

NorthWind®100

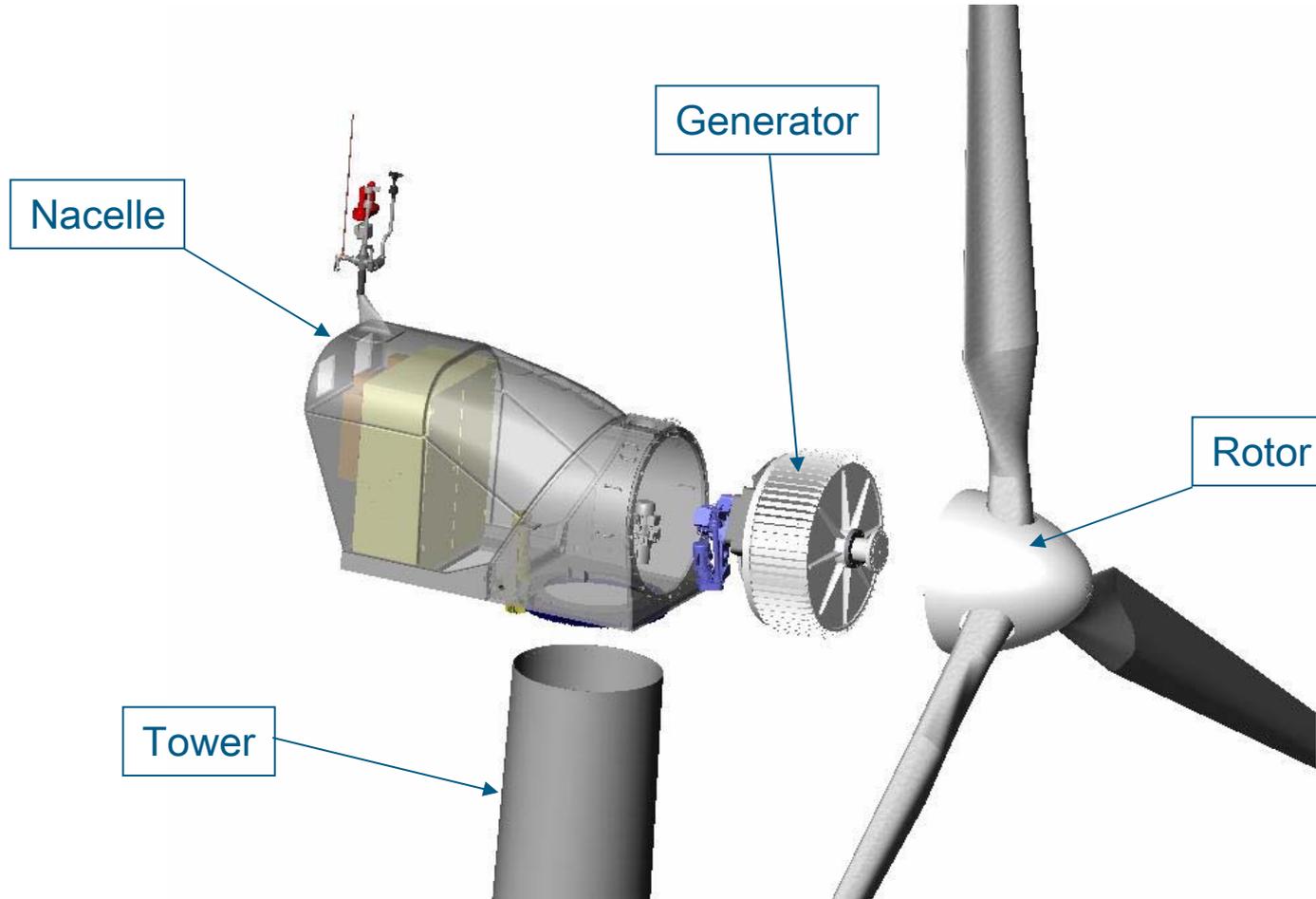




**National Wind Technology
Center - Boulder, CO**

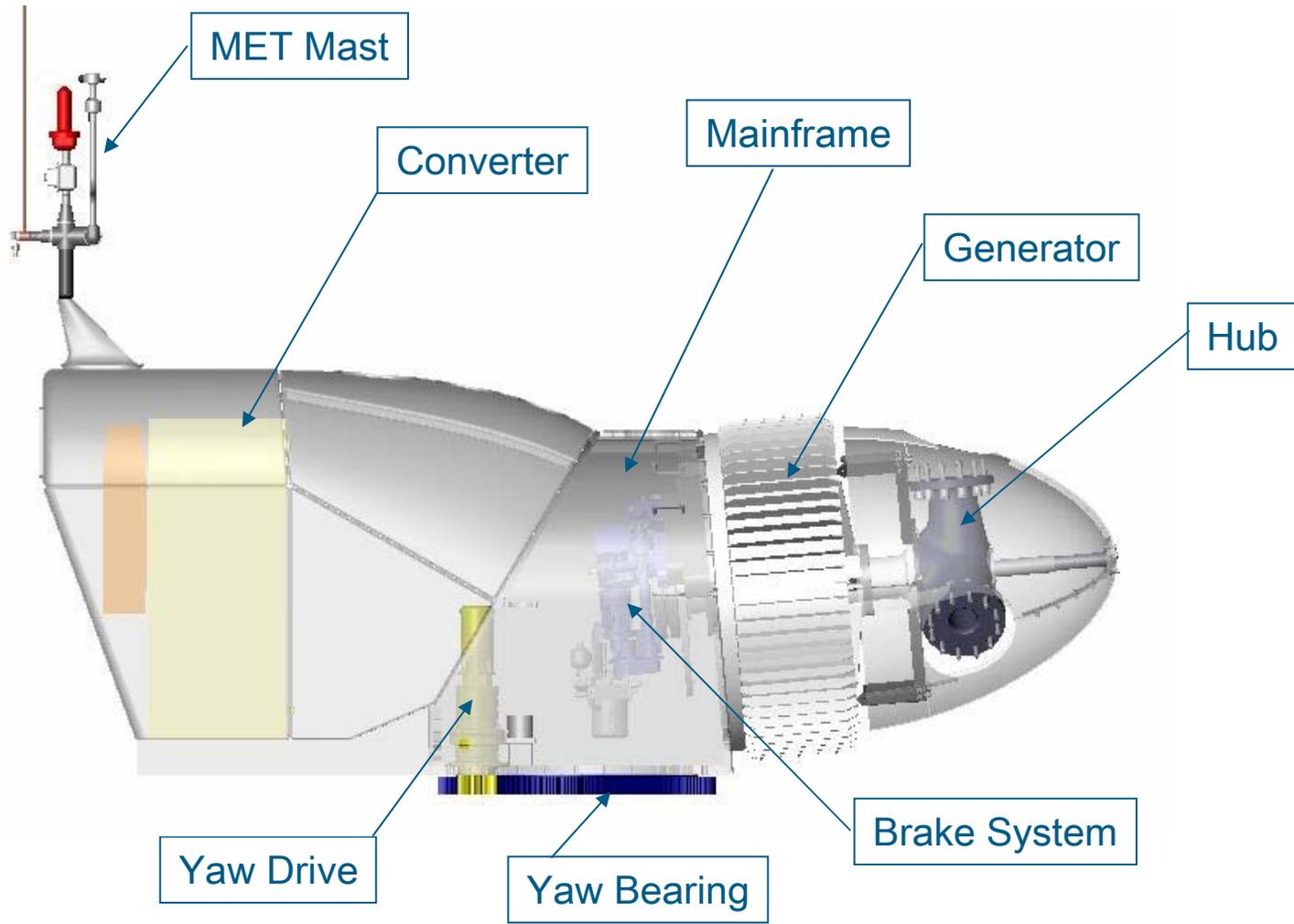
- “Cold Weather Turbine” project (DOE/NREL)
- Certification to IEC 61400-1
- Commercial installations in isolated villages
- 18 Installs in AK by Fall ‘08

Subsystem Overview

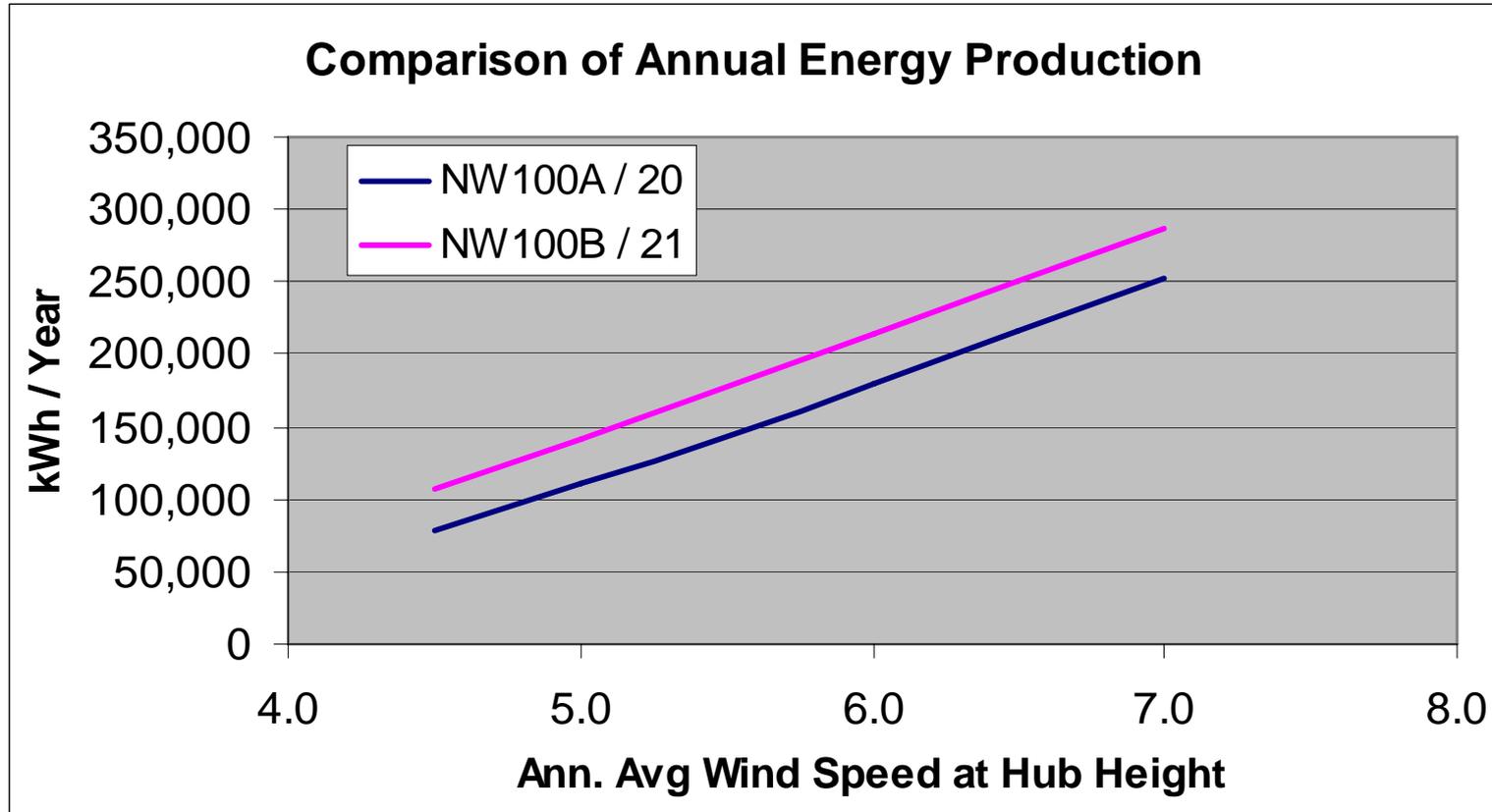


- Permanent magnet generator
- Nacelle “power plant”
- Elimination of hydraulic system
- Reduced part count
- Decreased service costs
- Increased energy capture

Nacelle Layout



Improved Energy Capture



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