Case Study: System Architecture

System Architecture: JLG 1500SJ Ultra Boom

JLG took its aerial lift to new heights with the help of John Deere Electronic Solutions.

The JLG 1500SJ Ultra Boom is the largest self-propelled telescopic boom available – able to stretch an amazing 150 feet in the air and lift 1,000 pounds of material. It features five electronic modules – with customized software – designed and manufactured by John Deere Electronic Solutions. People at construction sites, gas processing facilities, steel mills, convention centers, and shipyards depend on the Ultra Boom's height to accomplish their most demanding tasks.

John Deere Electronic Solutions experienced product development team collaborated with JLG to expand the vehicle's features and provide better controls. As a result, JLG was able to develop a functional system faster. JLG could also focus on feature functionality through software, rather than developing more costly hardware.

John Deere Electronic Solutions rugged electronic modules are perfect matches for JLG's need for robustness. Aerial lifts are left outside, exposed to the elements, day in and day out. The durability of these electronic modules helps them stand out in the field and stand up to nature.

The remarkable features of this aerial life haven't gone unnoticed. Popular Science named the 1500SJ Ultra Boom to its "Best of What's New 2011" list.

John Deere Electronic Solutions
1441 44th Street North
Fargo, ND 58102 USA
Phone: +1 (701) 451-3600
ElectronicSolutions@JohnDeere.com