

The **Wind Turbine Technician Academy at Kalamazoo Valley Community College** continues to seek equipment, parts and components for our teaching lab. In an effort to prepare our students for work on a wide variety of equipment we actively pursue donations. Unless otherwise noted, we gladly accept items without regard to its condition.

The Academy staff extends an open invitation to Wind Industry representatives to visit the class and share information about their company with our students. Please feel free to contact us for more information.

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Your Invitation to Support the Wind Turbine Technician Academy

Rotor Blades - up to approximately 50 feet in length, fair condition, aerodynamic brake preferred
(must have tip-brake wire intact with hydraulic cylinder)

Pitch Bearing/Gear - bearing with or without gear

Pitch Control System

Hydraulic Cylinder

Electric Pitch Motor, Complete unit only (with gearbox)

Hydraulic System

Pump with Reservoir (operable condition)

Filtration Unit - complete

Accumulator

Prefer operable condition for use at lower pressures

(Does not need to be certified for rated pressure)

Slip-Ring Connection Unit

Hydraulic Cylinder for Common-Pitch system

Hydraulic Motors (Yaw System Usage) - complete

Pressure and Flow Sensors

Yaw System

Yaw Motor - complete, with gearbox

Yaw Bearing - all or part of bearing

Yaw Brake - complete

Brake Pads - worn and new set

Sensors and Mechanical Counter - any condition sensors, counter complete

Rotor Shaft

Rotor Shaft Bearings - all or part of bearings

Any Part of the Rotor Shaft

Low-Speed Shaft Brake Assembly - brake rotor and unit

Brake Pad - worn and unworn set

Slip Ring Unit - mostly complete set

Gearbox - any manufacturer or condition, planetary or non-planetary, complete

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Gearbox Components

Gear sets

Bearings

Sensors - any type

Filter and Pump Assembly - complete

Oil Cooler - oil-to-air or liquid-to-oil

Brake Unit

Brake Rotor

Caliper unit - complete

Drive Shafts

Any type of High-Speed Shaft

Any type of Shaft Coupler - complete set

Torque and Vibration Mounts - any type

Generator - any type, operable or inoperable, complete

Generator Components

Generator Bearings

Rotor - complete, any type

Stator - complete with housing

Slip Ring and Brush Holder - complete

Weather Station

Anemometer - any type, operable or inoperable, complete

Wind Direction Indicator - any type, operable or inoperable, complete

Collision Avoidance Lighting System

Flashing Light Type - complete

Strobe Light Type - complete

Fall Arrest Systems - any type, only 10 ft. (cable from cable type system not needed)

Fixed Anchor Attachment - any type

Nacelle Cranes - manual or electric, complete, any condition

Nacelle Door/Roof Opening System

Power Units - complete, operable or inoperable

Door Sensor System- complete sensor, operable or inoperable

Electrical System

Capacitors of any type are OK

Relays

Motor Start Switch Gear

PLC Controllers

Control Panel - mostly complete

Transformers - operable or inoperable, remove oil before shipping

Grid Switch Gear - any type, complete

Fuses - any type or size

Meters- net-metering units complete, operable or inoperable

Circuit Boards - any system, would like some burned or arched