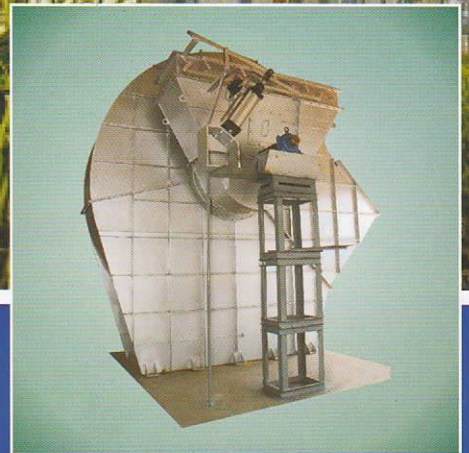
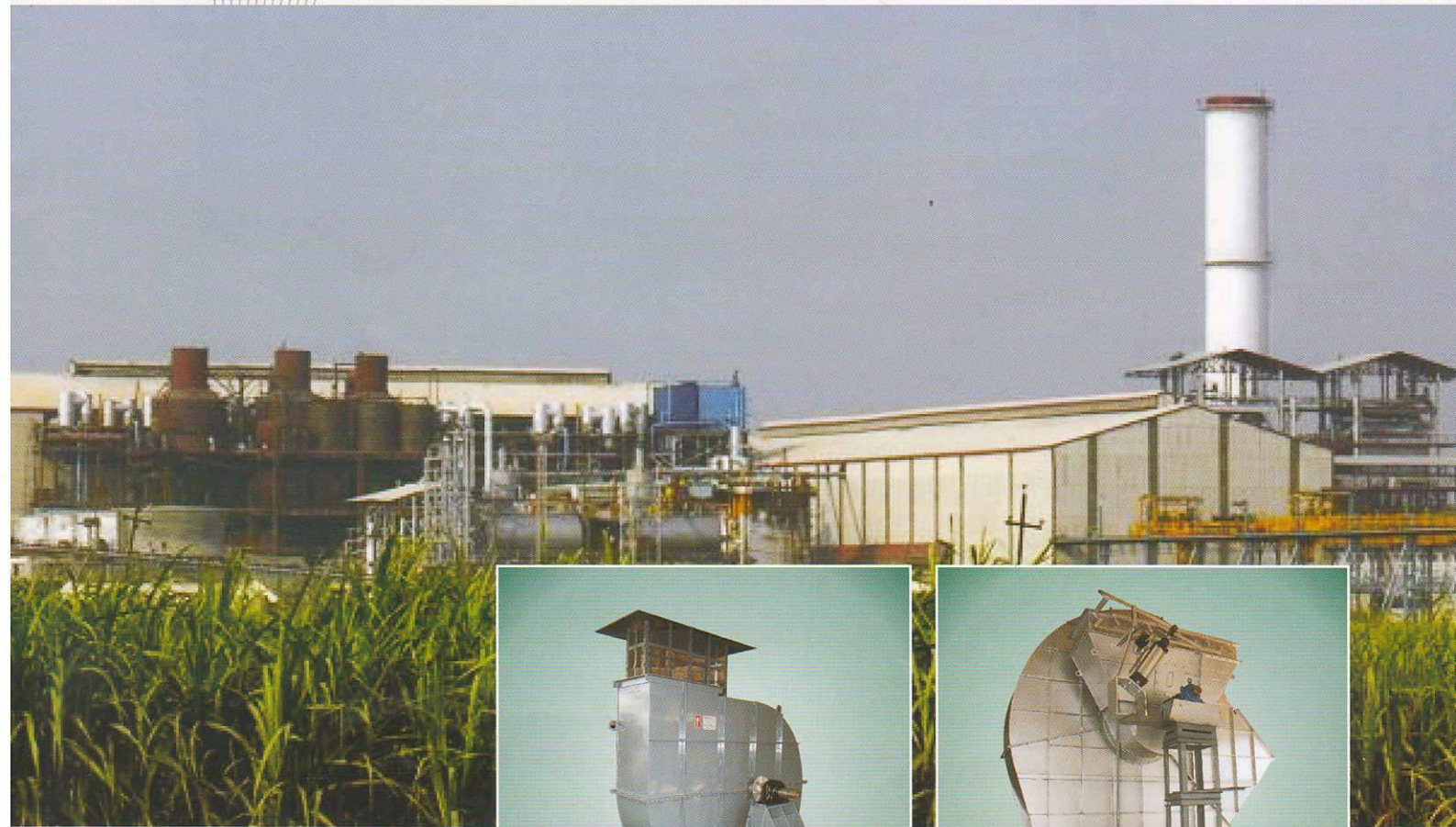




AIROCHEM

Engineering Company



Boiler Fans
for Sugar Industry

BOILER FANS

AIROCHEM has 40 years' experience in design and manufacturing of Industrial Fans. Our fan designs have continuously improved as a result of operational experience gained over these years and significant investment into R&D. Today we manufacture fans which have up to 92% efficiency.

AIROCHEM is supplying boiler fans to Sugar Industry since 1987. Our fans are known for its performance, efficiency, reliability and robustness.

We have supplied over 300 boiler fans to Sugar industry in India and abroad.



■ **ID Fan, Vietnam** (through TKIL)
2,16,000 m³/hour @ 320 mmWg
375 HP/6P
Year: 2015

■ **FD Fan, Uganda**
95,400 m³/hour @ 200 mmWg
120 HP/4P
Year: 2015

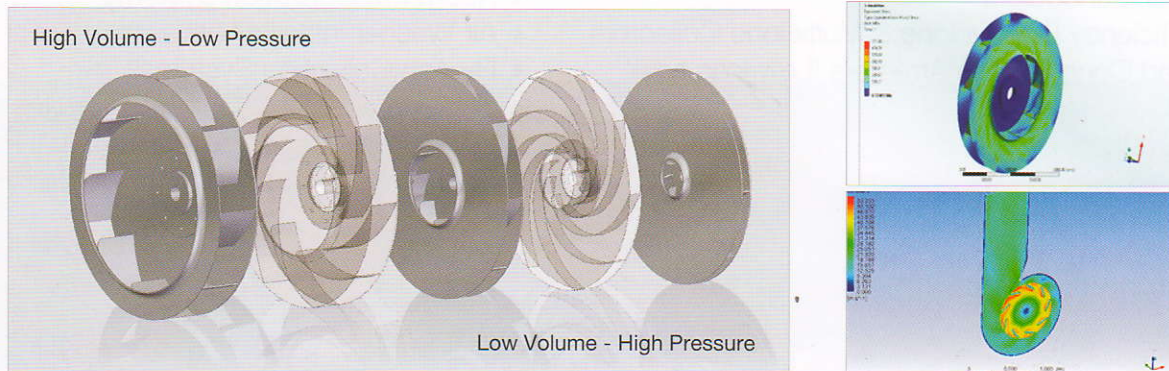


■ **SA Fan, Vietnam** (through TKIL)
36,000 m³/hour @ 720 mmWg
150 HP/4P
Year: 2015



NEW HIGH EFFICIENCY FANS SERIES (AEBC)

In 2014, we undertook development of a new high efficiency fan series. The aim of the project was to consolidate years of experience to create better fans and replace adhoc models with a standard series. The series was designed to include models to cover entire pressure-volume range required by our clients. Modern techniques such as FEA and CFD were utilized to optimize the fan designs.

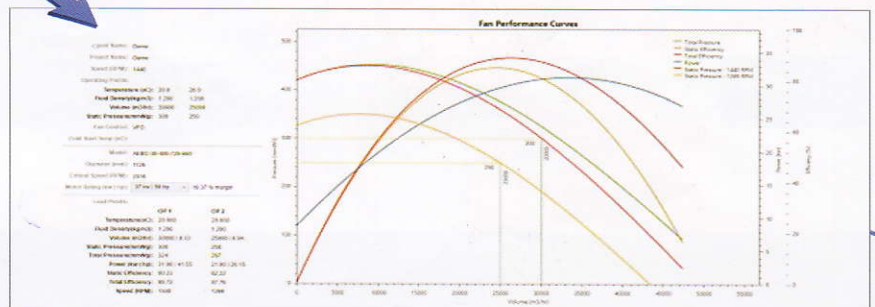


The outcome of this project is a development of new Aerochem Engineering Backward Curved (AEBC) fans series with models which are up to 92% efficient. A fan selection and design program was developed in parallel to enable users to select best efficiency fan for any given operating conditions. This design software is also capable of generating 3D model of the selected fan assembly and its subsequent analysis.

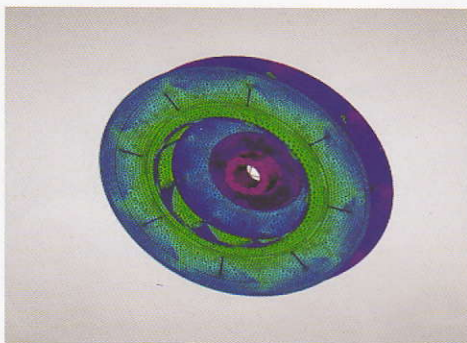
The 'Input Requirements' form contains the following fields and options:

- Client Name: [Text Field]
- Project Name: [Text Field]
- Speed (RPM): [Text Field] ☐ Velocity Range
- Operating Point: Temperature (°C): [Text Field]
- Fluid Density (kg/m³): [Text Field]
- Volume (m³/hr): [Text Field]
- Static Pressure (mmWG): [Text Field]
-
- CORW Design: ☐
- Cold Start Temp (°C): [Text Field] ☐ Leave empty if Cold Start is not required
- Fan Control: ☒ No Control ☐ VFD ☐ VVf Damper

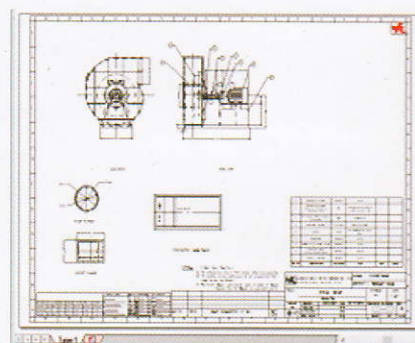
Input Requirements



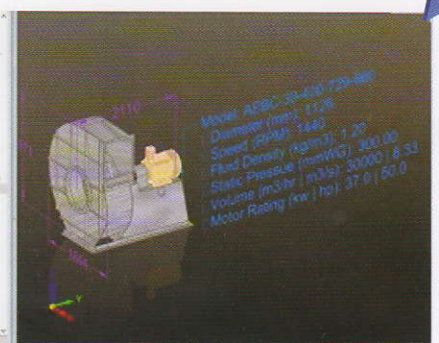
Review Performance



Analyze



Generate Drawing & Models



Fan Selection & Design Software



Products

- Induced & Forced Draft Fans for Boilers
- Centrifugal Ventilation Fans
- Centrifugal Blowers
- Multistage Centrifugal Blowers
- Axial Flow Fans
- Multistage Axial Flow Fans
- Industrial Mancoolers
- High Efficiency Dry Cyclone & Multiclone Collectors
- Louvered Cone Fly Ash Arresters (Low loss type)
- Pulse Air jet Bag Filters
- Gas Scrubbers
- Rotary Air Lock Valves
- Diverter Valves

Systems

- Dust Extraction Systems
- Dry Fog dust Suppression Systems
- Fume Control Systems
- Process Air Heating & Cooling Systems
- Pneumatic Conveying Systems
- Comfort Ventilation Systems
- Room Pressurization Systems
- Air Washer Installations
- Fly Ash Collection Systems
- Sugar Grader Dust Collection Systems
- Drying systems for food & chemical Products
- Silencers and Acoustic Enclosures

Clients



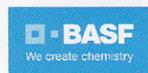
ThyssenKrupp 



JSW Steel



Honeywell



West Kenya Sugar

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