Custom-engineered solutions for virtually any application

www.multi-wing.net

MULTI-WING

The world's leading manufacturer of axial impellers

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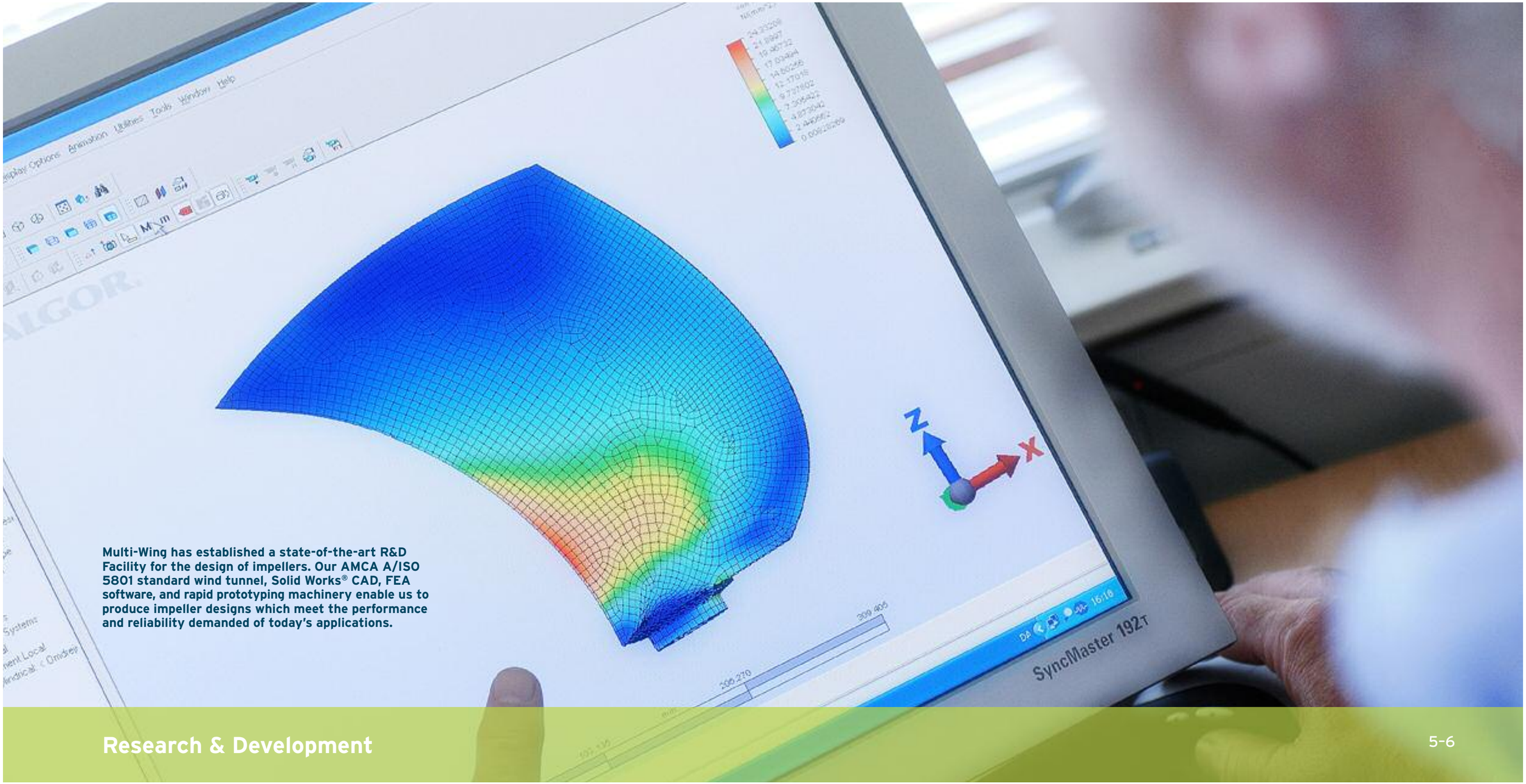
A handshake agreement between Ole Stig Andersen and Jim Crowley Sr. in 1972 was the start of a 35-year friendship and business relationship, and Multi-Wing America's initiation into the Multi-Wing family of companies. Under the leadership of Jim and Terese Crowley, the company has grown to be a leading supplier of axial fan blades in North America.

Today Multi-Wing America is a modern factory, with state-of-the-art production equipment, and a staff dedicated to providing Multi-Wing America customers the highest quality products, on-time delivery, and level of customer service unequaled in our industry.

From our Burton, Ohio facility just 30 miles east of Cleveland, we produce more than 500,000 fans per year to a diverse application base ranging from Engine Cooling and Radiators to Commercial Refrigeration, Industrial Ventilation, and a spectrum of HVAC applications.

Backed by two generations of innovation and grassroots experience in the industrial fan business, Multi-Wing America's engineering staff can customize an axial fan solution for virtually any air-moving application. Every impeller is custom designed for your specific application, and each one comes with a sales engineer dedicated to you.

Engineering Experts On Call



Multi-Wing has established a state-of-the-art R&D Facility for the design of impellers. Our AMCA A/ISO 5801 standard wind tunnel, Solid Works® CAD, FEA software, and rapid prototyping machinery enable us to produce impeller designs which meet the performance and reliability demanded of today's applications.

Research & Development

Our blade system is the perfect marriage of our custom-engineered fan selections and our in-house, precision-machined hub components. Machining, assembly, cutting and balancing are performed to tight tolerances under controlled conditions. The Multi-Wing System is based on assembling fans from standard interchangeable components.

High-strength, die-cast aluminum hubs are combined with high-efficiency blades of varying designs that are molded in engineered thermo plastics or die cast in aluminum to produce superior quality fans.

Precision Crafting

From the time each impeller component enters our facility to the moment each fan clears our final inspection process, our employees check every detail of every impeller we build for you. The Multi-Wing approach to building impellers is the perfect complement to the ISO Quality System. Our ISO 9001 Certification tells you that "quality" speaks to more than just the impellers we build: It defines every aspect of how we do business every day.

Incomparable Quality

Multi-Wing's custom-designed fan selections are generally available with lead times of less than two weeks, reducing your inventory requirements and carrying costs. And when our customers have an emergency, we often ship their fans the same day. You can't afford to have a machine down or an assembly line stopped while you're waiting for a part to arrive, and when you partner with Multi-Wing your solution is just a phone call away.

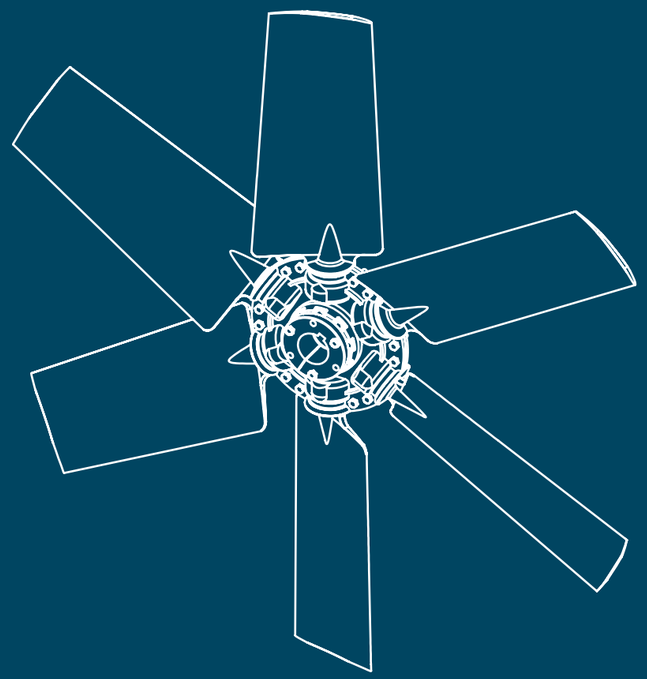
Short Lead Times

At Multi-Wing America you know that you're dealing with a superior product backed by generations of experience, our unsurpassed engineering staff, and a dedicated customer service department. Our staff is available to help you with any questions regarding your order and can provide complete support ranging from our Optimiser fan selection software to CAD drawings and 3D models. Multi-Wing customers also know they can rely on our knowledgeable, courteous customer service staff in handling all you replacement-part and order-tracking needs.

Unsurpassed Service

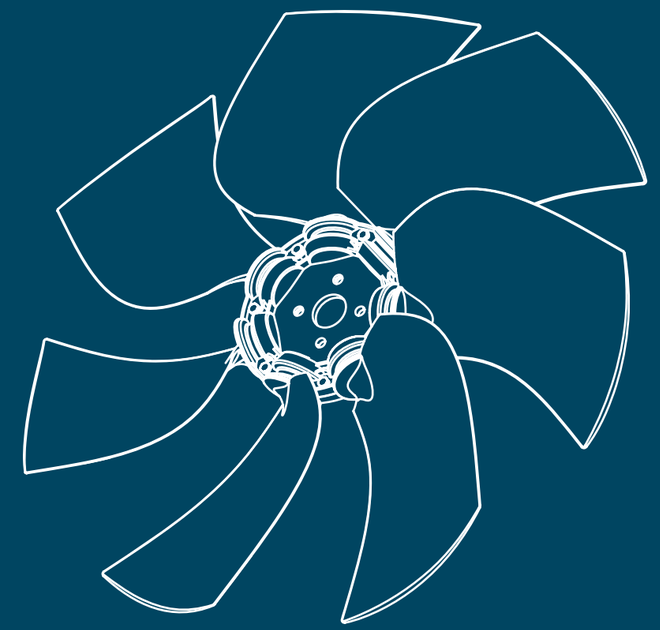
Multi-Wing axial fans may be found in a wide variety of engine cooling, radiator, refrigeration and HVAC applications, including generators, chillers, construction equipment, ventilation fans, cooling towers and inside the majestic sea windmill farm outside Copenhagen. Multi-Wing's international reach extends to 24 distributors worldwide from Europe to Australia, Asia, Africa and the Americas.

Limitless Applications



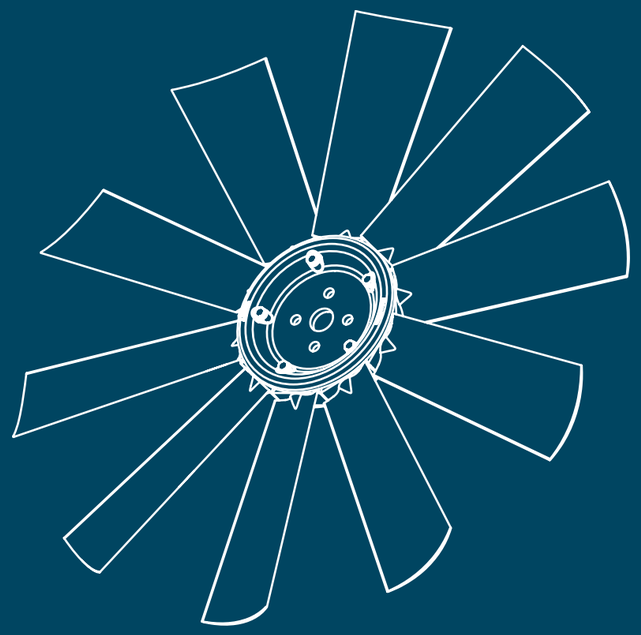
Airfoil Fans

Multi-Wing's airfoil profile provides uniform, high-volume airflow with low power consumption for optimum efficiency. The airfoil's twisted design reduces turbulence across the blade's surface, resulting in low-noise impellers. Our airfoil series is widely used in the ventilation and cooling industries along with engine cooling applications where requirements are more demanding.



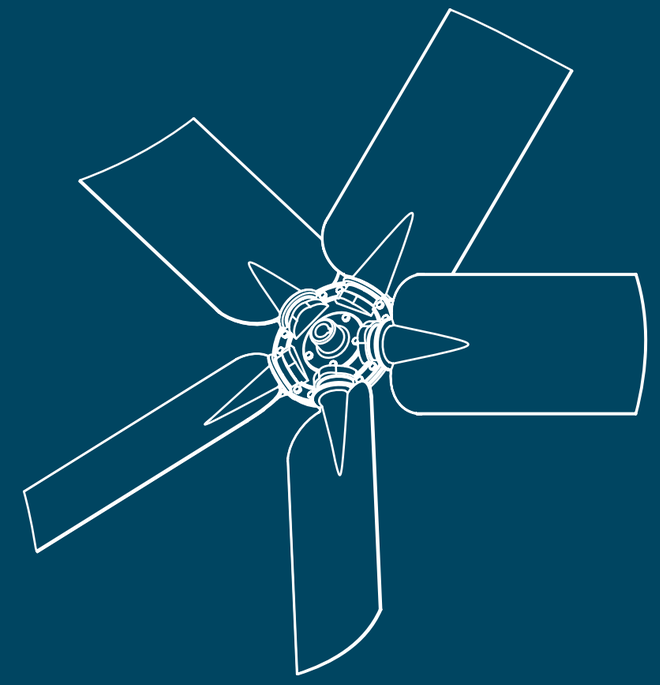
Sickle Fans

Our sickle profile blades' swept design reduces pure tones in the sound spectrum, and the blade's thin trailing edge reduces vortex shedding to generate low wake turbulence for significantly lower noise levels. The sickle profile is a natural selection for applications requiring low noise such as refrigeration, radiator/engine cooling, and compressors, generators and construction equipment.



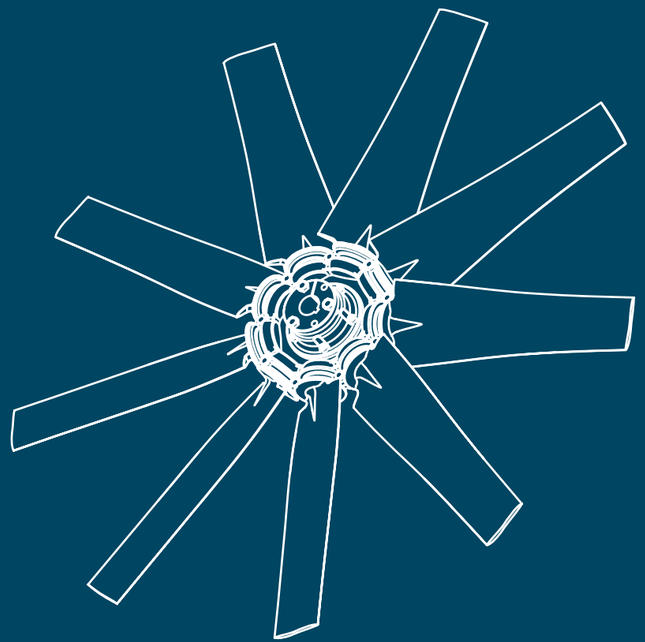
Increasing Arc Fans

The increasing arc series is the perfect solution for applications requiring high airflow and high static pressure, operating with inefficient inlet geometry – a sharp-edge inlet or large tip clearance – common in engine cooling applications. The increasing arc profile blades' broad tip area improves impeller performance in less than ideal conditions.



Broad Paddle Fans

The broad paddle profile produces higher pressure at low speeds due to its broad chord width. Lower operating speeds result in lower tip-speed generated noise. The broad paddle profile is ideal for coil applications such as oil coolers, air-cooled condensers and dry coolers.



Reversing Fans

The true reversible profile produces 100 percent airflow in both directions and is more efficient than standard reversible impellers. The result is a cost-effective, low-noise impeller solution. The true reversible blade produces impressive cooling performance in rugged industrial applications including wood-drying kilns, tunnel ventilation, and radiator applications involving heavy debris such as construction, agriculture and waste management.

We're Your Fan Guys

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