## Farm machine data & DataConnect How JohnDeere organizes farm data and data sharing

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Manager Technology Innovation Strategy



NOTHING RUNS LIKE A DEERE



# John Deere at a glance 2021

- Headquarters: Moline,Illinois, United States
- -Employees worldwide: 69,600
- Total net sales and revenues:\$44,024 billion US
- -Net income: \$5,963 billion US



#### Portfolio

- Agricultural Equipment
- Construction Equipment
- Turf Equipment
- Forestry Equipment
- Financial Services
- Power Systems
- Intelligent Solutions
- Worldwide Parts Services





## Machine capacity doesn't stop at field boundaries

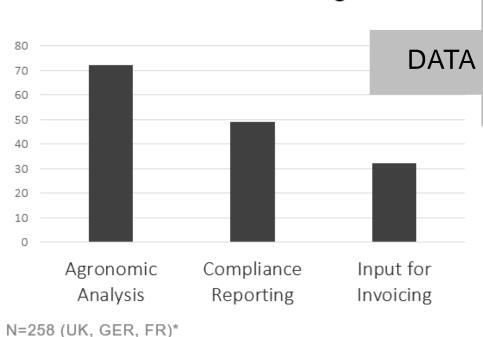
Top 3 reasons

for data recording

FIELD

OFFICE ANYWHERE / ANYTIME



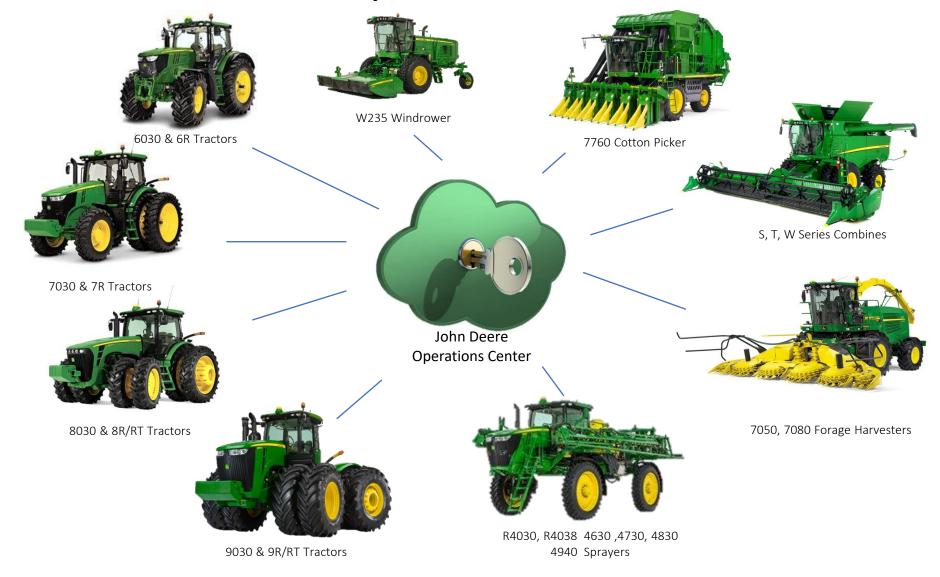




\* EMR study on technology adoption, 2020



## **Cloud-based Connectivity**

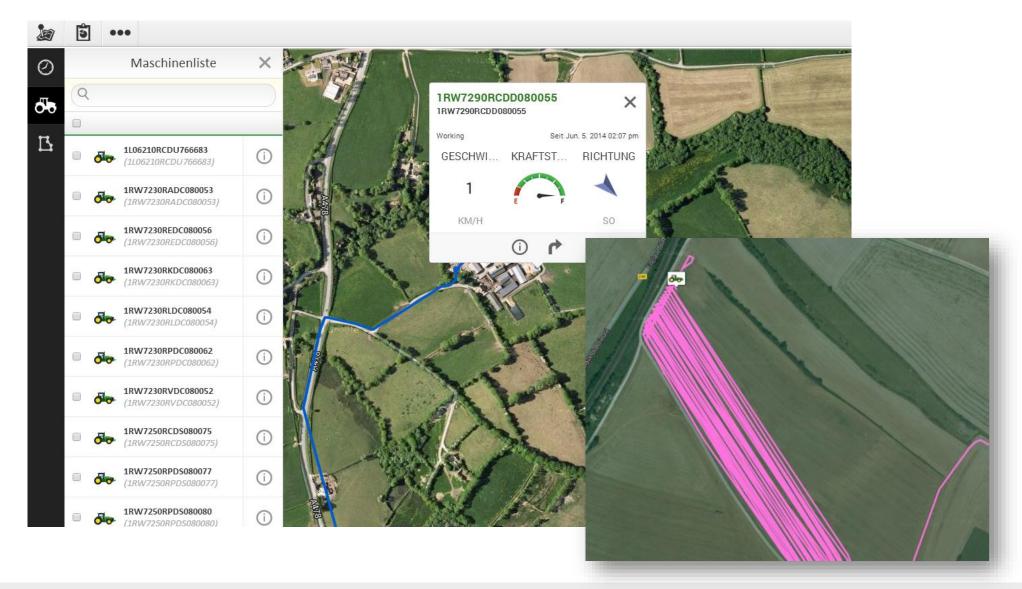


## MyJD Operations Center





## MyJD Operations Center - My Machines

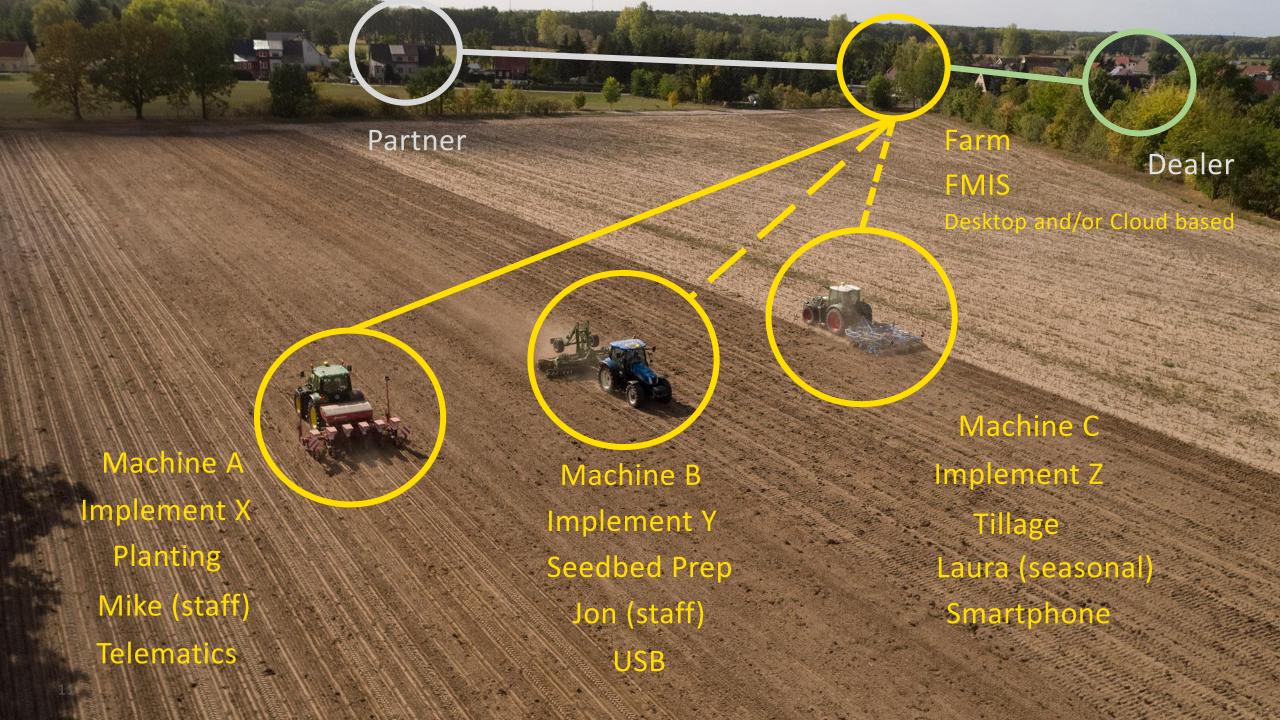




## MyJD Operations Center - Field Analyzer

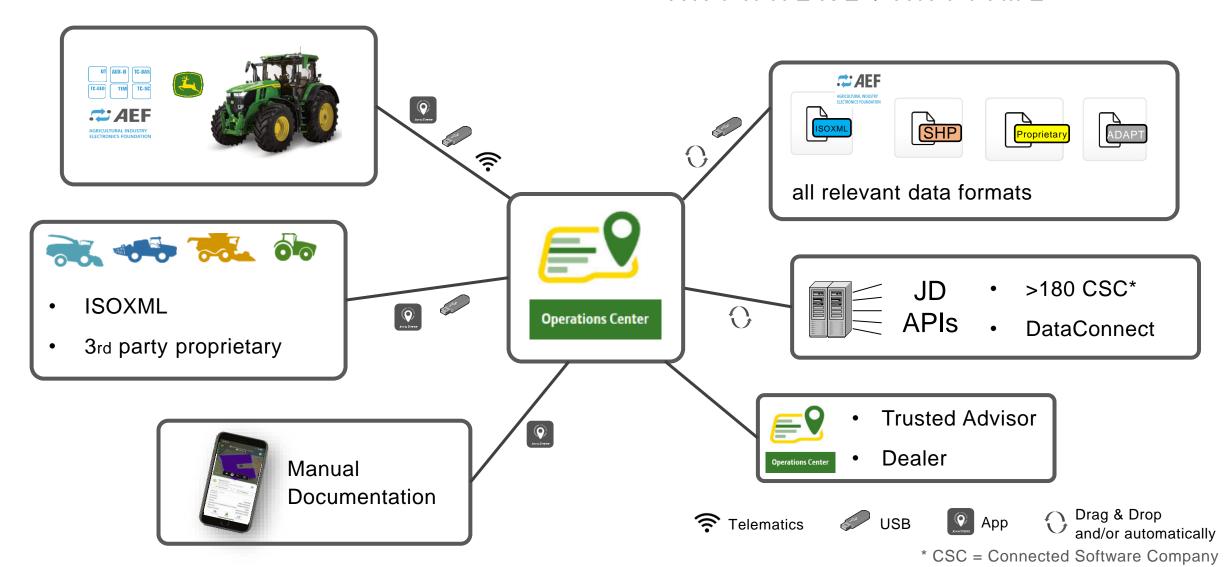






#### FIELD

#### OFFICE ANYWHERE / ANYTIME

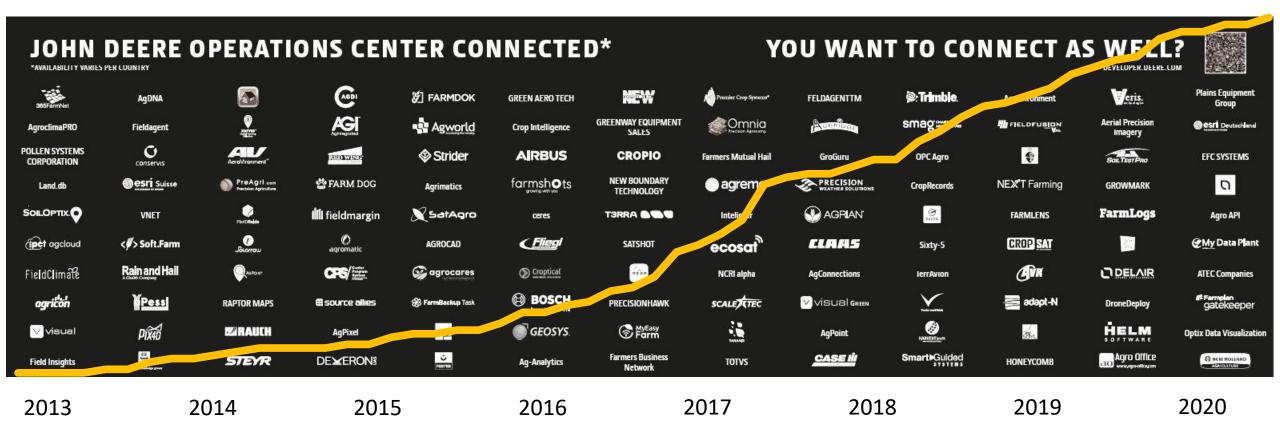




### **OPEN** ecosystem

John Deere Operations Center Connected

> 180 connected software companies



#### OPEN ecosystem

#### DataConnect

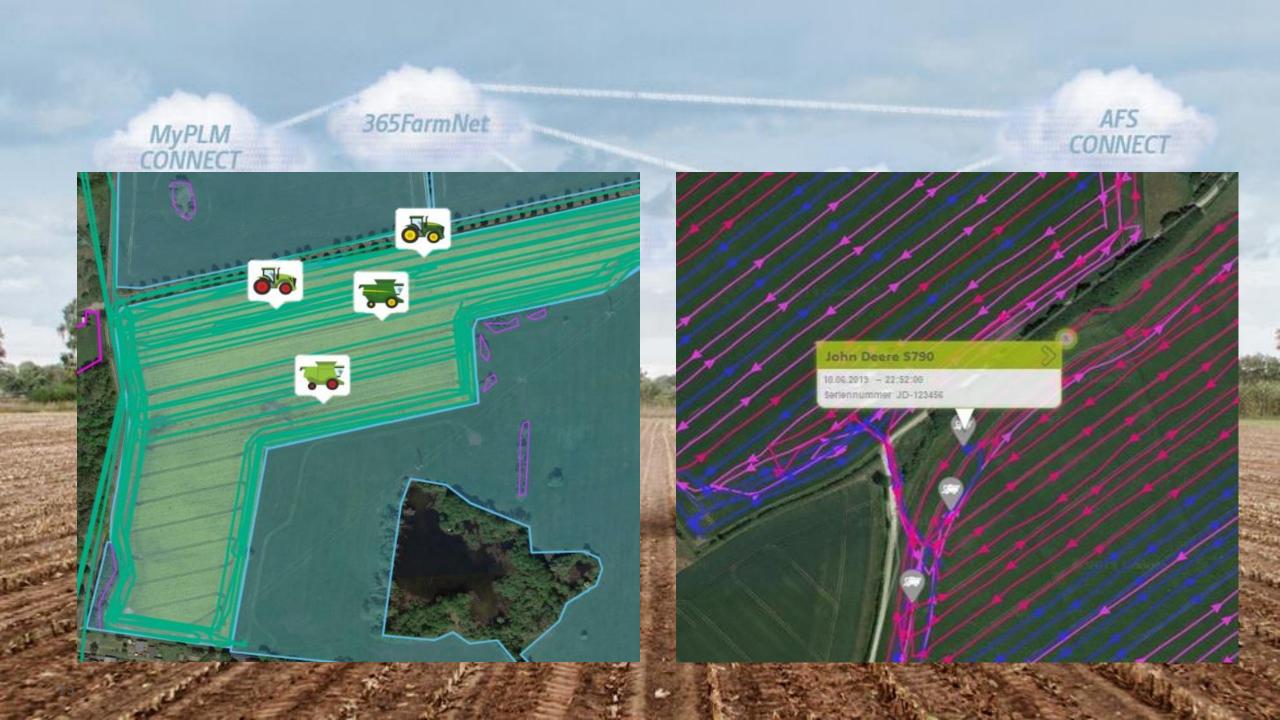
Cloud-to-Cloud communication

#### Data:

- **Current Location**
- Location history Fuel level
- Speed
- Engine on/off
- Near-real-time data exchange
- No data losses
- Use of preferred data platform
- Backwards compatible



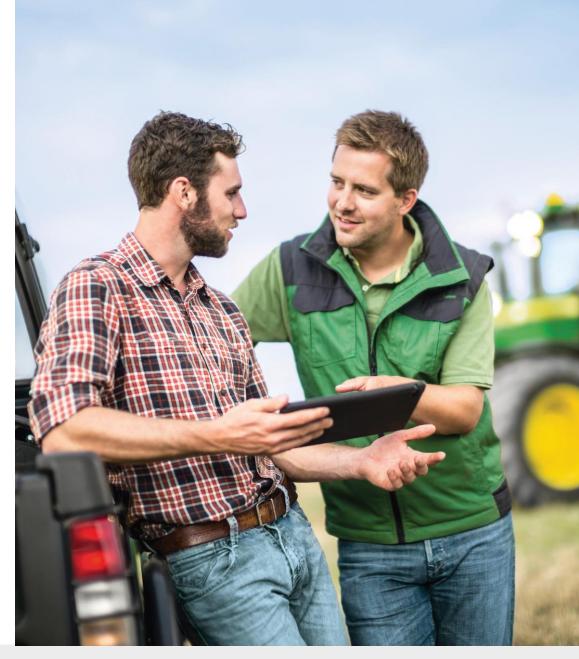




#### **LOCAL**

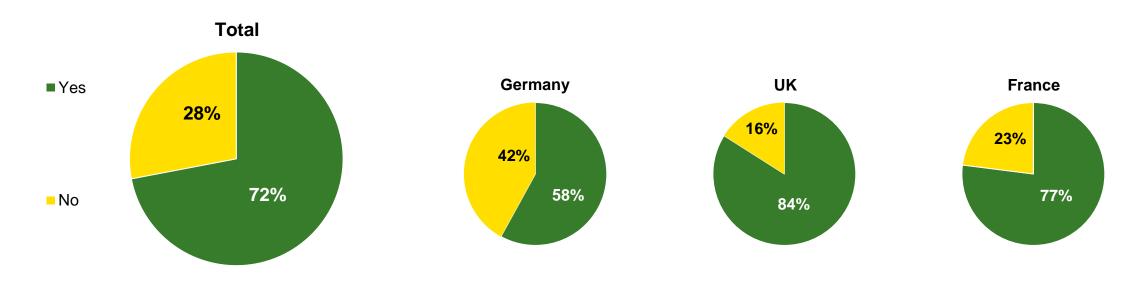
#### Your local John Deere dealer

- John Deere dealer expertise in
  - Sales (value)
  - Service & Setup
  - Trouble Shooting to provide Uptime
- Is located close by the customer
- Enbles Remote Services and Diagnostics





#### **SAFE**



#### Reasons to not trust cloud service security:

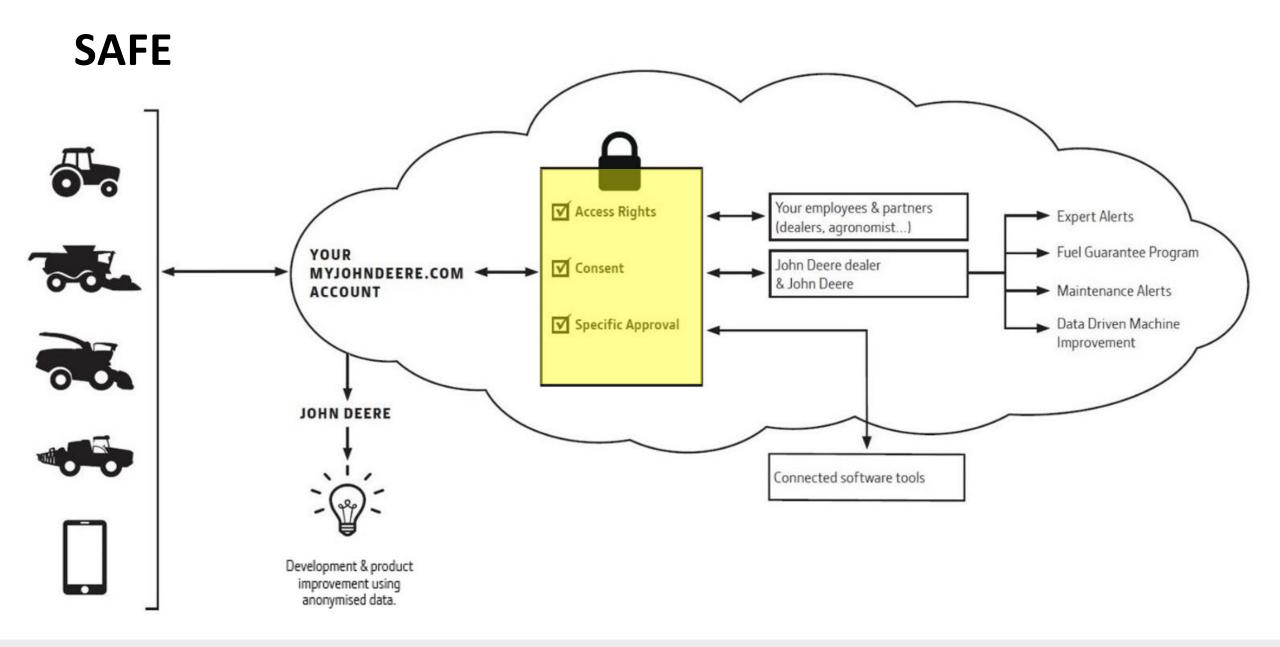
- Access to cloud data is not exclusive to me
- The services can be hacked / data can be exposed
- Third parties or other companies could gain access the data

Total	164
Germany	64
UK	45
France	48
Spain	7

N=328 internal study, 2019

"Finally, thinking about the security of your operation's data, do you consider cloud services to be a secure place for your data? If no, please explain why not?"





#### **SAFE**

- Full control who has access to the data
- Granted access rights can be revoked at any time
- Data is effectively protected against data-loss and theft

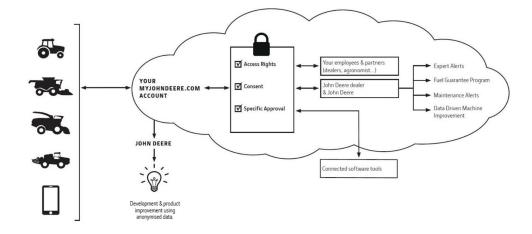




## How Data Sharing benefits YOU

Using Data to Improve productivity

- Increasing Uptime Expert Alerts
- Improving Machine Optimization Remote Display Access
- Remote Machine Diagnostics
  Service Advisor Remote









Thank you!