

The background of the entire page is a dark navy blue. A stylized, light blue wind turbine is positioned in the lower-left to center area. The turbine's blades are depicted with a series of overlapping, wavy lines that create a sense of motion and fluidity, extending across the middle of the page. The company name is written in a bold, white, sans-serif font, with the word 'WETZEL' on the top line and 'ENGINEERING' on the bottom line, both in all caps and italicized.

# ***WETZEL ENGINEERING***

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# Wetzel Engineering

## Wind Turbine Systems Engineering Co.

- Offices in Austin, TX
- Established 2001
- Clients on 4 continents
- Clients include:
  - Utility Scale OEM's
  - Distributed Wind OEM's
  - Blade Manufacturers
  - Owners and Operators
- 50 custom blade designs
- 16,000 blades operating

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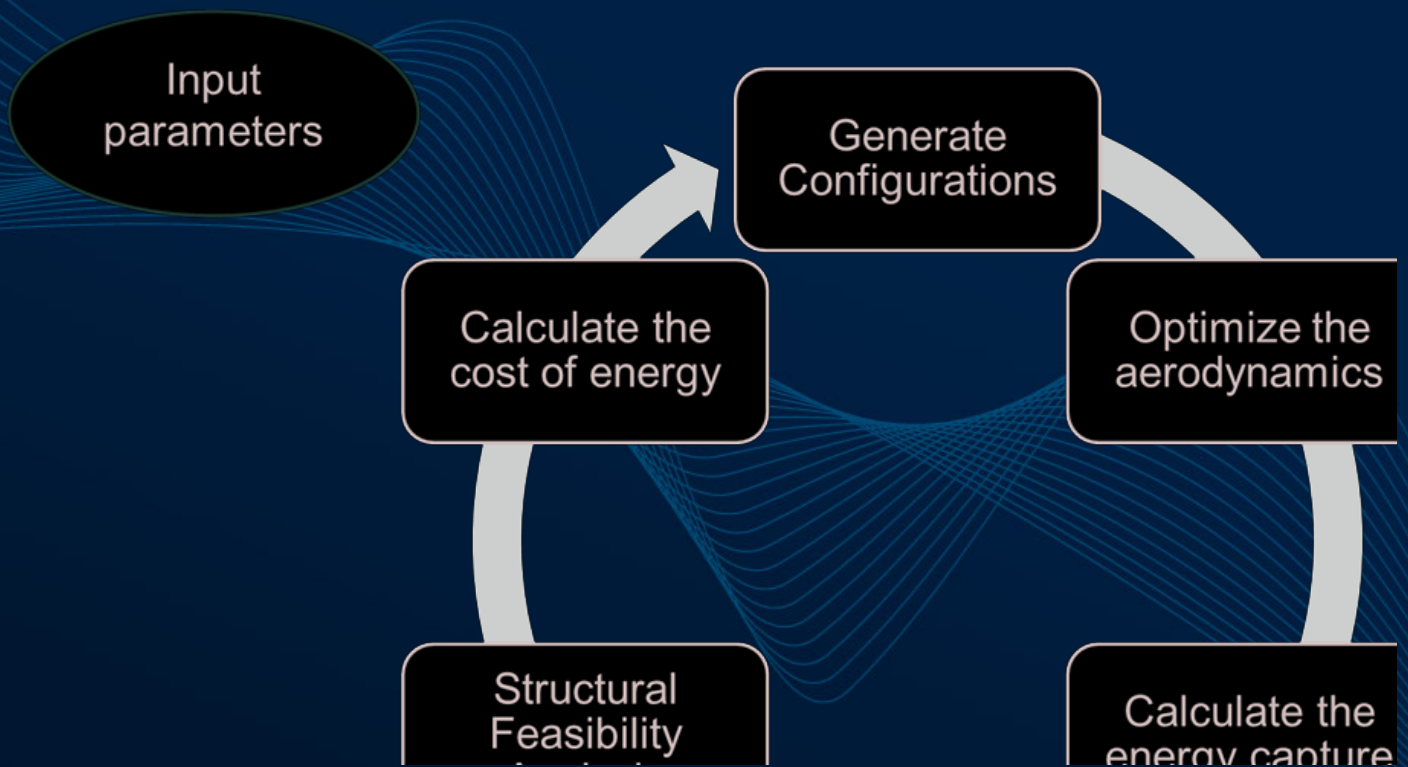


# Wetzel Engineering – Services for OEMs

- Turbine and Component Design
  - Full Turbine Design
  - Full Blade Design
- System Level Optimization:
  - System & Component Optimization
  - Mechanical Design & Testing
- Aerodynamics:
  - Airfoil Design
  - CFD
  - Wind Tunnel Model Construction & Testing
- Loads and Controls
  - Controls Engineering
  - Dynamics, Loads, & Performance Analyses



# Design Optimization Process



# Wetzel Engineering – Services for OEMs

- Structures:
  - Structural Design and Analysis
  - Structural Testing (including NDE)
- Manufacturing:
  - Manufacturing Process Engineering
  - Tooling Design
  - Manufacturing Support
  - Prototype Manufacturing
  - Tailored Composite Materials Development and Engineering
- Certification Support
- Root Cause Analysis





# Contact

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