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Tesla Motors selects DCS Tolerance Analysis Solution in Mission to be First in Quality

TROY, Mich., Aug. 17, 2010 -- Dimensional Control Systems, Inc. (DCS), provider of dimensional engineering software solutions and consulting services, today announced that Tesla Motors has selected 1DCS and 3DCS solutions to provide tolerance analysis as part of the company's commitment to lead the automotive industry in quality with the development of the Model S.

Tesla, the electric vehicle manufacturer based in Palo Alto, California, launched 1DCS and 3DCS in late spring. Tesla's design engineers are using 1DCS in the earliest stages of product development to explore hypothetical designs for rapid evaluation and iteration throughout development of the Model S. 3DCS will provide the tools to run precise tolerance analyses of the Model S design and the associated manufacturing process using the Functional Tolerancing and Analysis (FTA) process in CATIA.

"We are pushing the automotive and engineering limits at Tesla in our development of the Model S," said Tesla Motors Dimensional Engineering Manager Steve Bannasch. "To ensure our cars are first in quality, we must be the very best in fit and finish. DCS allows us to achieve our goals without adding unnecessary cost."

"Their solution is completely integrated with CATIA and provides the most flexibility of design," continued Bannasch. "The DCS team has clearly taken the time to research the differences between rigid and flexible materials and the impact they have on tolerances."

"With 3DCS, engineers view exactly how assemblies fit together and they optimize tolerances to better achieve their quality targets," said DCS Chief Operations Officer John Mathieson. "We are pleased that Tesla has partnered with DCS in our mutual commitment to quality by using our software so early in their design process. This is the most effective way to ensure Tesla vehicles will be the very best in the industry."

About Dimensional Control Systems

Dimensional Control Systems Inc. (DCS) is a world-class experienced provider of dimensional engineering software solutions and consulting services. Established in 1994, DCS is a privately held company with partners and customers around the world. Leading organizations like Airbus, BMW, Boeing, Chrysler, Daimler AG, Embraer, General Motors, Herman Miller, IBM, Lockheed Martin, Volkswagen, and many major tier-one and tier-two suppliers use DCS solutions to optimize product design and manufacturing processes, improve quality, and reduce program cost and timing. DCS's 3D tolerance analysis and quality assurance software applications fully support the entire product quality lifecycle.

For more information, see www.3dcs.com.

About Tesla Motors

Tesla's goal is to produce increasingly affordable electric cars to mainstream buyers – relentlessly driving down the cost of EVs. Palo Alto, California-based Tesla has delivered more than 1,200 Roadsters to customers in North America, Europe and Asia. Tesla designs, develops, manufactures and sells EVs and EV powertrain components. The Tesla Roadster accelerates faster than most sports cars yet produces no emissions.