

Workshop Farm Management Information-Systems

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Agenda

- 1 | Cloud solution to access Data**
- 2 | JDLink – Enabling Technology**
- 3 | Interfaces & Compatibility**
- 4 | Summary & Outlook**



Cloud solution to access Data

John Deere Operations Center



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Operations Center

- One single login
- Visualition of agronomic and machine data
- Live connection to machine
- Mobile and web
- Global availability in 58 countries

A screenshot of the John Deere MyJohnDeere login page. The page has a white background with a yellow border on the left and right sides. The background image shows a sunset over a field. The main content area is a white box with a yellow border. The title "Sign in to MyJohnDeere" is centered at the top. Below the title are two input fields: "Username" and "Password". Each field has a blue border and a small vertical line on the left. Below the "Username" field is a link "Forgot username?". Below the "Password" field is a link "Forgot password?". Below the input fields is a yellow button labeled "SIGN IN" and a checkbox labeled "Remember Me". Below the button and checkbox is a link "Not registered? Create New Account". At the bottom of the white box, there are two links: "Help Signing In ?" and "Notifications (0)". Below the white box, there is a footer section with a yellow button labeled "MAKE A ONE-TIME PAYME" and text: "Make a one-time payment to your John Deere Financial account To see your billing history or to enroll in automatic p".

Sign in to MyJohnDeere

Username
|

▶ [Forgot username?](#)

Password
|

▶ [Forgot password?](#)

SIGN IN ☐ Remember Me

Not registered? [Create New Account](#)

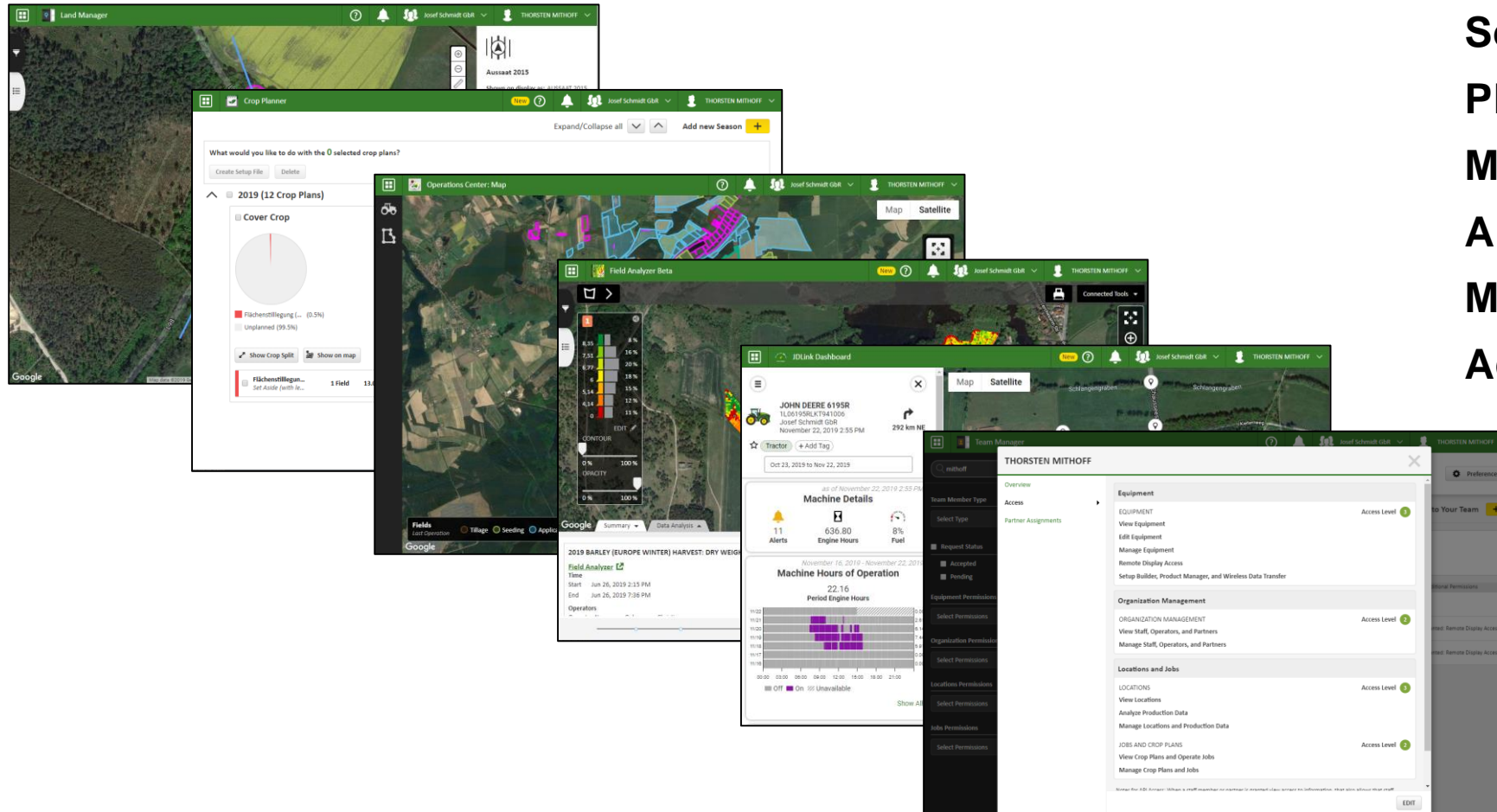
▶ [Help Signing In ?](#) ▶ [Notifications \(0\)](#)

Your use of this site is governed by our [Terms of Use](#)

MAKE A ONE-TIME PAYME

Make a one-time payment to your John Deere Financial account
To see your billing history or to enroll in automatic p

Overview of basic functionalities



Setup
Planning
Monitoring
Analysis
Machine Data
Access Management

JDLink – Enabling Technology

John Deere Telematics System



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JDLink – Enabling Technology

- Telematics Gateway to transfer data between cloud and machine (4G LTE)
- Captures machine data
- Captures agronomic data from display including implement data
- Enables data streaming

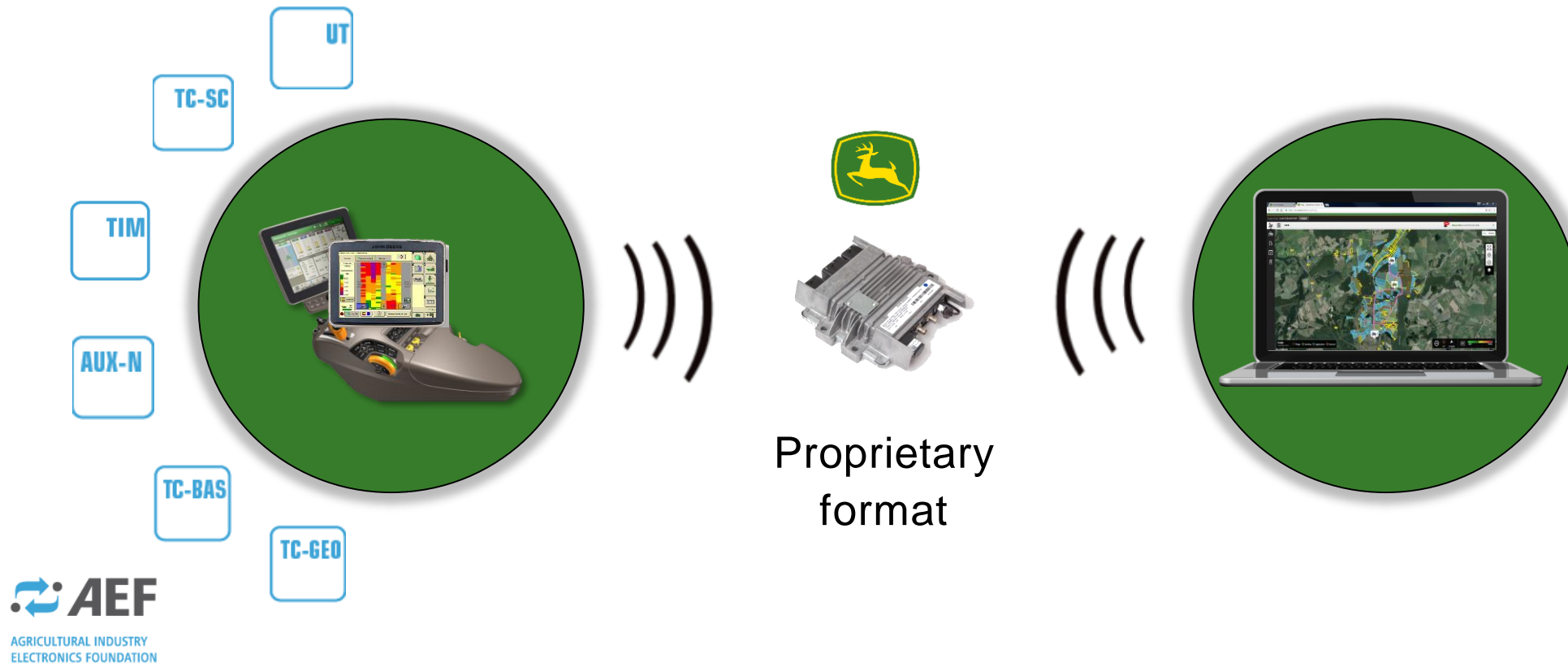


JDLink – Enabling Technology

- Enables live connection
 - Remote Display Access
 - Adjustment of machine settings
 - Service packages from dealers
 - Real-time data
- Retrofit for non-Deere machines



Connection between machine and Operations Center



Interfaces & Compatibility



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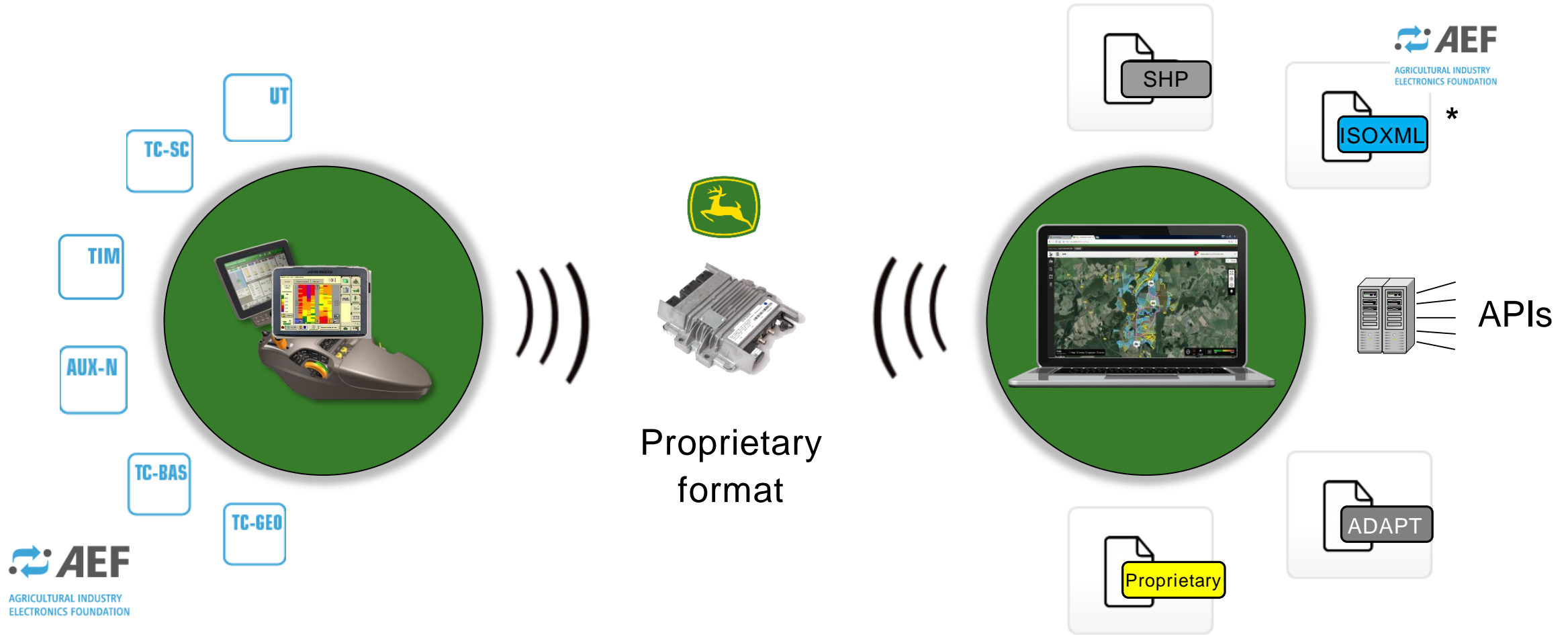
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Importance of open architecture approach

- Farmers do not farm alone
- 140 decisions in growing season
- Mixed fleets
- Different tools to manage complexity require several tools



Compatibility of Operations Center



* in development

Partner Application to add functionalities

- API based data exchange (property format) – public APIs
- ADAPT interface
- Connected web applications
- Consistent data across systems

JOHN DEERE OPERATIONS CENTER - MORE TOOLS

Tools to Enhance your Operations Center Experience



Ag-Analytics®

Categories: Weather/Environmental Insights, Crop Management, Risk Management, Financial, Farm Management, Remote Imagery, Data Analytics, Crop Scouting, Water Management

Ag-Analytics® allows producers to integrate their precision data with soil, weather & satellite data, and advanced models allow users to understand their data and make better-informed decisions.

[Details >>](#)

[MORE INFORMATION](#)



Agremo™

Categories: Crop Monitoring, Risk Management

Create spraying Agremo smart plants and get

[Details >>](#)



AgriTask Agronomic Management Platform

Categories: Crop Management, Weather/Environmental Insights, Risk Management, Financial, Asset Monitoring, Farm Management, Remote Imagery, Data Analytics, Crop Scouting, Water Management

Data-driven decision support platform for end-to-end agronomic management, driving sustainable yield increase and cost saving for ag-businesses

[Details >>](#)

[MORE INFORMATION](#)



Cloudfarm

Categories: Crop Management, Analytics, Crop

By connecting our platform. Cloudfarm the data such as the fields and ana and mobile ap

[Details >>](#)



CropSAT

Categories: Remote Imagery, Prescription Creation

Map your crop from satellites

[Details >>](#)

[MORE INFORMATION](#)



Delair.ai

Categories: Precision Analytics, Crop

The Delair Aer process, view, Scalable. Conn

[Details >>](#)

Deere has built the industry leading digital ecosystem

> 130 connected software tools



John Deere APIs


- Description of available APIs
- Contact data
- John Deere experts test data exchange and provide a “API-License Agreement”



START DEVELOPING DOCUMENTATION ▼ HELP ▼

DEVELOP WITH DEERE

John Deere APIs enable your ag and construction industry software to securely access the robust data from John Deere machines, mobile applications, and more.



Have questions or comments?

CONTACT US

Integrate with John Deere Operations

Construct
Get Machine

DataConnect

- API based initiative for cloud-2-cloud data exchange
- Data pushing mechanism
- Today: machine data
- Future: agronomic data



Summary & Outlook



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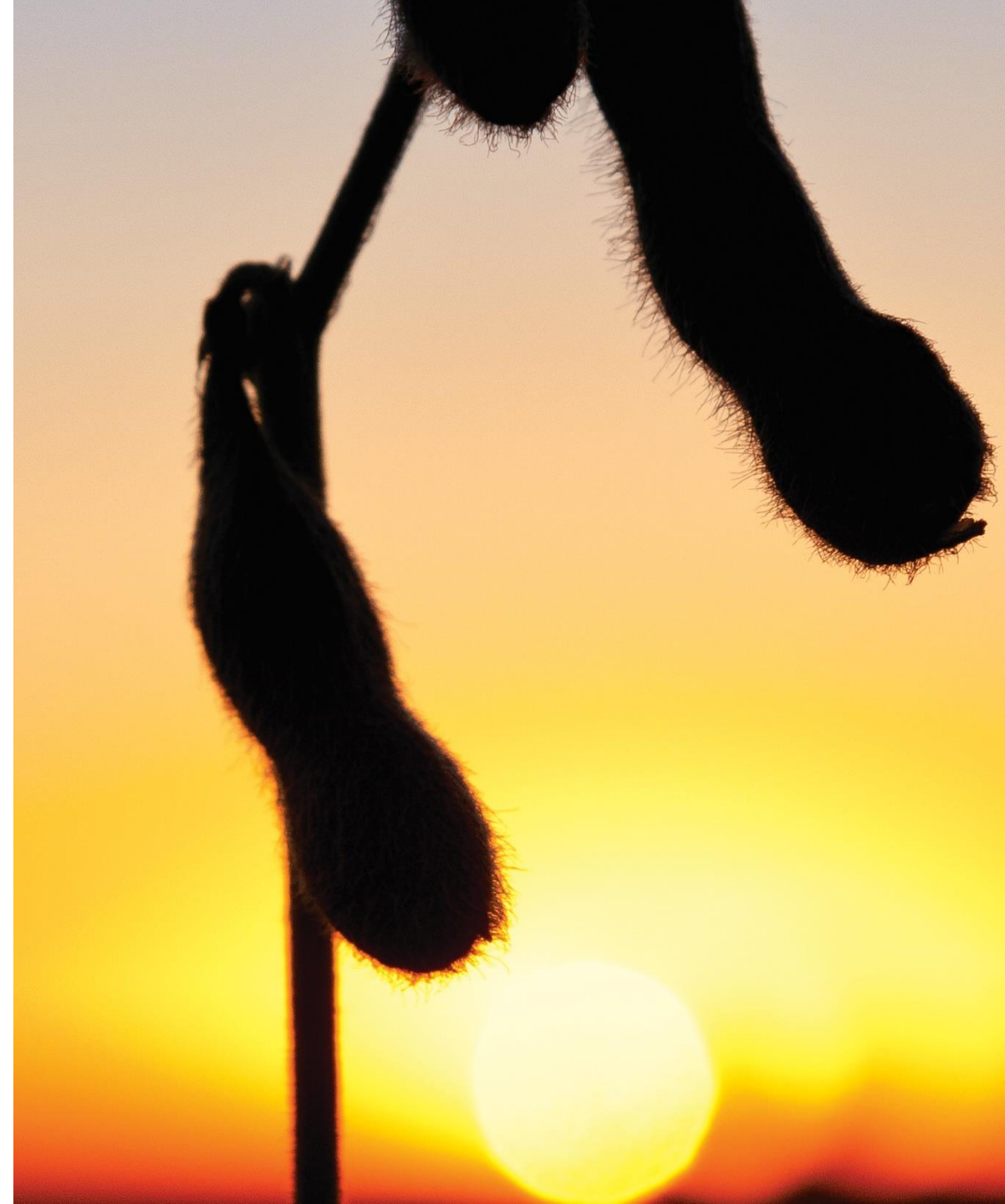
Outlook

- DataConnect: scope expansion through AEF and EU-ATLAS research project towards an open standard
- Compatibility of further display data formats including converting function
- Develop with Deere Conference beginning of December in Mannheim



Summary

- Cloud based solution
- Operations Center offers basic functionalities
- > 130 connected software tools to extent to solution portfolio
- Open to import/export and process several display data formats



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