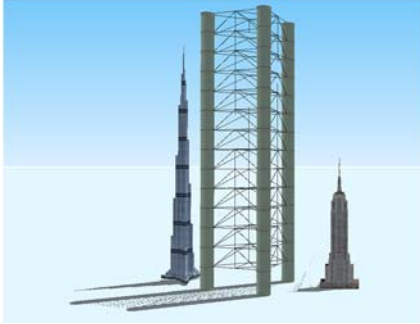


Large scale wind power for densely populated areas



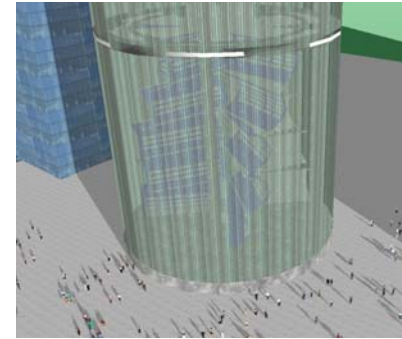
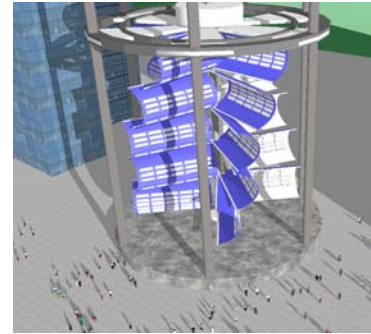
The proposed model has the advantage that it can be built to great heights without the challenges presented by conventional windmills.

Small modular parts – easily transportable can be assembled on site to create large scale towers.

The world largest windmill produces 8 MW and has a height of 230m and can power 7500 homes
<https://www.engineering.com/ElectronicsDesign/ElectronicsDesignArticles/ArticleID/7874/Worlds-Most-Powerful-Wind-Turbine.aspx>



siemens.com



Design of three towers connected with structural support elements provides a model for towers to maximize height, at minimal cost.

Estimated amount of clean energy that can be produced by the work: estimating by the area of total surface on which wind pressure acts upon, each tower can produce at least 8 MW at about total height of 300m.



With the availability of battery technologies as well as other forms of energy storage the Dynamic Vertical Axis Windmill model, combined with solar energy can meet all energy needs and bring an end to the use of fossil fuels.

The model can be scaled to small and large sizes to maximize capture of wind power in all areas of human activity.

