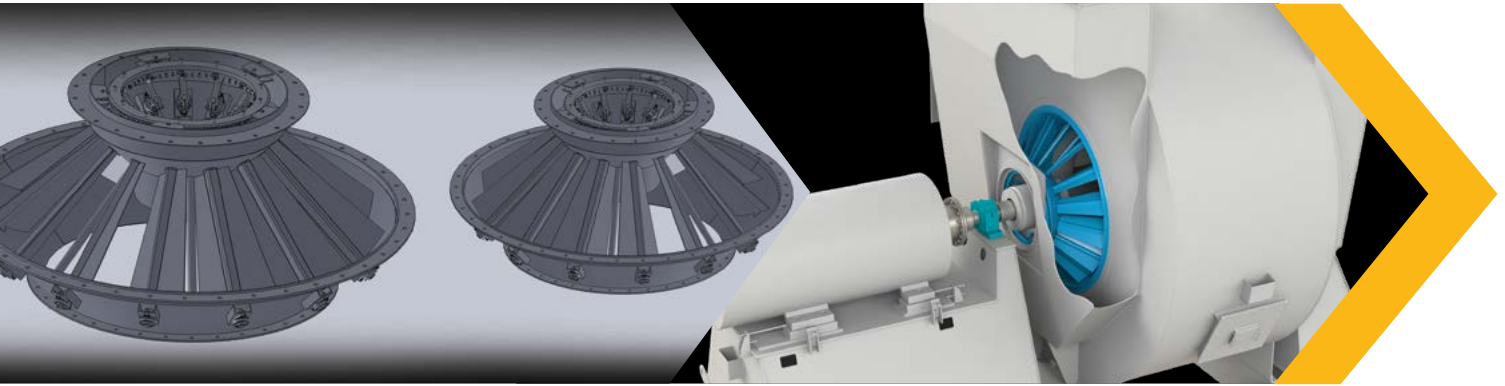


VARIABLE INLET VANE DAMPERS



> THE PROBLEM

In order to boost fan efficiency and save horsepower, a utility company decided to install a Variable Inlet Vane (VIV) damper to pre-spin the air flow before it entered the fan. This would normally involve removing the entire rotor and bearings from the housing, pedestals and installing the VIV. Such a large construction project would normally be very costly.

> THE SOLUTION

The Clarage design team introduced a split damper design that would allow the fan and bearings to remain in place while the damper was divided and assembled inside the fan housing. The split hub design was installed while the shaft remained in place. This saved the customer most of the construction cost and provided a sorely needed upgrade.

TYPICAL APPLICATIONS

- > Combustion Air
- > Dust Collection
- > Fired Heaters – FD and ID
- > High Temperature
- > Overfire Air
- > Primary Air Fans
- > Seal Air Fans

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