Ex-champion race car designer now designs high-performance cars instead of driving them

When the fuel crisis caused his sponsor, Shell Oil, to pull its backing, Alan figured that since he couldn’t drive his cars anymore, he might as well start designing them.

Driven to succeed

Forty-two years ago, the Galmer Arbitrage GT was a radical design that debuted in the 1984 Detroit Auto Show. The car, designed and built by Alan Mertens at the request of his sponsor, was considered the world’s first hybrid racing car. It used a computer-generated image of the driver and the car to simulate the driving experience. However, the car failed to meet the expectations of its sponsors and never reached production.

Mostly a designer, Alan was pleased to see his unique chassis design. “The challenge, I suppose, is to design a race car that is both driver-friendly and cost-effective.”

The need for speed

Not only must the cars be fast, but they must also be safe. For instance, every car has two airbags, and theuego components are “separately engineered” to be lightweight and yet sturdy.

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Inventor is used in the automotive industry to simulate the dynamics of a car, and to analyze and optimize the car’s design. Autodesk Inventor Professional is an all-in-one, integrated, and powerful design system that enables you to create, test, and verify your designs.

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Technology of...must pass Autodesk product exams to verify their product knowledge. Solutions had to meet Autodesk’s stringent criteria: laboratories are Premier ATC, Advanced Manufacturing, Infrastructure, and General/ Platform. All are authorized to provide advanced training, including 3D rendering, simulation, and manufacturing. Autodesk’s Senior Account Manager for Advanced Solutions, Ben Luebbe, has been working with the Louisiana Tech University Corporate Training Center for nearly a decade and is currently a thousand organizations. Classes range from one to five days, with more instructors will be added in the future.

Sinclair Community College students “AIM” higher with help from Autodesk

In today’s computer-driven world, engineering graduates who are proficient in Autodesk tools have an immediate competitive advantage in the job market.

“AIM is a significant Community College (SCC) given its engineering students through the College’s Advanced Integrated Manufacturing (AIM) Center.”

Students will be able to design a product, or even a large system, and then see it in motion to determine if it works as they envisioned. “Students will be able to design a product, or even a large system, and then see it in motion to determine if it works as they envisioned.”

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SCC students intern for Advanced Solutions clients

In one project funded by the National Science Foundation, Singh and the Department of Industrial engineering at Louisiana Tech are using real-time prototyping equipment and collaboration communications tools. As part of this, Singh, participating, uses Production – Autodesk’s engineering change orders (ECO) solution – to make design changes. She adds: “We have arranged cooperative programs in which SCC students are given design internships with the company’s software in Ohio. “We have arranged cooperative programs in which SCC students are given design internships with the company’s software in Ohio.”

According to Brian Chamberlin, Senior Account Manager for Advanced Solutions, SCC also has an education grant from Autodesk to provide access to the latest technology and tools. “We have arranged cooperative programs in which SCC students are given design internships with the company’s software in Ohio.”

New Dayton training center

Through a cooperative agreement, Advanced Solutions now conducts classes and free workshops for their commercial clients in the Dayton area. The upcoming training schedule can be found at www.advancedsolutionsonline.com.

SCC also participates in Project Lvl’d, the national program that teaches manufacturing through high school education programs. Ten at-risk 9th-grade girls have already been trained in SCC’s machining and tooling programs. “New You can find out more about AutoCAD online by visiting www.AutoCAD.com or by calling 1-877-GET-ASI-1.”

The Autodesk Manufacturing Community

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The Autodesk Authorized Training Centers are a network of over 3,000 training facilities in nearly every country. These facilities offer an extensive line of Autodesk-authorized courses, including autocad, AutoCAD LT, AutoCAD Civil 3D, AutoCAD Map 3D, AutoCAD Architecture, AutoCAD MEP, AutoCAD Electrical, AutoCAD Mechanical, and AutoCAD Architecture. The Advanced Solutions ATCs are located in Louisville, Cincinnati, Columbus, Lexington, Fort Wayne, Indianapolis, Evansville, and Palm Beach, FL.

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Advanced Solutions offers premier professional training to over a thousand organizations. A list of current courses is available online at www.advancedsolutionsonline.com/training.jsp. For details on Advanced Solutions training classes, call toll-free 1-877-GET-ASI-1 or go to www.advancedsolutionsonline.com/training.jsp.

Advanced Solutions is a leading Autodesk Value Added Reseller (VAR) and authorized training provider. The company is the largest Autodesk ATC for the state of Ohio. Advanced Solutions is a Premier ATC and a Premier Value Added Reseller (VAR) for the state of Ohio. Advanced Solutions is a Premier ATC and a Premier Value Added Reseller (VAR) for the state of Ohio.

As part of its expanded services, Advanced Solutions is now offering Autodesk-approved courses as part of its expanded services. Advanced Solutions is a Premier ATC and a Premier Value Added Reseller (VAR) for the state of Ohio.

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