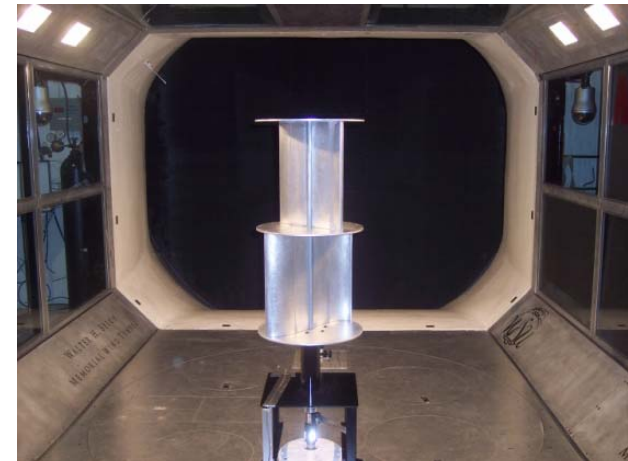




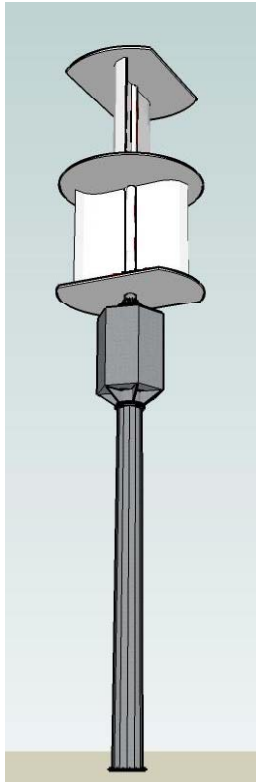
# The SkyDrill VAWT System

- A patent pending vertical axis wind turbine (VAWT) design.
- Specifically designed to aesthetically fit into the urban environment.
- The prototype wind turbine is being constructed at the West Texas A&M wind testing facility in Canyon, Texas.
- The product of professional engineering and design:
  - DARcorporation, Kansas
  - Bond Engineering & Design, Texas
  - Minarik Automation & Control, Florida
  - GST Manufacturing, Texas
  - Sabre Industries, Inc., Texas
  - Aguirre Roden, Texas
  - Wind tunnel testing Wichita State University, Kansas

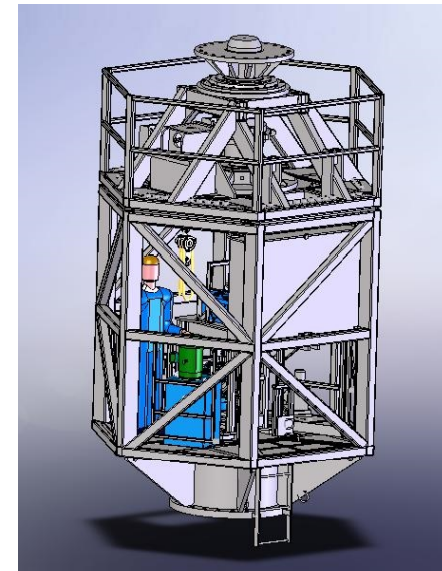




# The SkyDrill VAWT System



- Approximately 100 ft tall from base to top of turbine
  - Tower base approximately 6 ft diameter
  - Turbine approximately 18 ft wide by 36 ft tall
- Low RPM – Savonius (drag based) design
  - Quiet operation, never rotating faster than the wind
  - Avian friendly
- Over engineered with all the safety features found in wind farm class turbines
  - Control systems
  - Braking system
  - Anti-islanding
  - Designed to IEC Small Wind standards including 130 mph wind loads.



# The SkyDrill VAWT System



# The SkyDrill VAWT System



Proposed rendering of the SkyDrill turbine on the east side of the Target property.





## Scope of Project

- SkyDrill, in partnership with Target, proposes to incorporate a single VAWT into the new store being built in West Palm Beach.
- The installation would be scheduled with the opening of the new store in October, 2009.
- The clean, renewable power produced by the wind turbine will be utilized completely to offset approximately 10% of the store's total electrical usage, reducing a portion of the carbon footprint of the new store. This is in addition to the other features incorporated into the construction to make the store a model for Target's move to sustainable design.
- This will be the nation-wide premier of this type of renewable technology for Target. It is proposed that the unique, aesthetic design would incorporate the Target logo.

