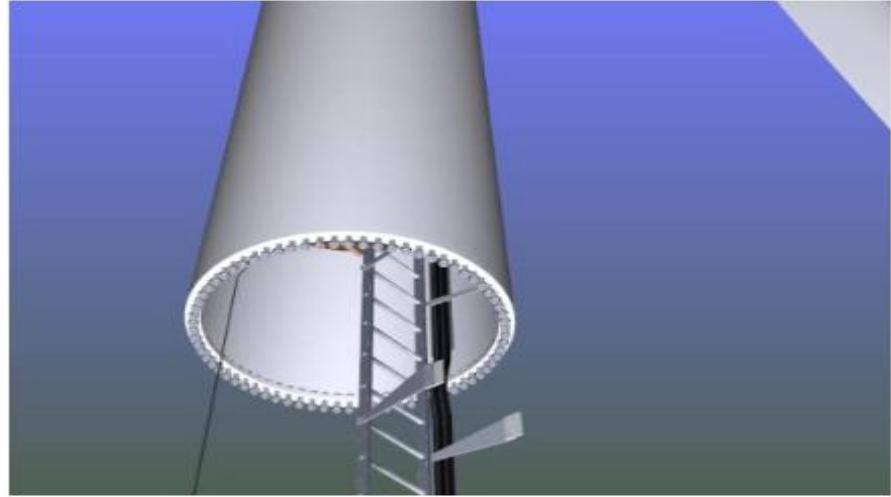
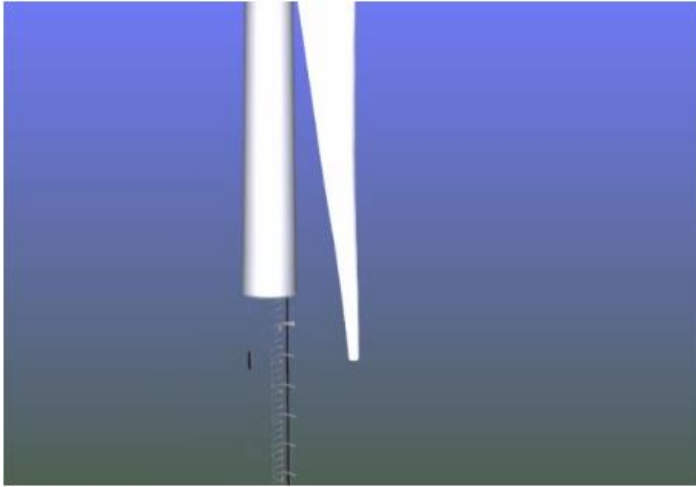
Transformer Location



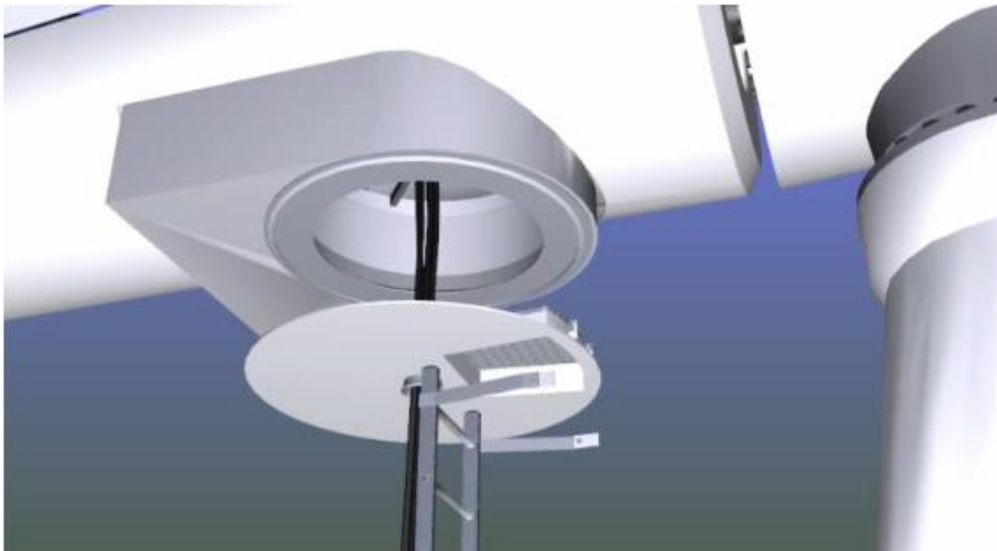
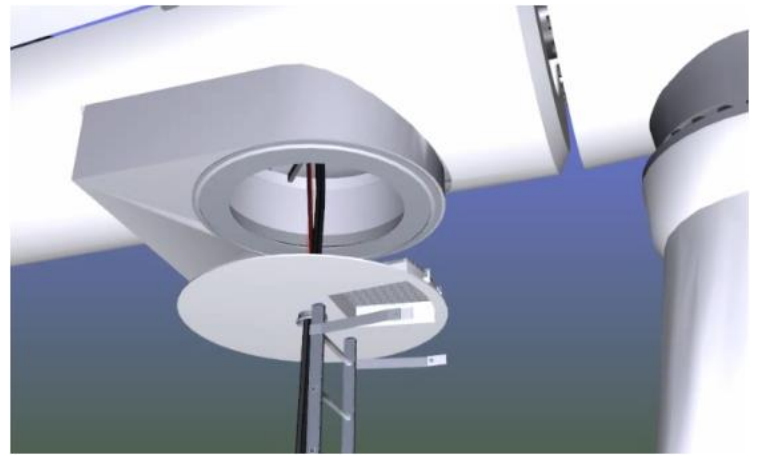
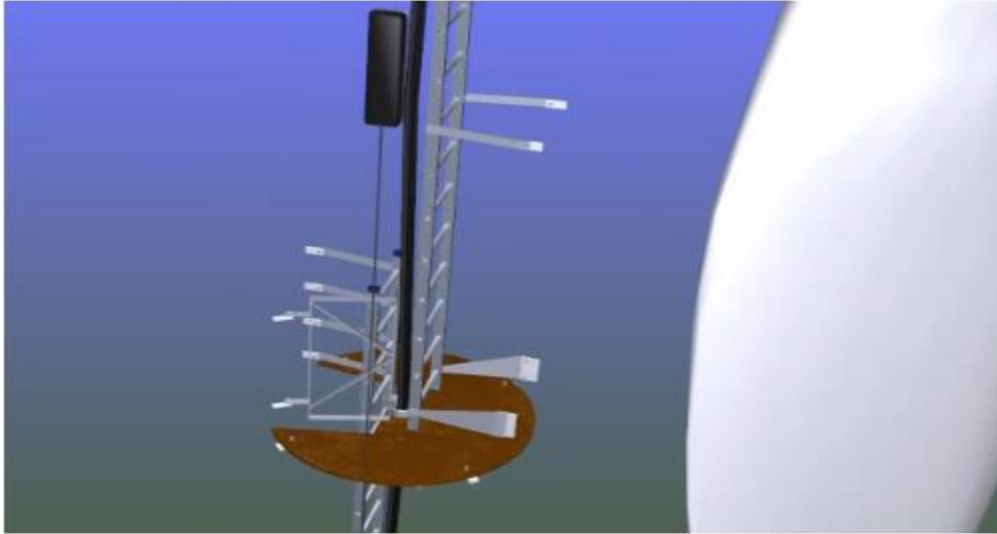
3-D CAD Mockups



3-D CAD Mockups



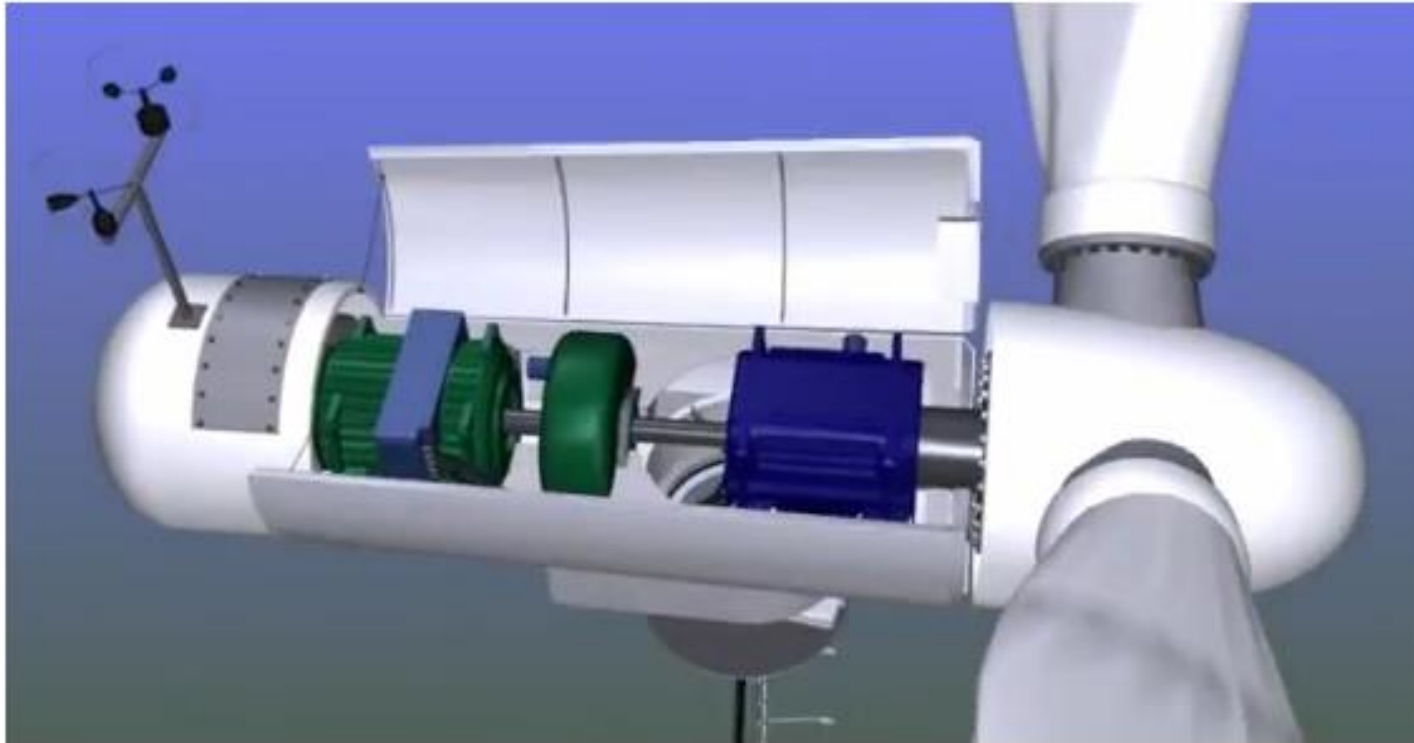
3-D CAD Mockups



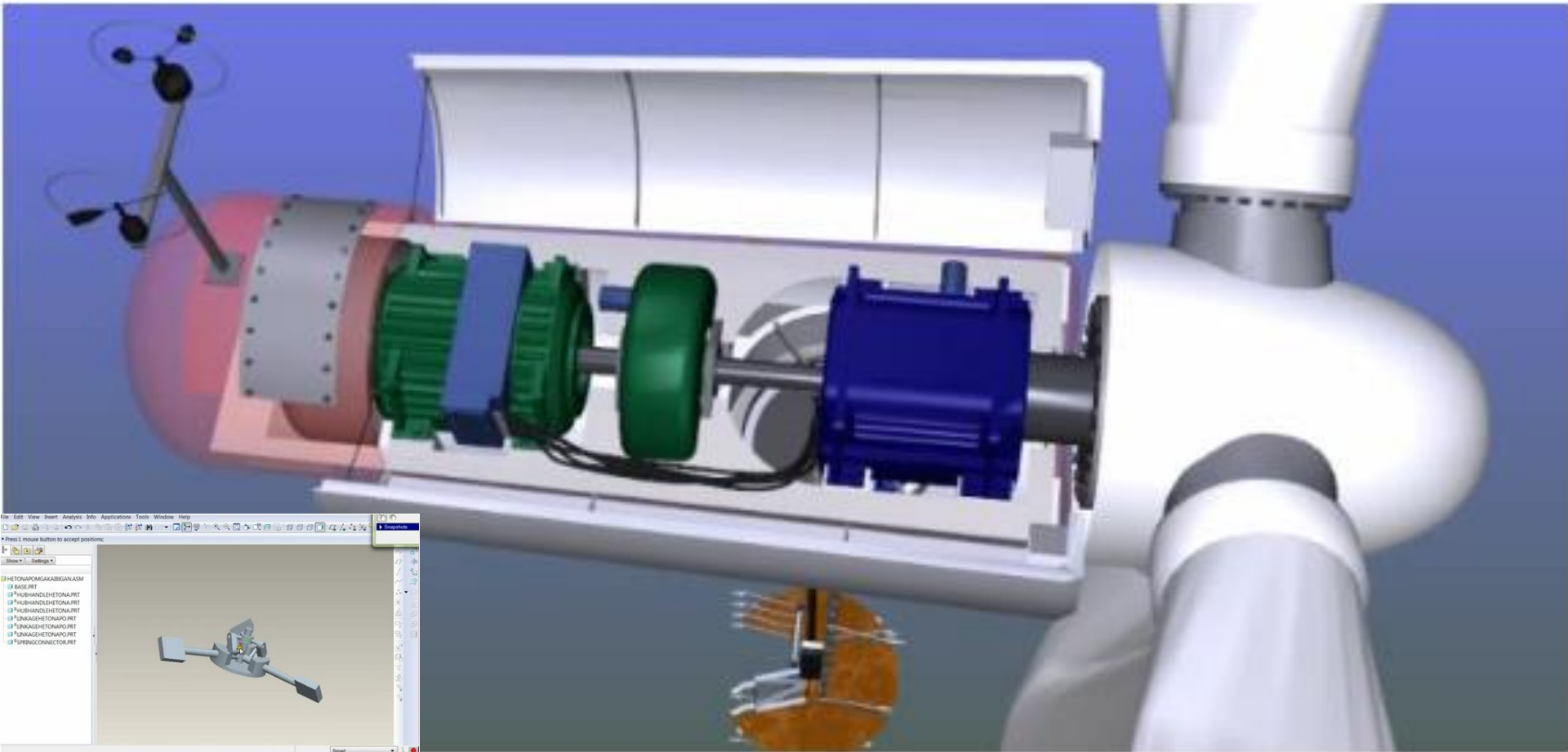
Generator 690 V 30 to 40 KW



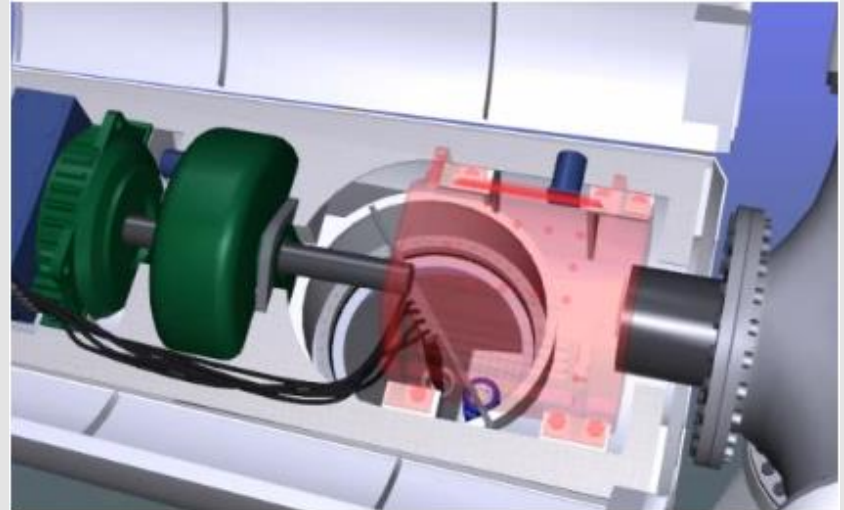
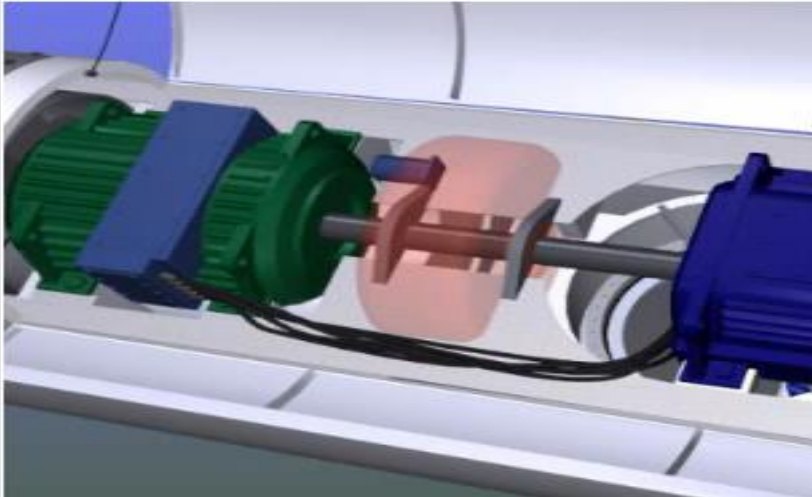
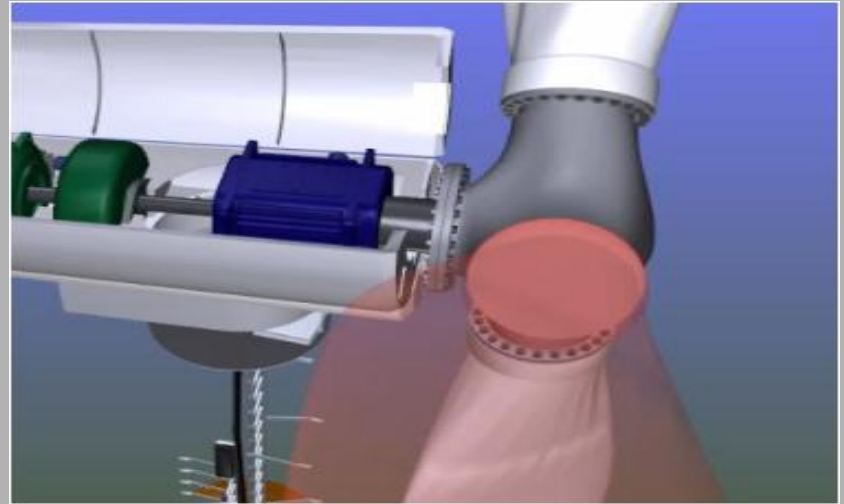
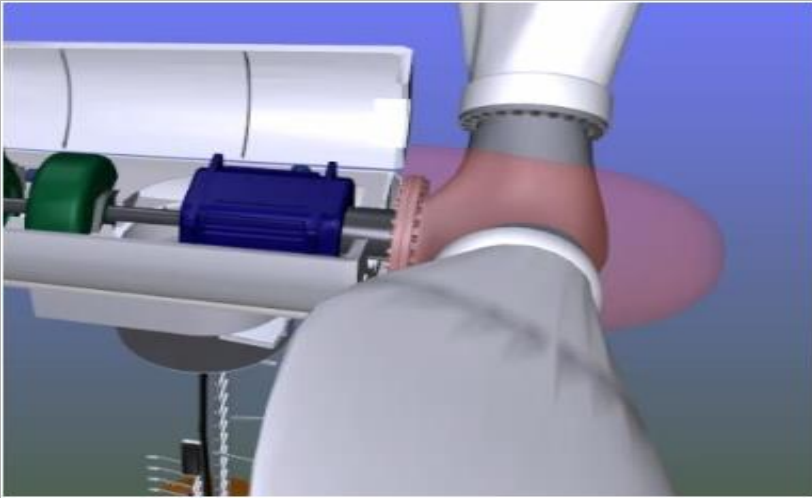
Development Stages



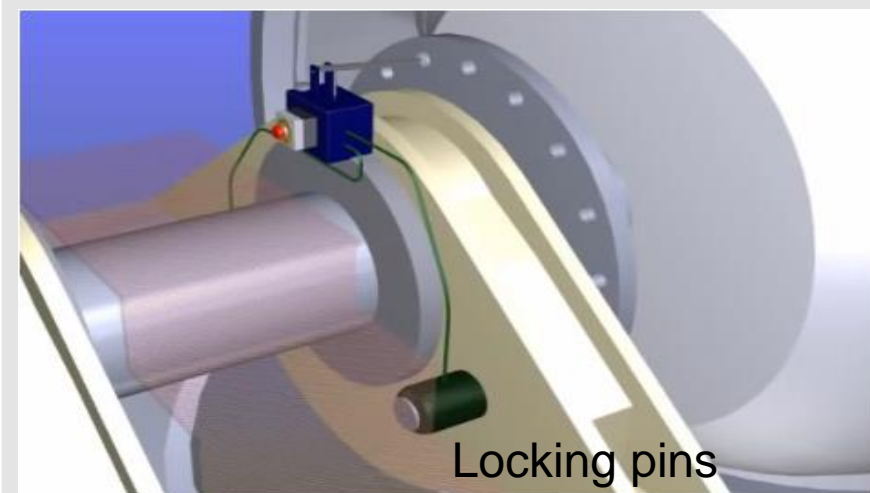
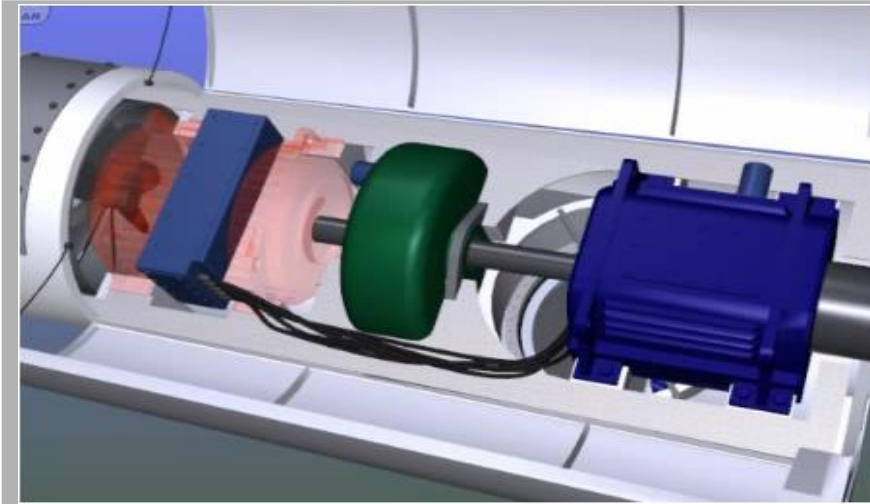
Development Stages



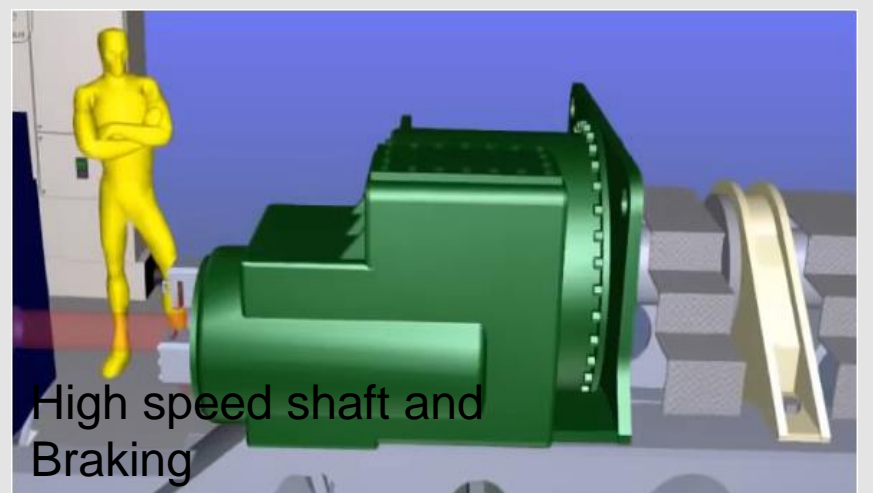
Development Stages



Gear Box

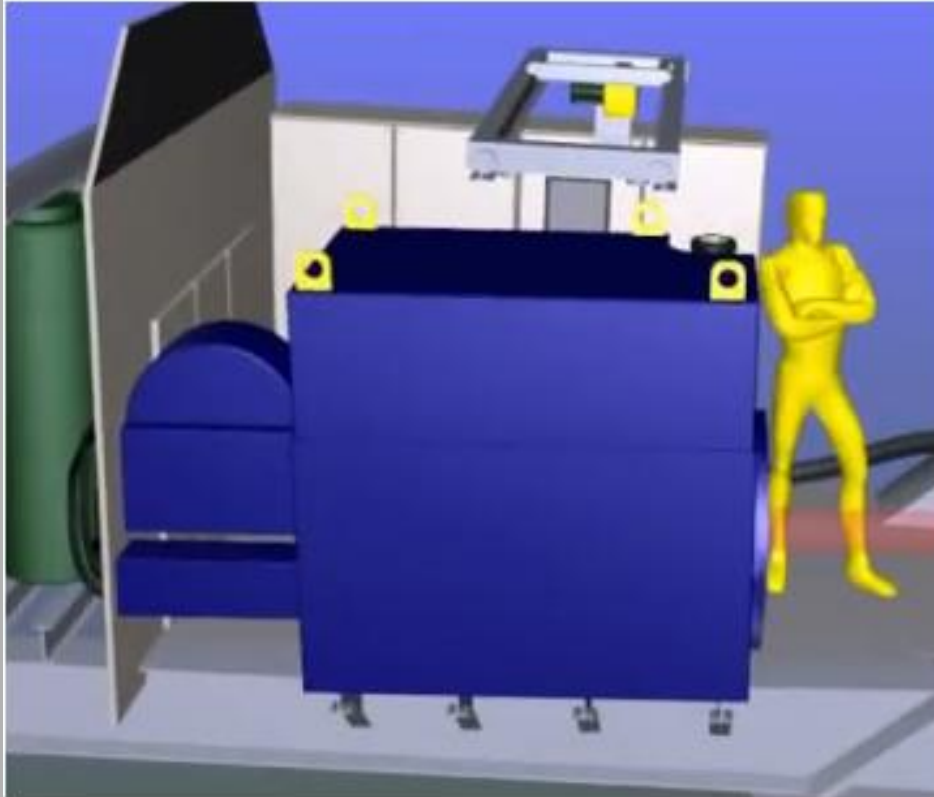


Locking pins



High speed shaft and Braking

Larger power Units

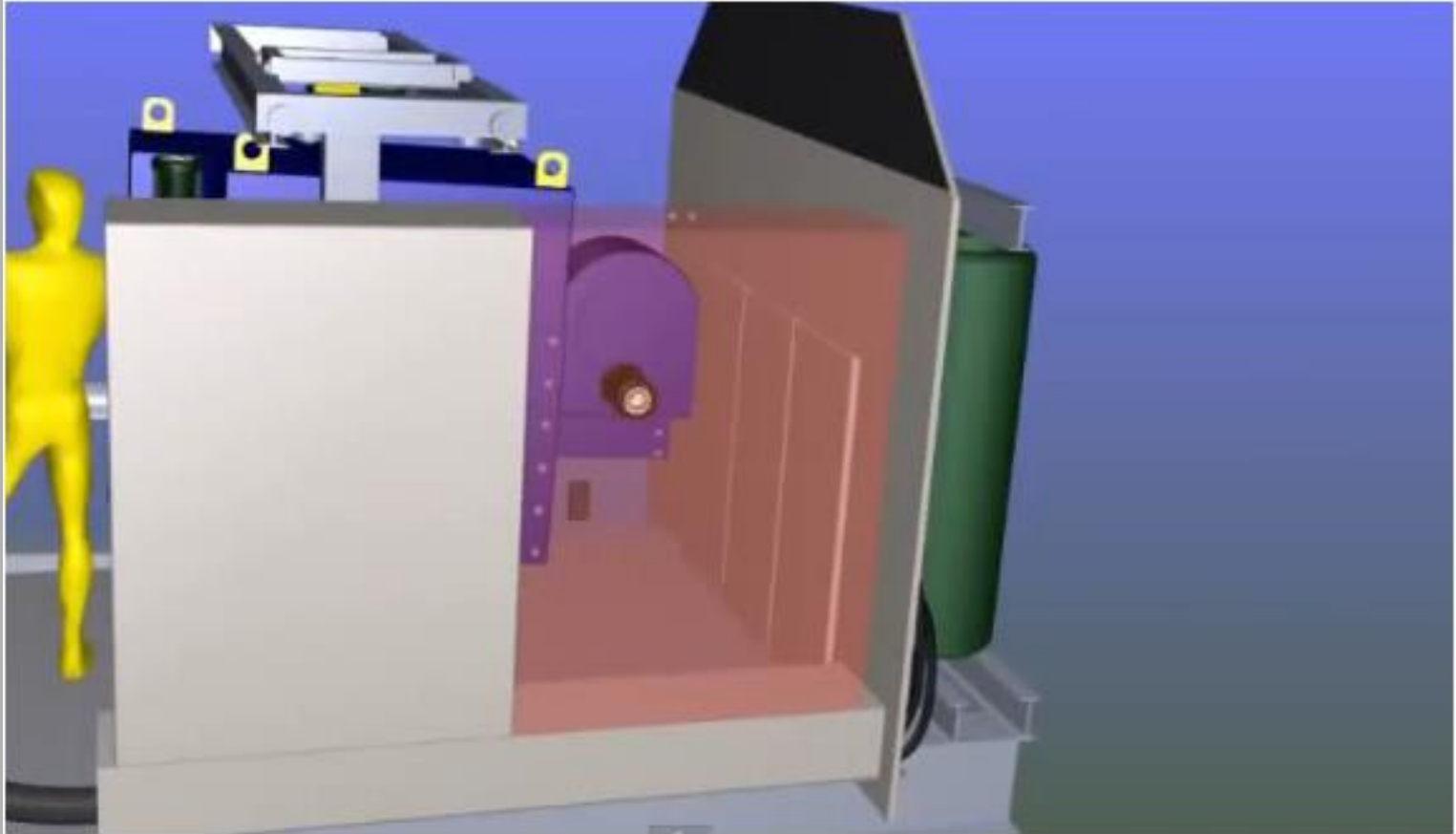


Over one Mega
watt Electrical
units are Water
filled or oil filed
cooling generator

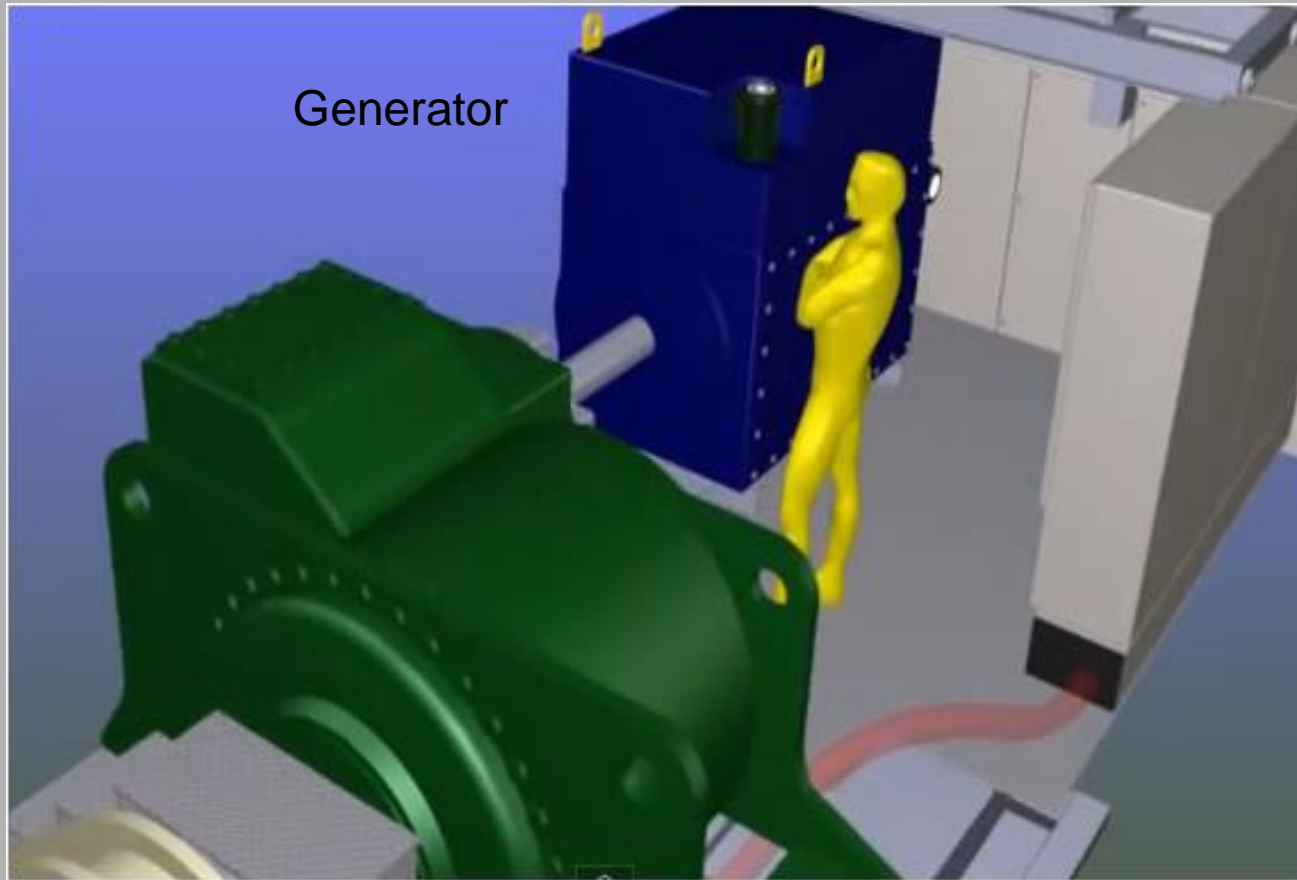
Space Utilization



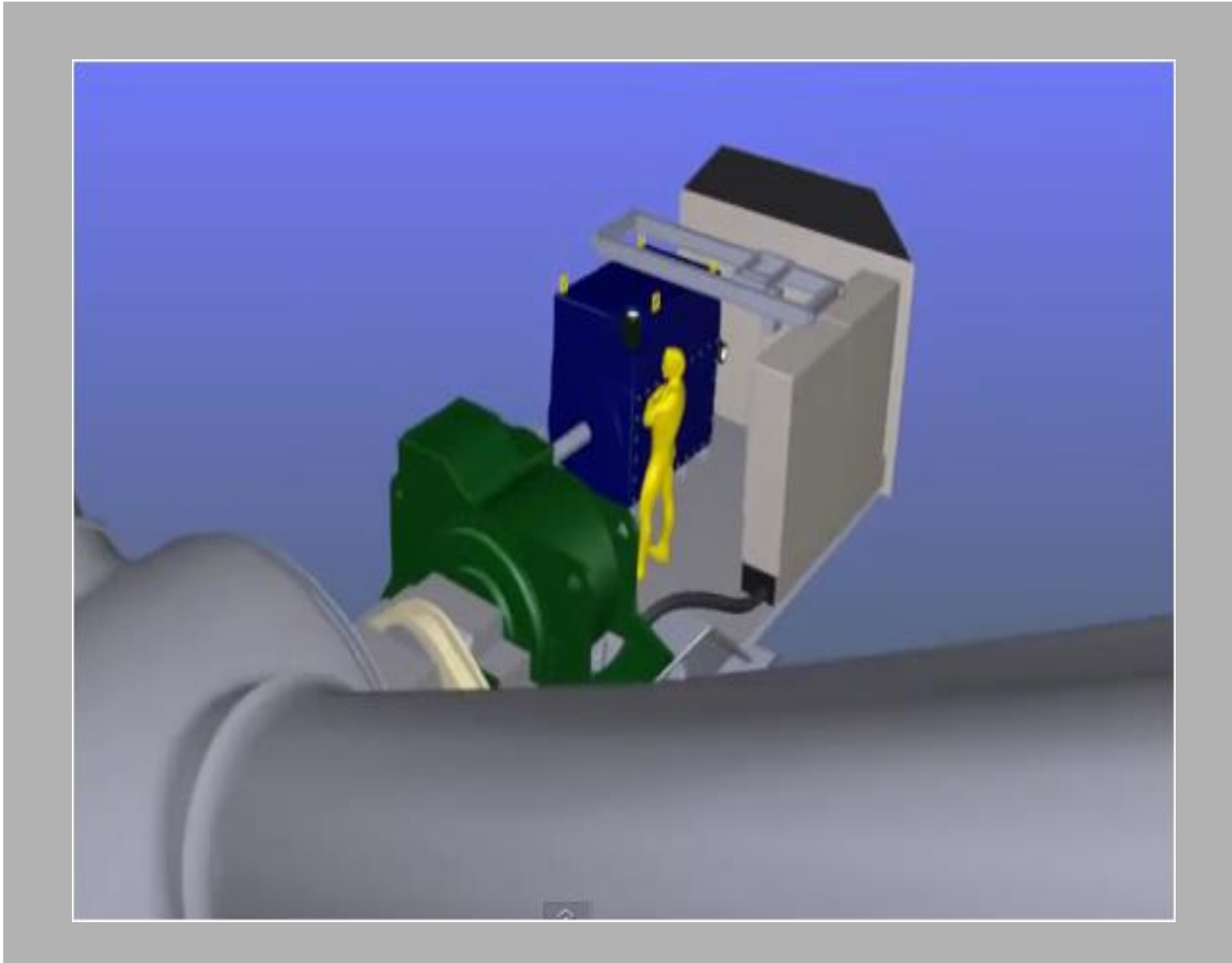
Space Utilization



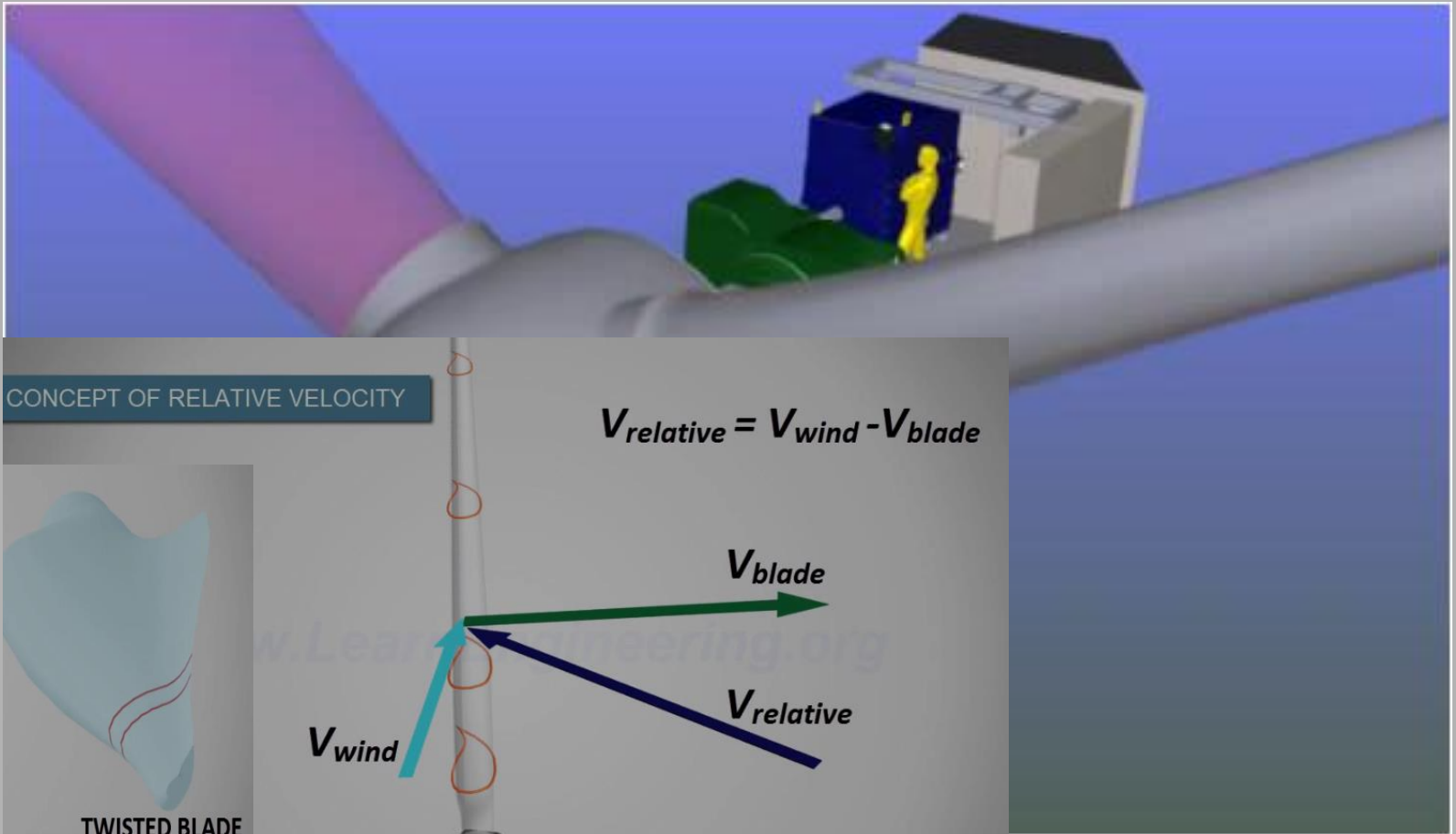
Generator Location



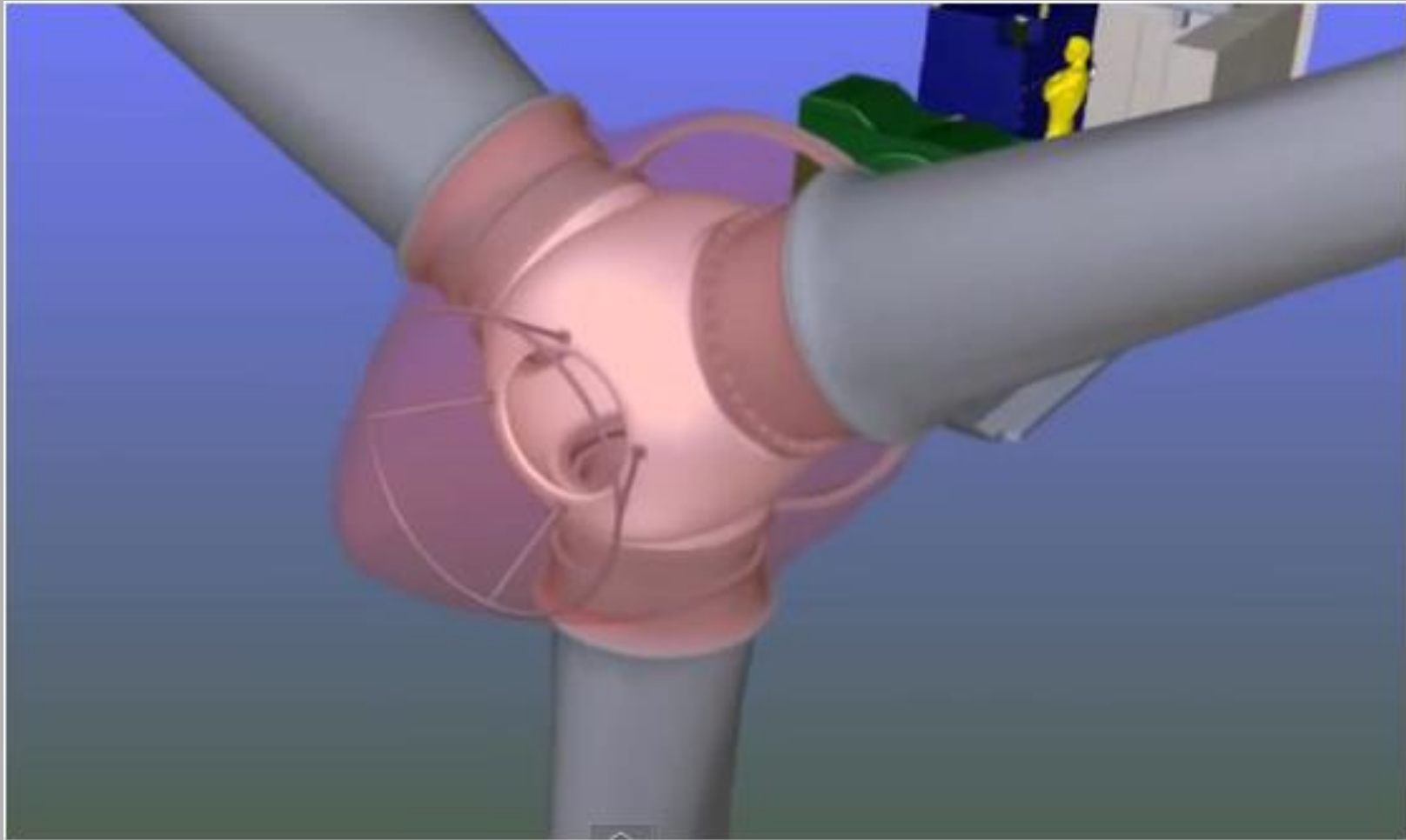
Generator Size



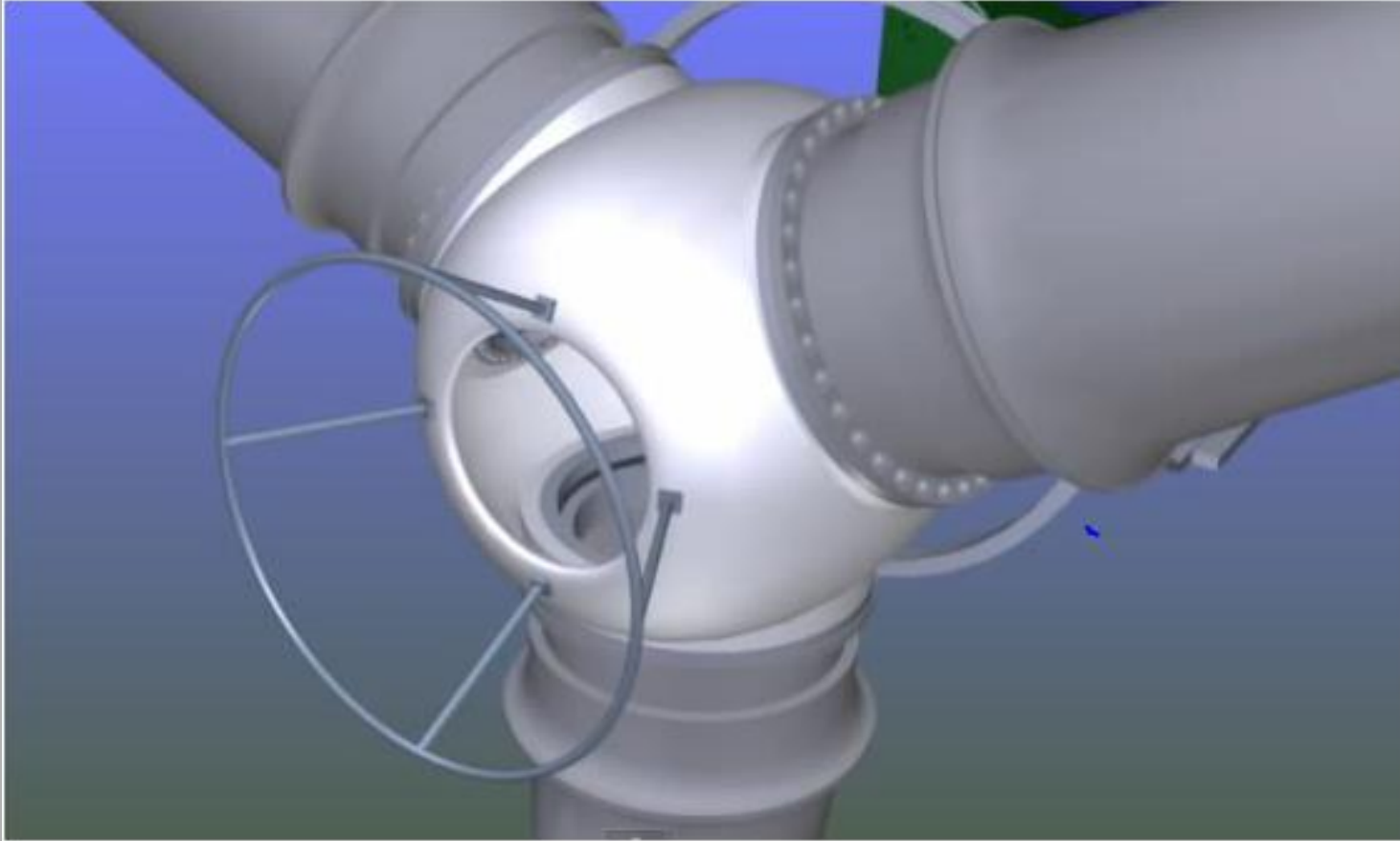
Blade Velocity



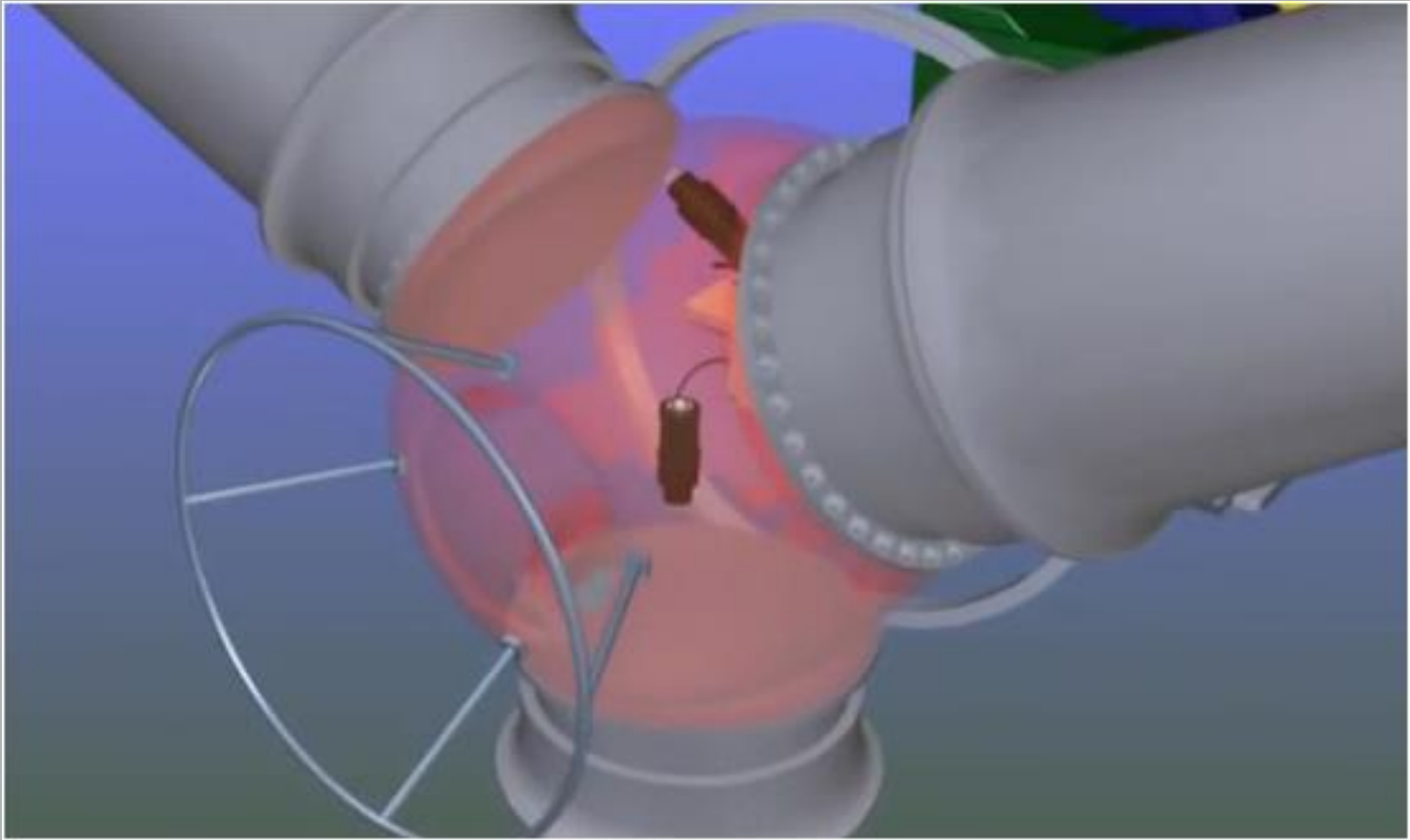
CAD 3-D Stages



Aluminum Casting Parts



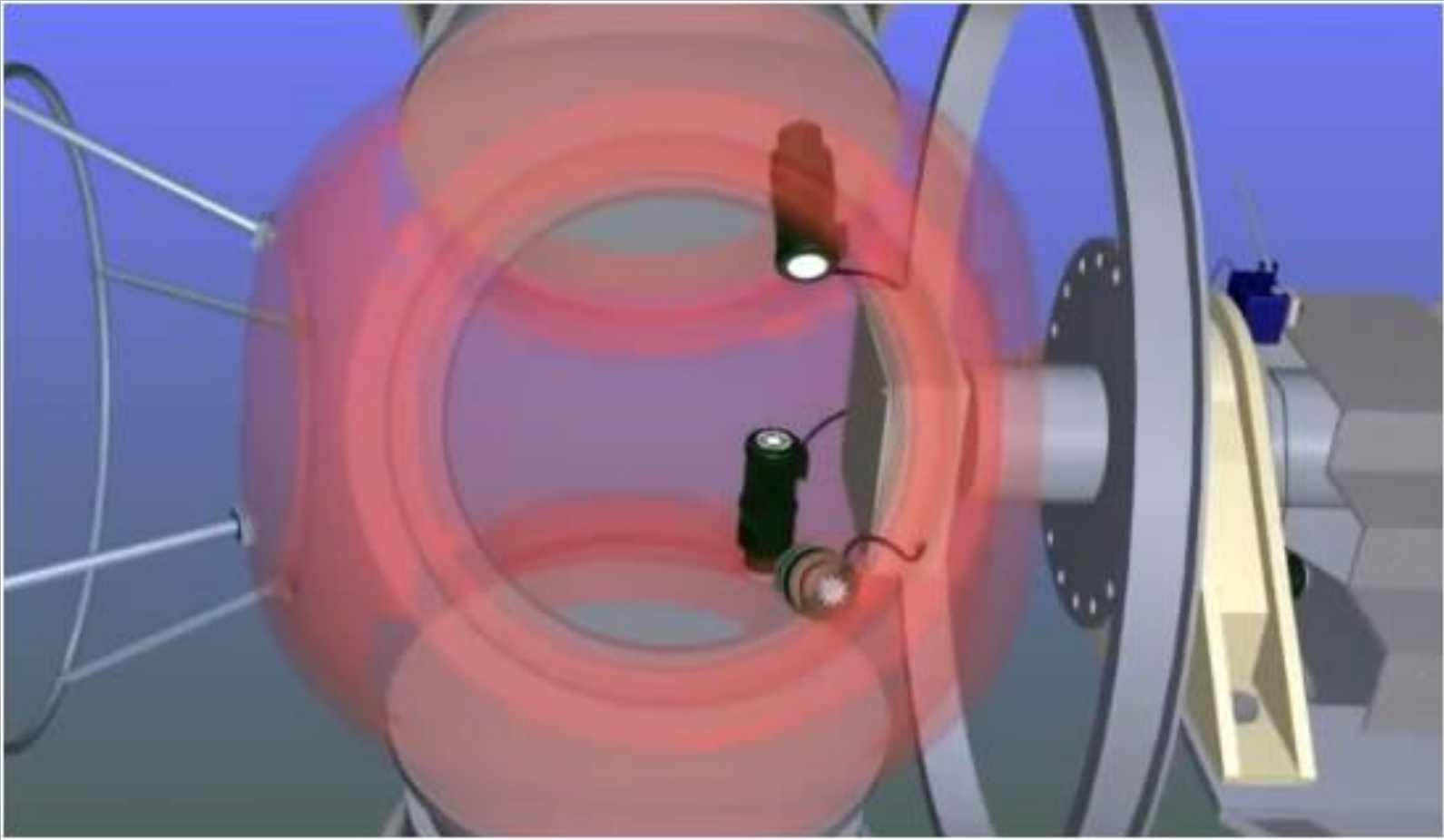
Blades Rotational Concept



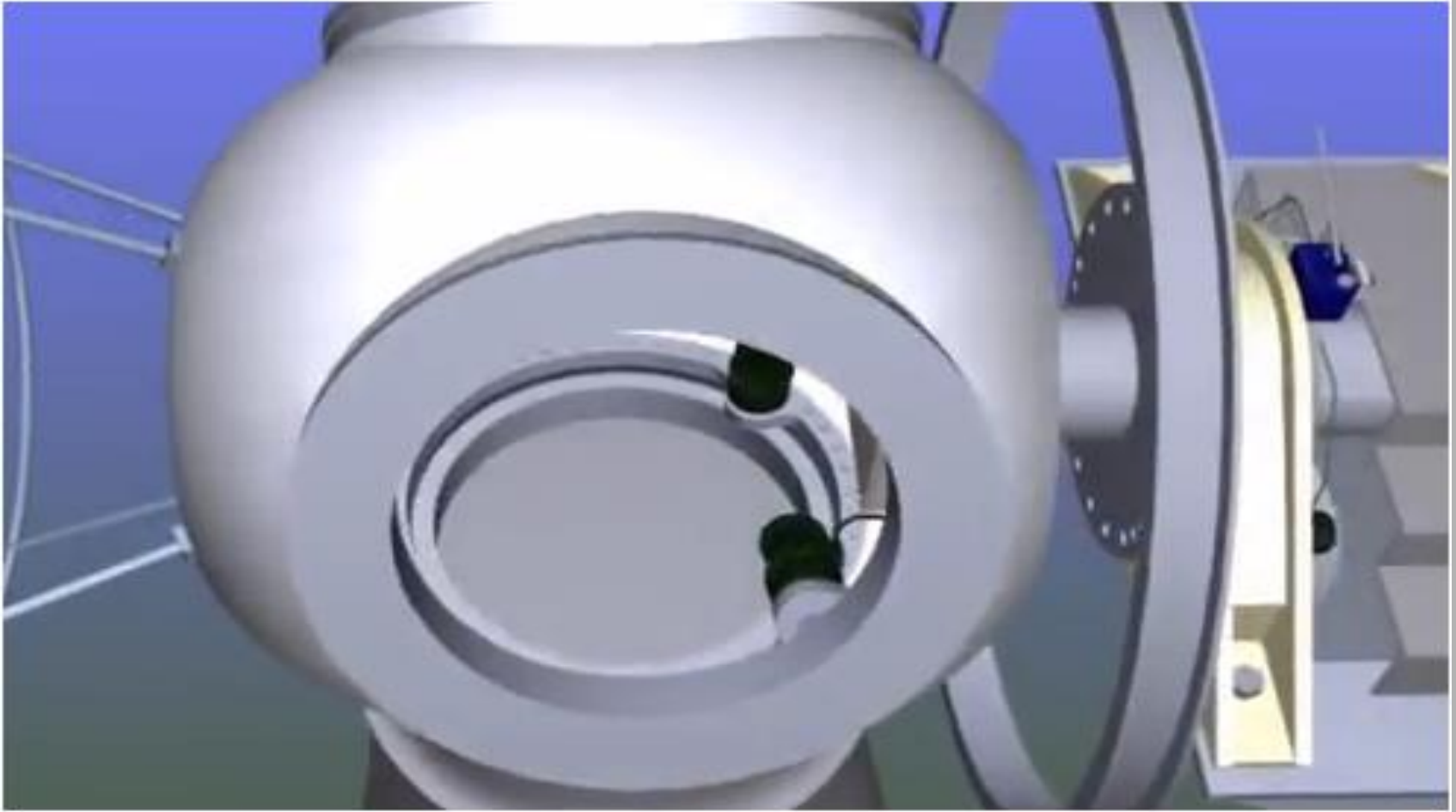
Controller Unit for the Blade Pitch



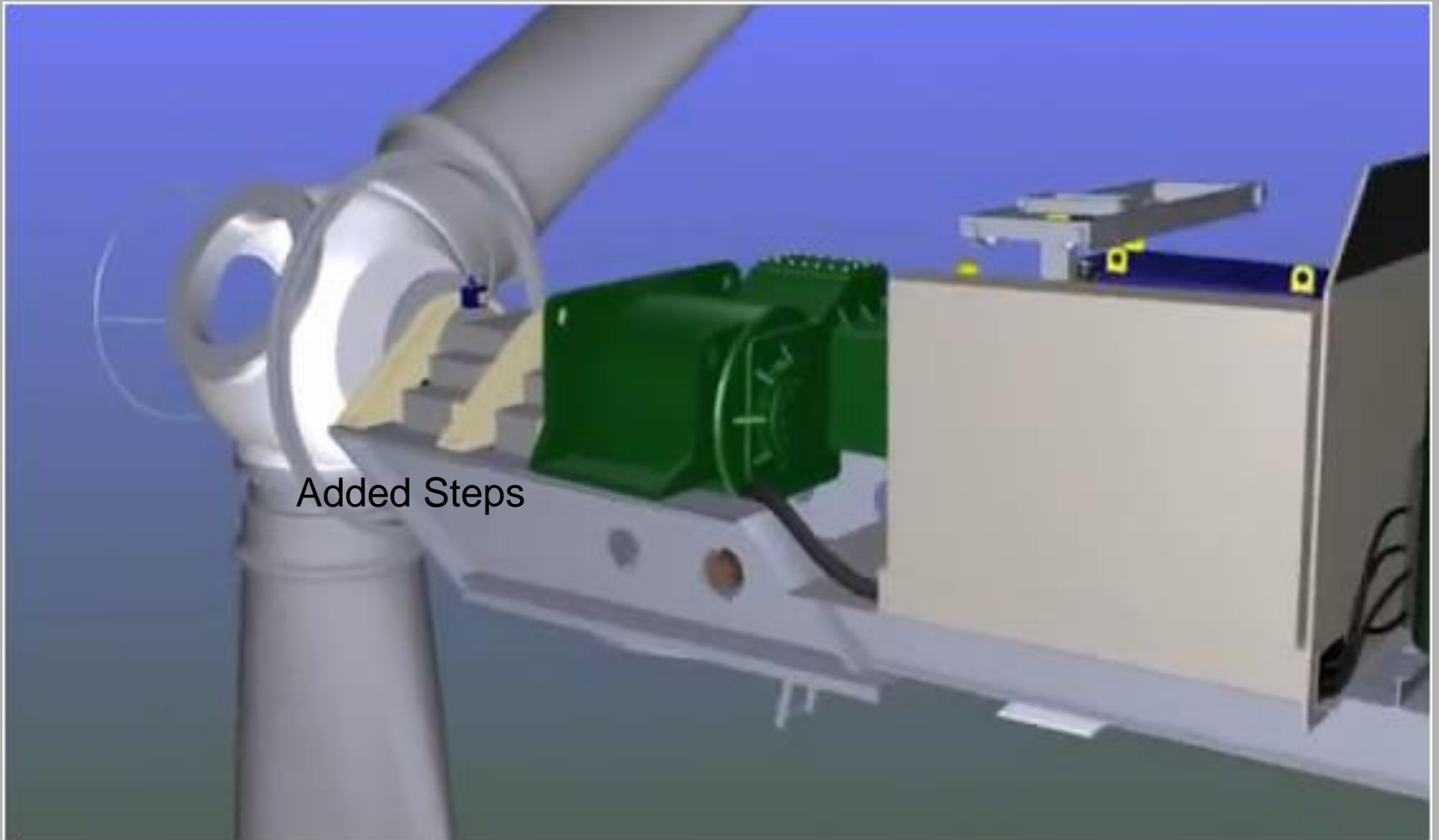
Blade Pitch Views



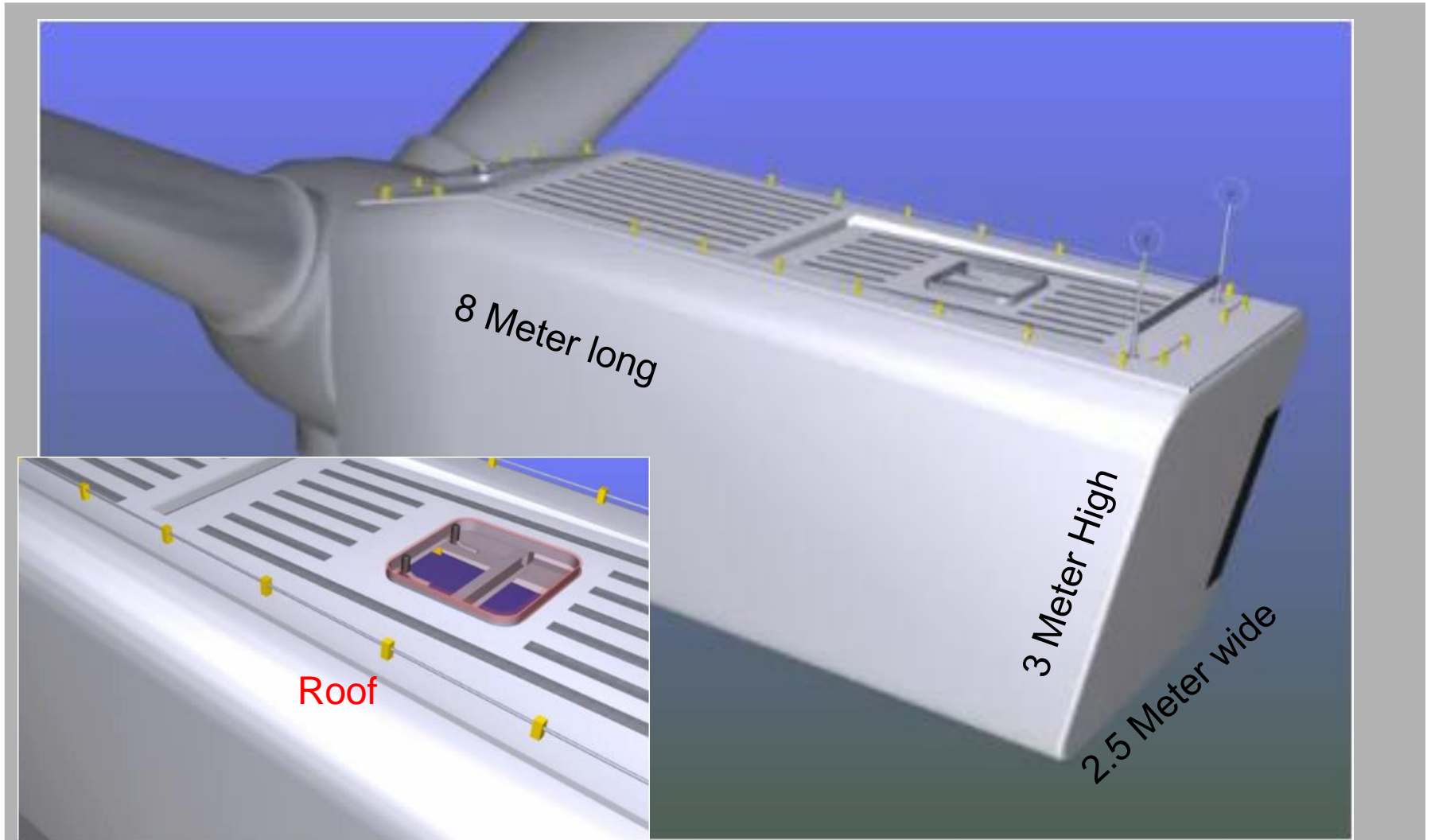
Continuously Design improvement



Continuously Design improvement



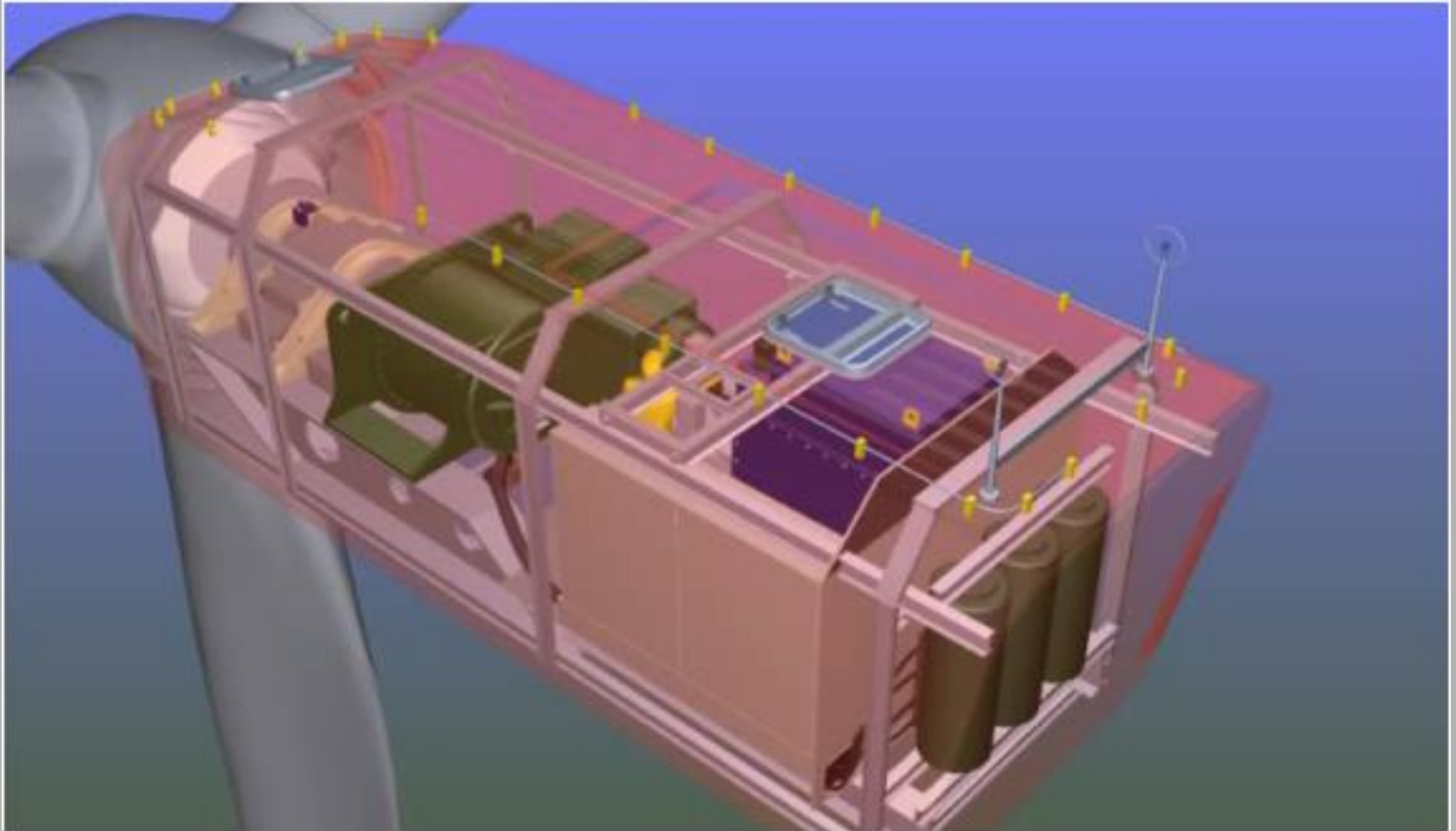
2 Megawatt Wind Mill



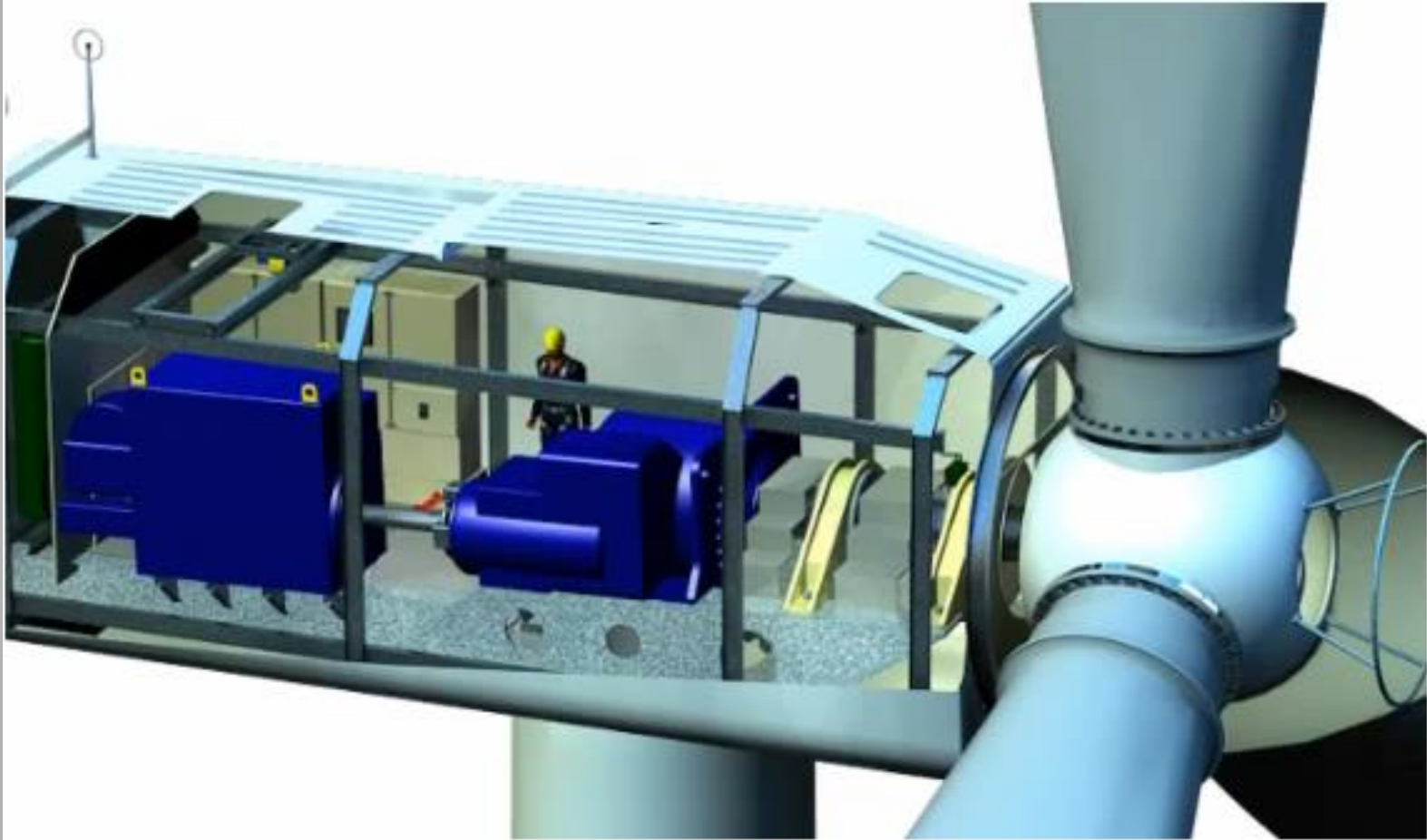
Design Modification



Design Modification



2 Mega Watt Proto type Wind Mill



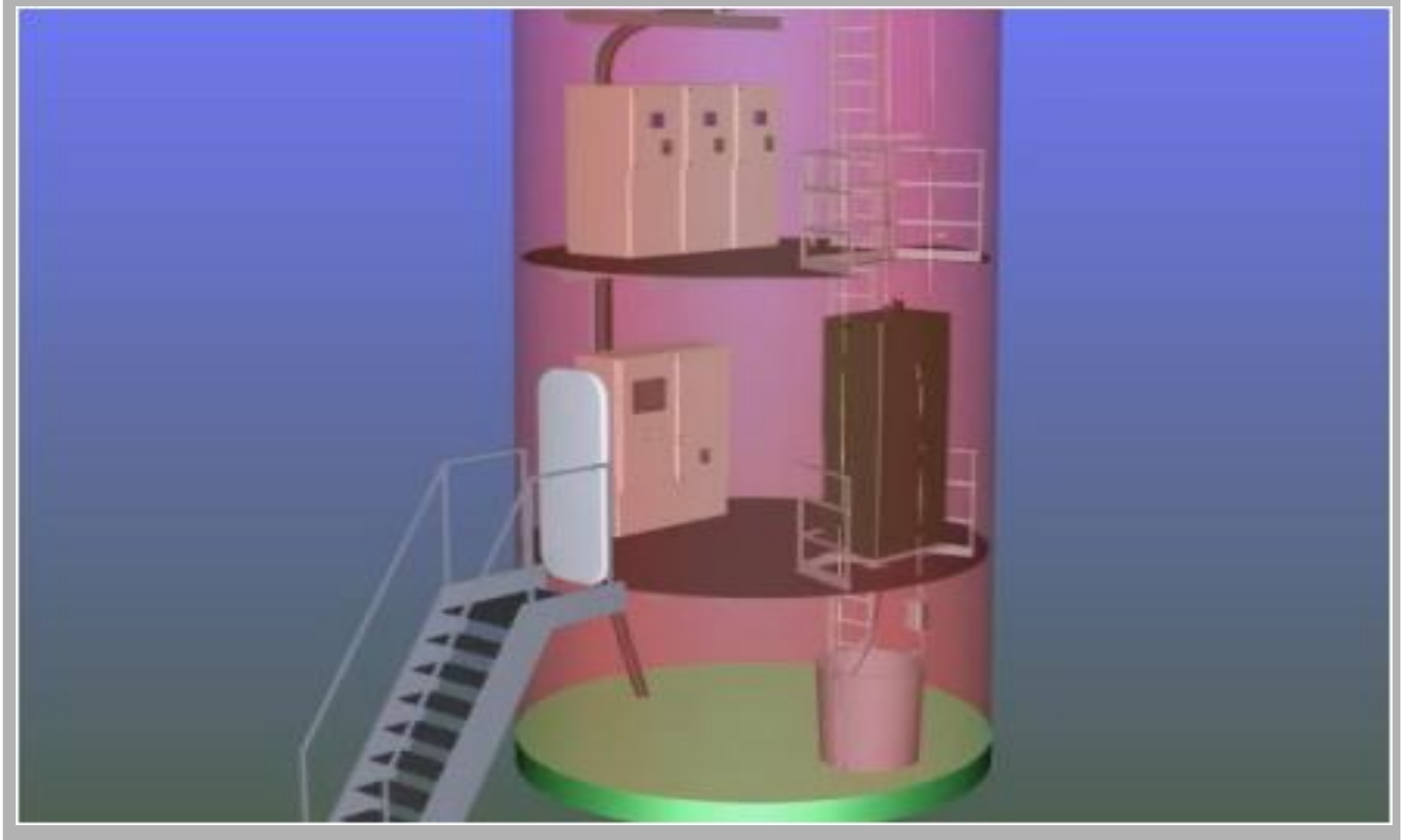
Mack ups



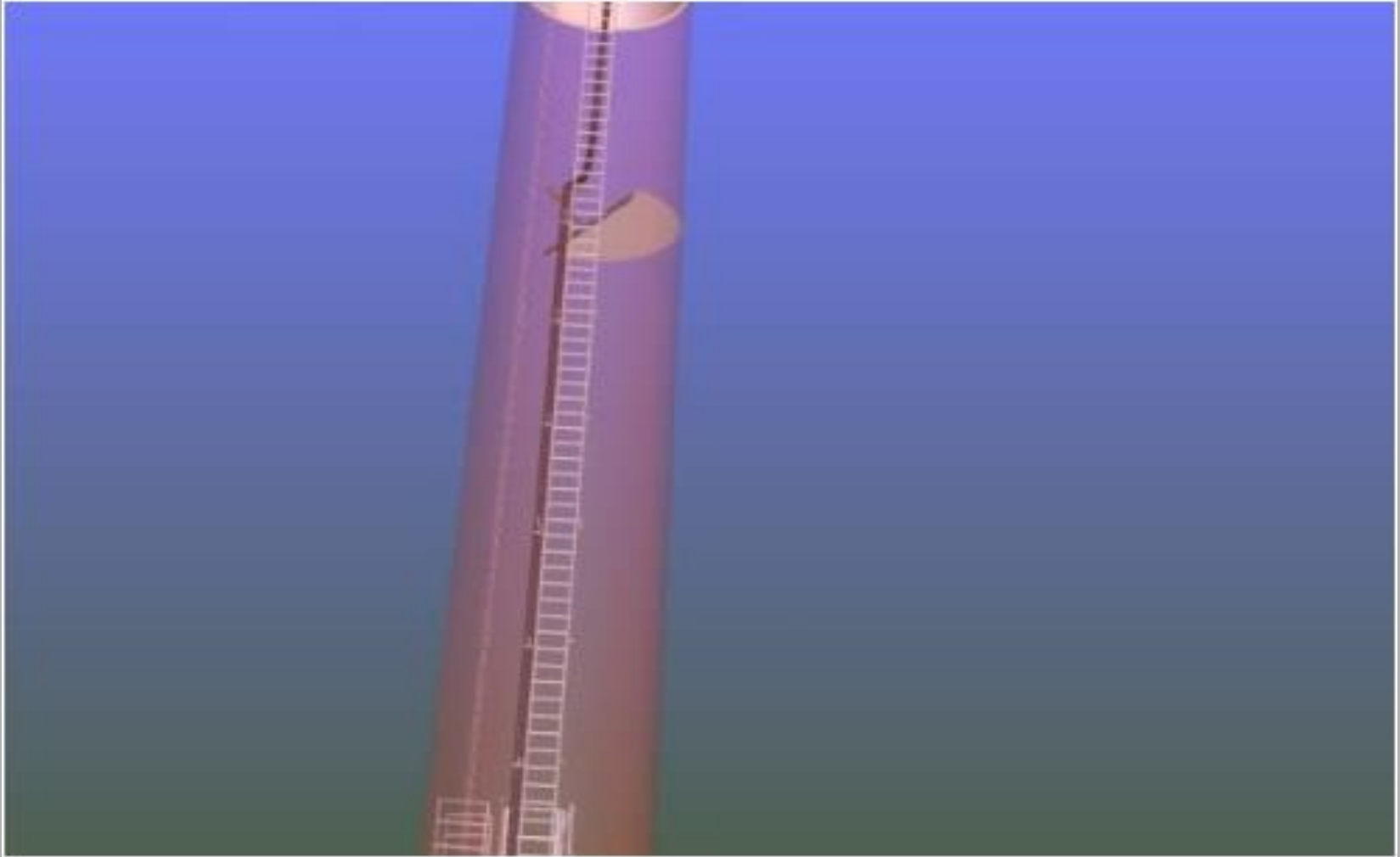
Space Utilization



High Voltages Switches



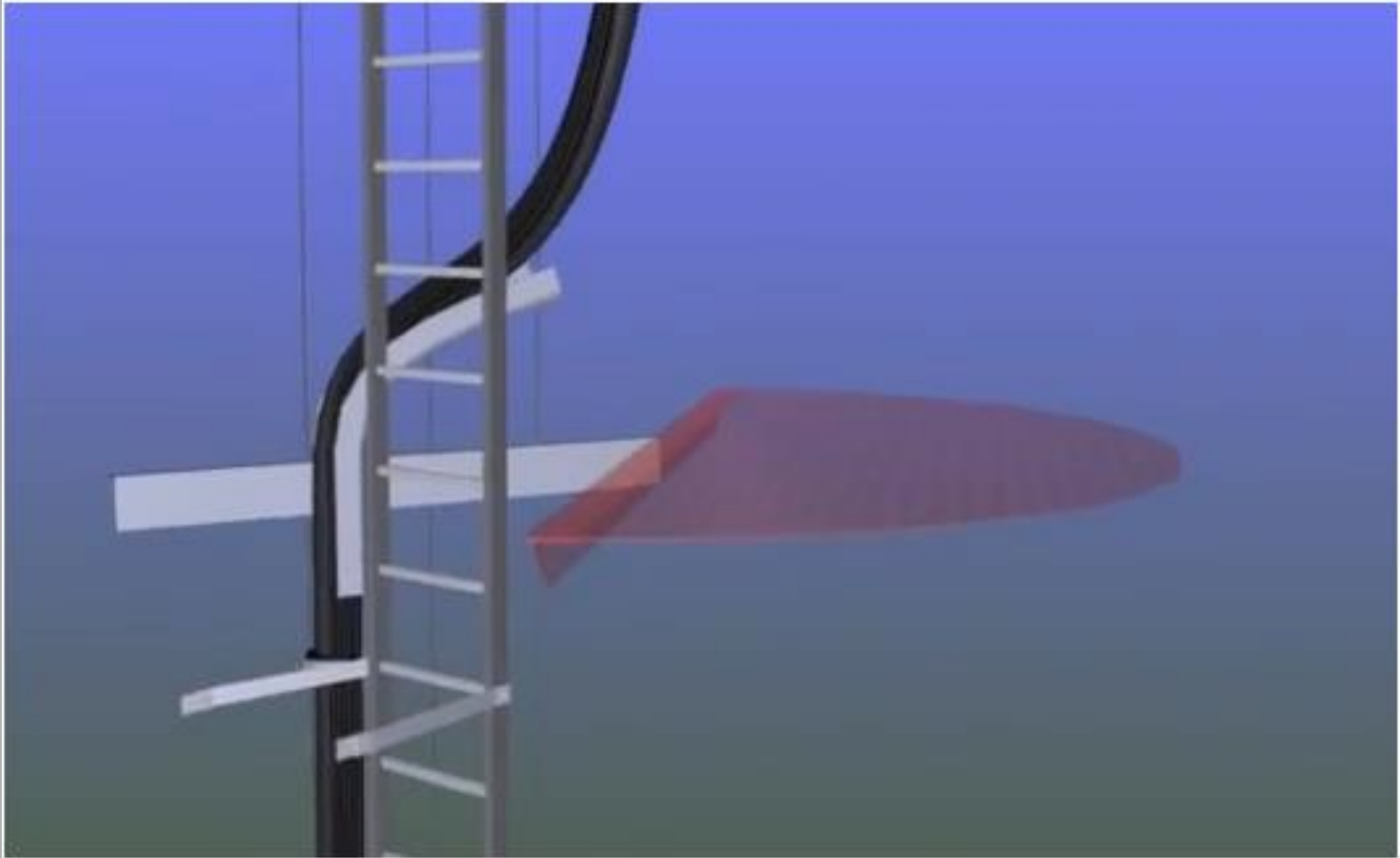
3-D CAD Mockups



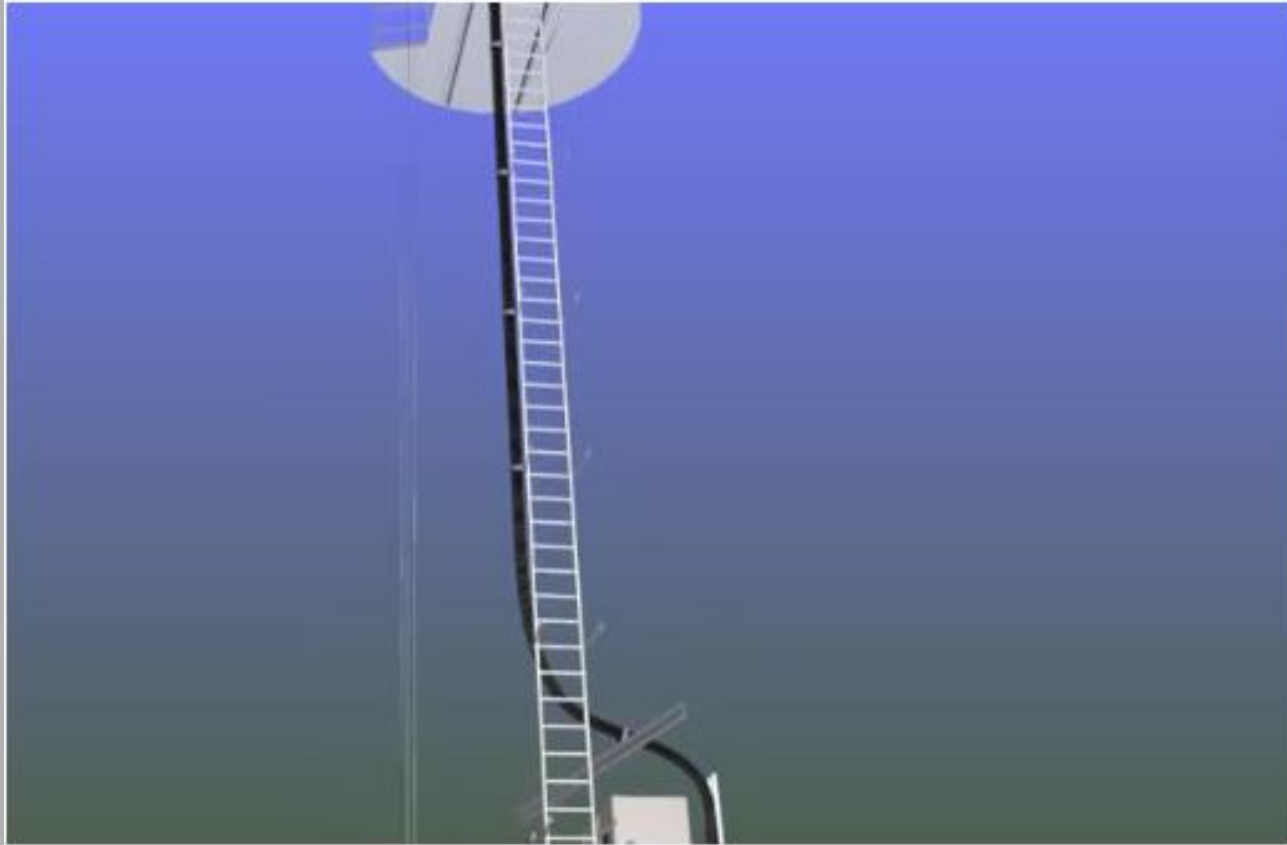
3-D CAD Mockups



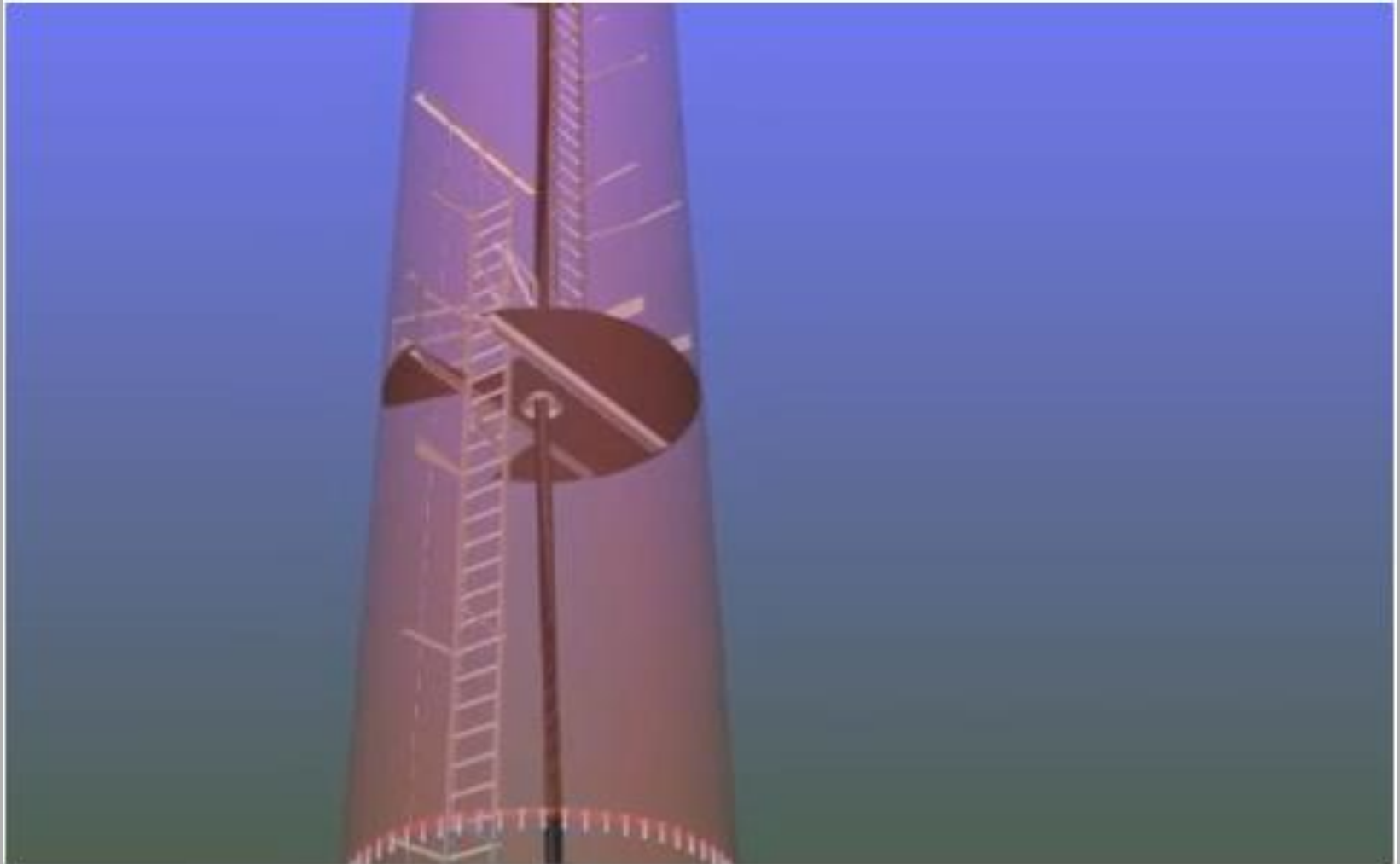
3-D CAD Mockups



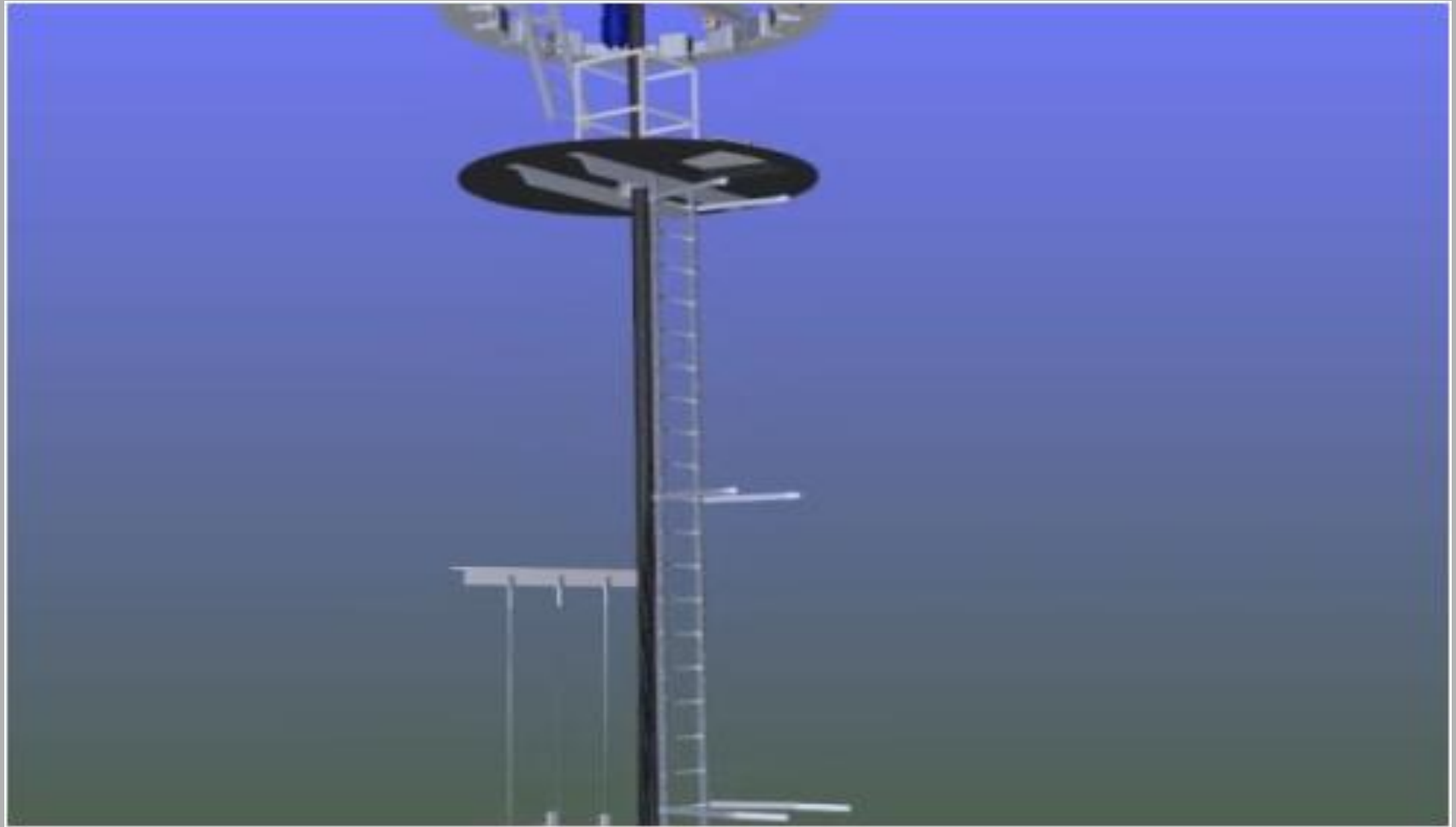
3-D CAD Mockups



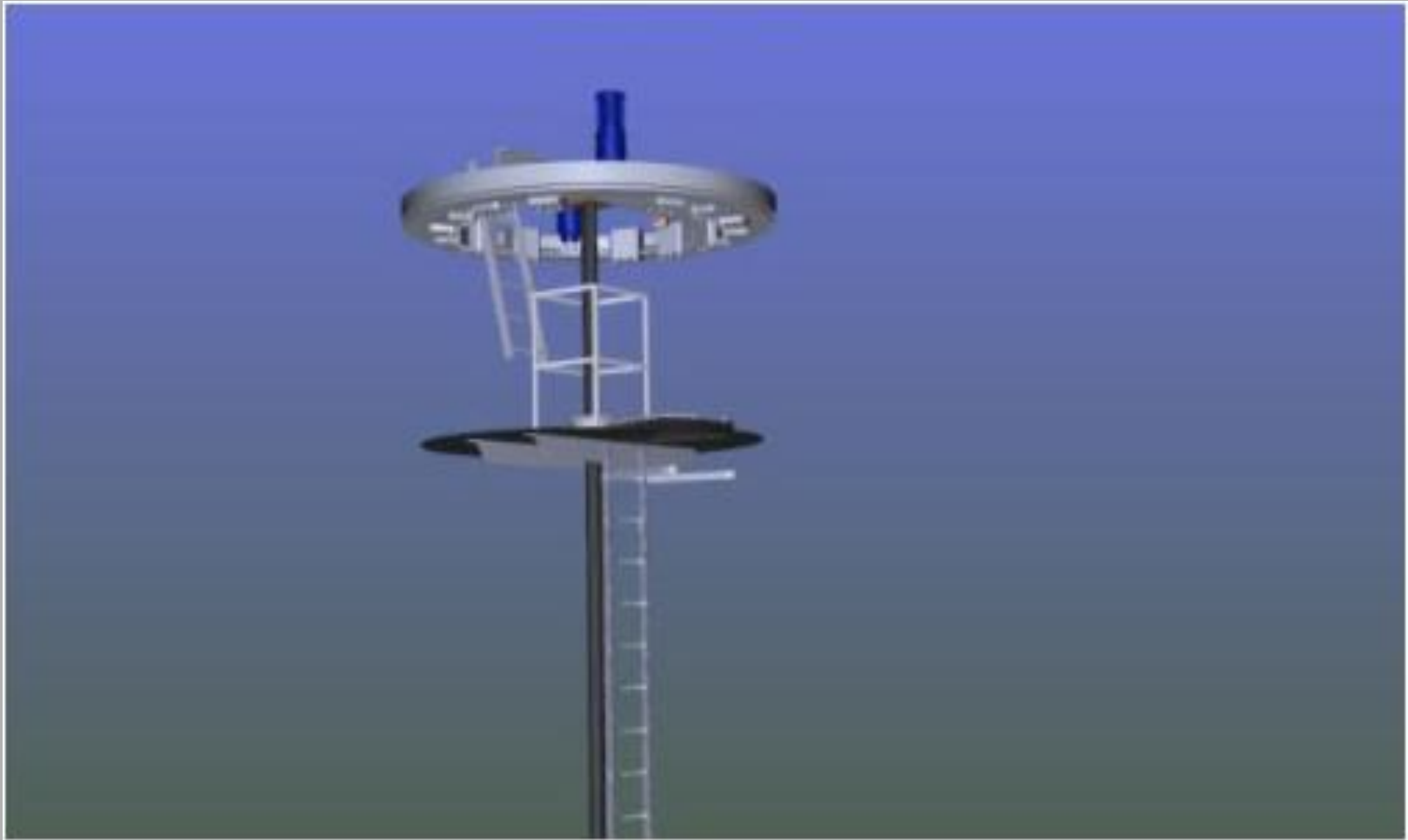
Add Electric Lift



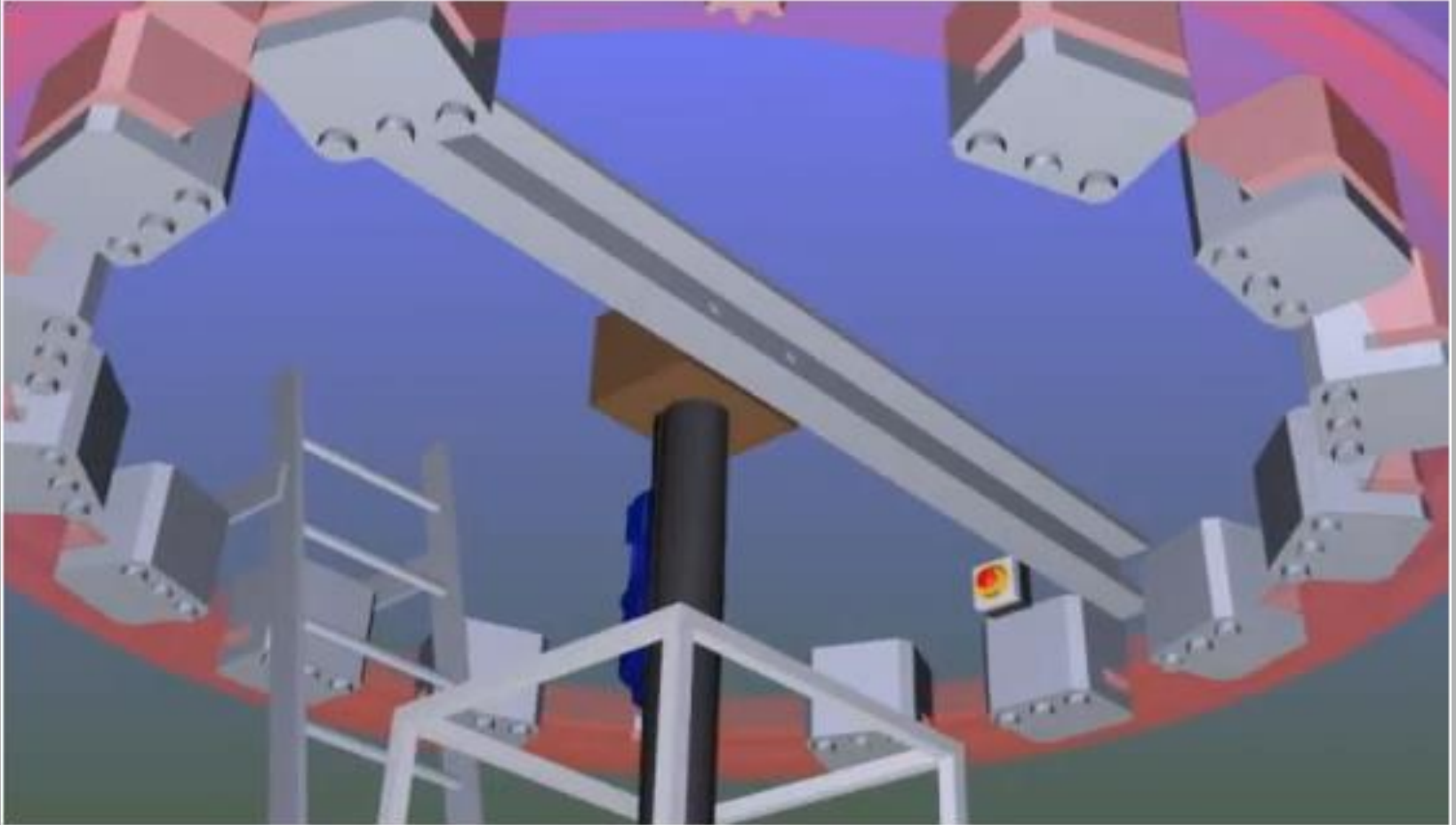
Design Modification Electric Lift



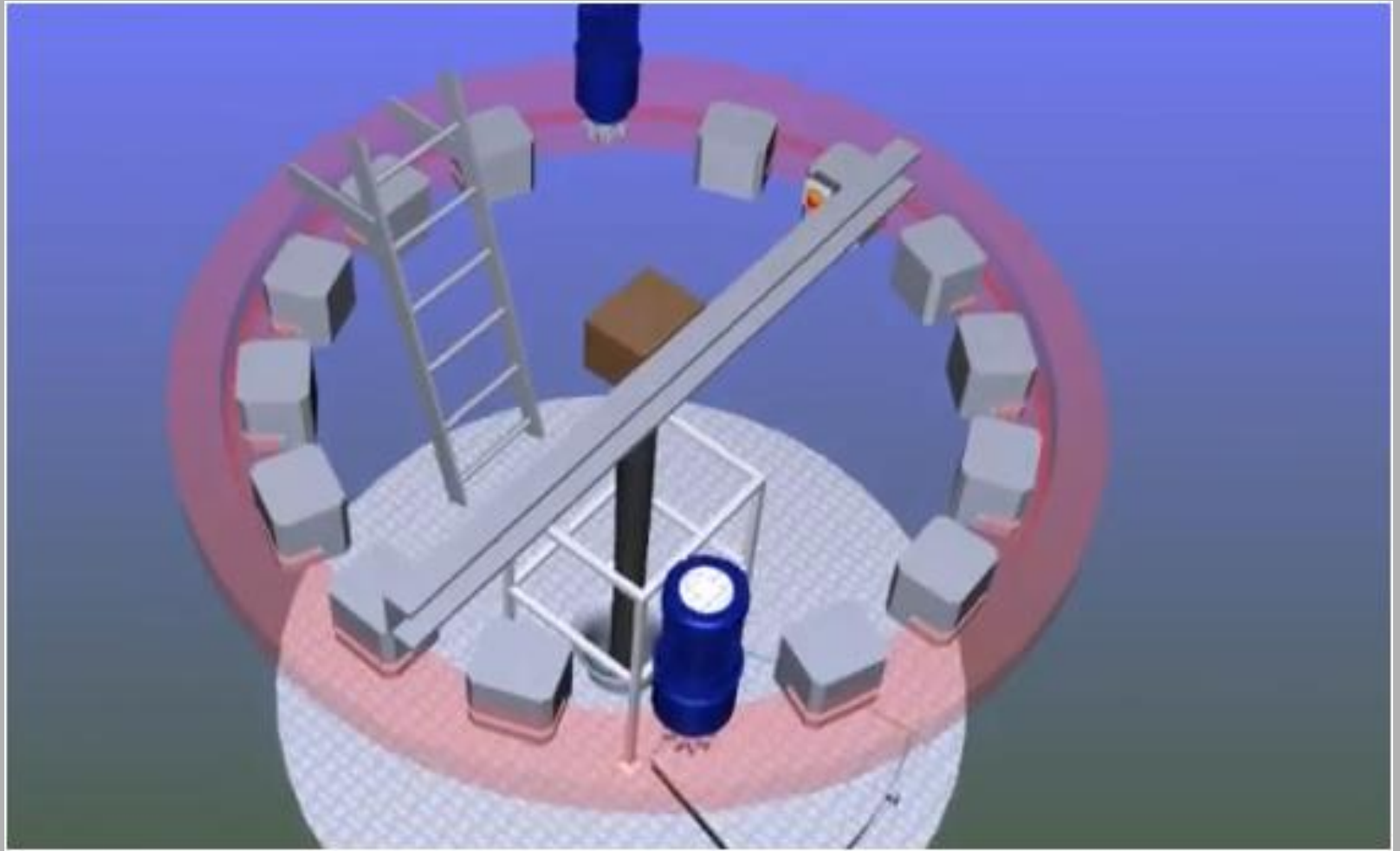
Design Modification



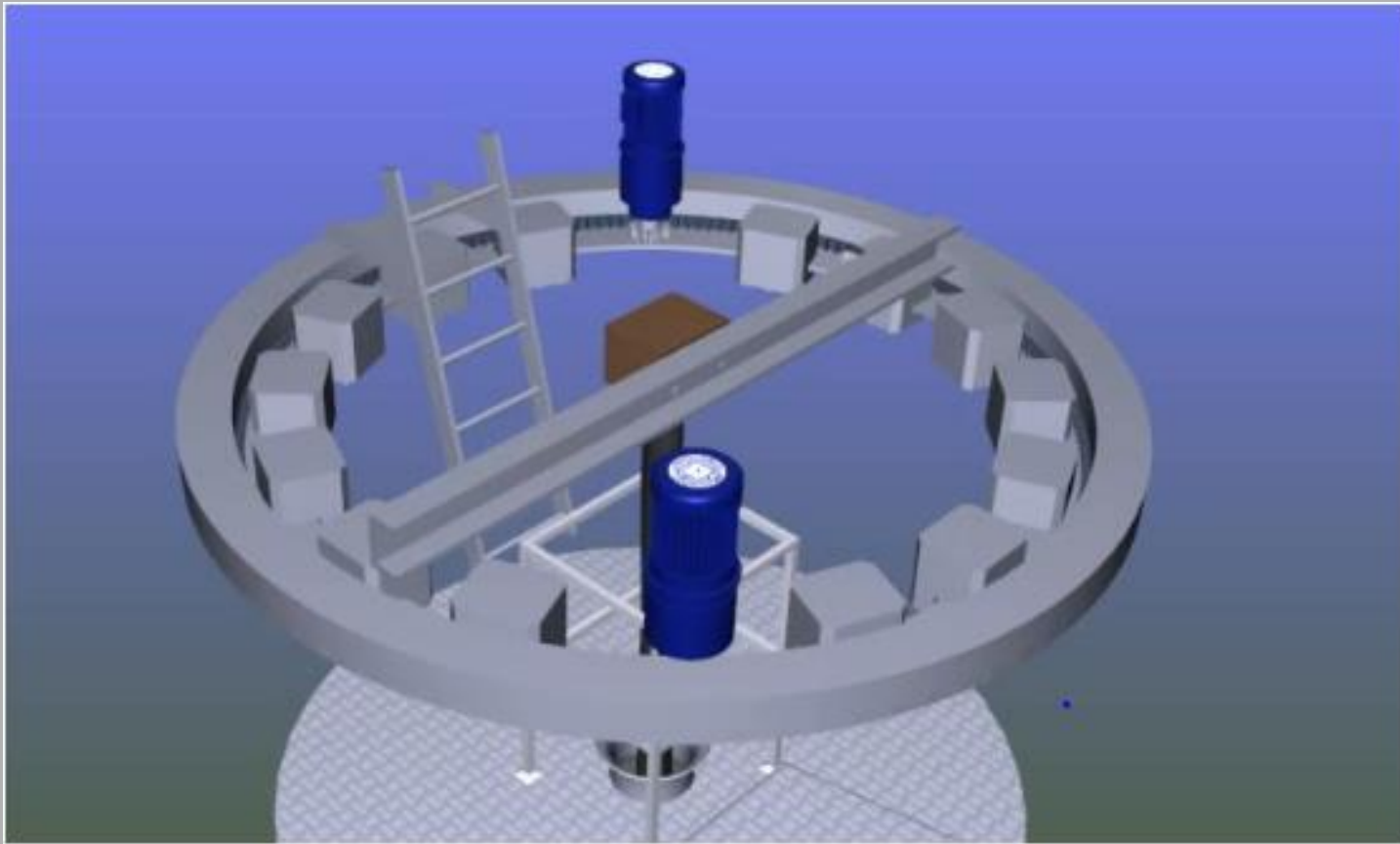
Design Modification



3-D CAD Mockups



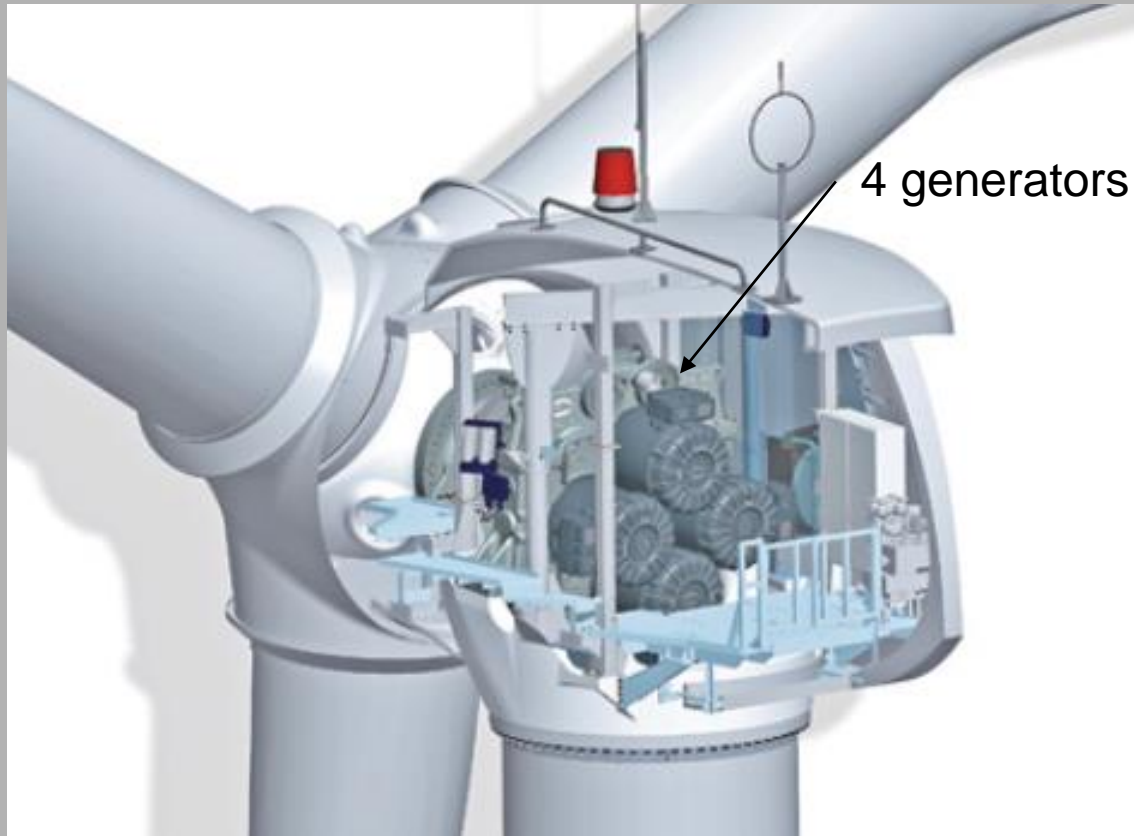
REMOVED Motor & Added Hydraulic Pump



SEA UNIT MACKUP



Add in generator concept



Blade Balancing and other Mockups



Simple Mathematic

How much money does a 2.5 MW wind turbine make per day?

- Calculation will be:

C=Capacity Factor

T=Transmission access charge(\$/MW-hrs.)

L=daily land-use fees (\$/day)

Net income per day = $C * 2.5\text{MW} * 24\text{hr/day} * (\$60/\text{MW-hour} - T) - L$

In 24 hour

2.5 MW is how many kW

I get 2500 kW

$2500 \text{ kW} * 24 \text{ h} = 60000 \text{ kWh}$

ok now multiply that buy the price.

$60000 \text{ kWh} * 0.06 \text{ \$/kWh} = 3600\text{\$}$

so it makes 3600 dollars.