**AgGateway Case Studies**  
**John Deere Creates ADAPT Plugin for Ease of Interoperability in Field Operations**

**Background**
Deere & Company, based in Moline, Ill., is a global manufacturer of farm equipment and precision ag technology, providing agriculture solutions across the world.

**Challenges**
Different brands of farm equipment and software currently collect and consume data in a variety of proprietary file formats for field operations such as planting, crop protection and harvesting. While this is a natural consequence of how the industry has grown, it sometimes makes it hard for growers and their advisors to “connect the dots” and extract value from the data.

John Deere recently released a new display product family that required data translation to become more broadly adopted. Moreover, customers expressed the need to use John Deere technology solutions with the software solutions of their choosing.

**Solution**
John Deere leveraged AgGateway’s ADAPT framework to provide a common translation process to read data from its precision ag technology. AgGateway’s ADAPT (Agricultural Data Application Programming Toolkit) is an open source solution available to the industry, which was created to enhance the use of precision ag technologies by enabling interoperability between different software and hardware applications. (See [www.AdaptFramework.org](http://www.AdaptFramework.org) or [www.AgGateway.org](http://www.AgGateway.org)).

AgIntegrated, a global partner in providing integration technologies and services, was quick to utilize the John Deere Plugin for ADAPT. It used the plugin to translate the manufacturer’s proprietary data formats to the ADAPT framework, which worked with its existing suite of value-added software products.

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About AgGateway
AgGateway is a non-profit organization dedicated to the expanded use of information to maximize efficiency and productivity, promoting and enabling the industry's transition to digital agriculture. www.AgGateway.org

"The ADAPT framework provided a forum and process for companies to collaborate on a single extendable data format that meets the needs for data interoperability."
- Randy Kasparbauer,
  John Deere Software Engineering Manager

"ADAPT and John Deere’s ADAPT plugin enabled us to rapidly meet our clients’ data translation needs for John Deere displays."
- Mike Santostefano,
  AgIntegrated VP of Business Development

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