

Position in Power Industry Strengthening

CLARAGE SHIPS 5500 HP FANS

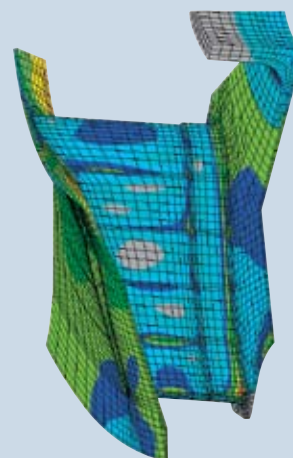
Clarage recently shipped and supervised the installation of four 131.5 inch diameter airfoil centrifugal fans for a major utility client in the South East. This marks Clarage's successful and aggressive move back into the Power Market prominence that it held in the 1970s.

The fans were driven by 5500 HP motors, with a shaft length of 20 feet and weight of 43,000 lbs. The fans are size 262.5 AF series 5130 and are controlled by variable speed drives to ensure maximum operating efficiency at all RPMs. The DIDW airfoil fans are designed to operate in excess of 33000 fpm. The housing sections

alone required 8 truckloads per fan, with certain dimensions that ranged up to 13 feet wide. The fans were part of an emissions control project and were designed to fit into existing foundations. A model test and FEA were performed to verify performance and structural integrity of the rotor before construction of the full sized fans was begun.

John Hill, Clarage Project Manager added, "I have worked for other heavy-duty fan manufacturers and this project has gone smoother than most. This is exciting because it shows that this team can do anything the industry requires."

Continued investment in products, people and tools will ensure that Clarage will retake a strong position of leadership in the Power Industry market.



Cradled, twelve foot diameter rotor on a low bed truck ready for shipment to the site.



Aerial view of the fan installed, waiting for the top half of the housing and boxes to be installed.



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