The Role of IoT Application Software in the Agriculture IoT Ecosystem
Connected Farming Solutions

- Weather Stations
- Soil Moisture
- Barn Environmentals
- Irrigation
- Bin & Tank Monitoring
- Nurse Wagons
Internet of Things Ecosystem -- Solution Components

- Install & Support
- Software
- Network
- Hardware
Internet of Things – Growth Barriers

Install & Support

Software

Network

Hardware

Barriers To Growth In IoT

- Security: 65%
- Cost To Deploy: 48%
- Interoperability: 46%
- Lack People With Expertise: 41%
- Can't Prove the ROI: 32%
- Hardware Integration: 32%
- Cost To Maintain: 29%
- Securing Funding: 28%
- Network Connectivity: 27%
- Scaling: 27%
- Data Analytics: 22%
- Management Buy-In: 20%
- Maintenance: 15%
- Data Collection & Storage: 15%
- Billing: 12%
- Other: 6%

James Brehm & Associates, 2017
Internet of Things -- Keys to Success

Security
- Install & Support
- Software
- Network
- Hardware

TCO based ROI
- Awesome
- Extremely Easy
- Seamless
- Plug & Play

Keys to Success
Internet of Things – Application Software Functions

Sensors

Gateway

Data Cloud

API

3rd Party and Custom Applications

Application Software Functions
Sensors

Gateway

Data Cloud

Connect Sensors and Equipment

Store & Analyze Data

See Your World

Connect People

Connect Applications

API

3rd Party and Custom Applications

Data Security

Internet of Things – Application Software Functions
Internet of Things – Application Software Trends

“Responsive web” user interfaces

Smart phone becoming device of choice

Hosted application services (Software as a Service)

 Seamlessly connect multiple cloud services
Internet of Things – Opportunities

Growers

• Right resources to right place at right time

Equipment OEMs

• “Smart equipment”

Solution Providers

• New value-add services for growers
About New Boundary Technologies

New Boundary Technologies® has been pioneering innovative Internet of Things (IoT) and Machine-to-Machine (M2M) applications since 1985.

The RemoteAware™ IoT application service provides private label branded applications for Fortune 500 companies, equipment OEMs & distributors, and system integrators.

RemoteAware applications are provided as a hosted service so customers do not need IT resources. A rich set of out-of-the-box capabilities deliver ready-made applications with no software development required.
Contacts

New Boundary Technologies
10 2nd St NE #107
Minneapolis, MN 55413
(612) 379-3805

www.newboundary.com
www.remoteaware.com

Jim Rhoda
VP International & Channel Sales
612.619.9326
jrhoda@newboundary.com

Kim Pearson
CEO
612.233-0108
kpearson@newboundary.com