POLEN™

EFFICIENCY on THE MOVE™

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Polen™ Special Antique Aircraft Defines EFFICIENCY on THE MOVE™ For Manufacturing Engineers and Executives

Detroit, Michigan – May 1, 2007 - Manufacturing industry engineers and executives were treated today to the inspiring story of how one man, working in his garage with little more than hand tools, surplus components and a genius for innovation, built the world's fastest four-cylinder vehicle. (The Polen Special experimental aircraft). More remarkable yet, this world record holding aircraft, built more than three decades ago, remains undefeated in competition against much newer, state-of-the-art racers.

Dick Keyt, the current owner of the Polen™ Special and Vice President of Development at the Polen Company was a featured speaker at the Society of Manufacturing Engineers (SME) annual conference in Detroit, Michigan. His presentation, "**Efficiency on The Move**" outlined the Polen Special's evolution as an aviation legend and icon of aircraft efficiency and how advanced design and manufacturing technologies are helping put new muscle into the Specials' legendary performance.

The first phase of enhancements to improve the Special's legendary efficiency and performance are nearing completion. Key to these enhancements is the broad range of computer-based knowledge technologies available to every level of product designer and engineer.

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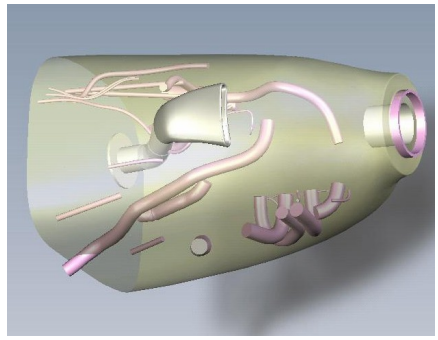
With no design or engineering drawings to work from, the Polen team relied on, 3D laser scans created with the Leica Tracker hand-held laser scan system and PolyWorks point cloud processing software from InnovMetric Corp. to help understand the subtleties of the Special's slippery shape. Computational Fluid Dynamic analysis helps the team understand exactly what makes Special so efficient and how to improve the remarkably intuitive original design.



The semi-transparent images of the engine cowl and internal components helped the team re-design the ducting that supplies air to the turbo-charger and oil cooler. Rapid prototyping allowed test fitting of the new parts before the final molds are made, saving considerable time and money.

The Polen Special is now gearing up for new race and record challenges. Additional updates to aerodynamic efficiency and performance are sure to rely on 3D scans, computer aided design and manufacturing, computational fluid dynamic analysis, digital dynamic stress testing and rapid prototyping to optimize the results.

The Polen team has begun work on the Stage3 – Advanced Efficiency replacement for the Polen Special. The new aircraft is designed to go farther, faster, more quietly, on less fuel while being more environmentally friendly than it's legendary older sibling. When the Polen Company says "**EFFICIENCY on THE MOVE,"** they mean it.

Polen™ is a research and development firm focused on efficient transportation solutions and helping private enterprise address today's complex energy and environmental issues. We are committed to extending the Polen Special legacy of efficiency and innovation into the 21st Century. For more information, please visit www.polen-co.com

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